



Daffodil
International
University

PROGRAM OF STUDY

BSc (Hons) in Computing and Information System (CIS)

COURSE CODE: CIS 499

Summer 2020

TITLE OF THE PROJECT:

Kids Toy Store

Submitted By

Md. Abu Sayeed

ID: 191-16-426

Supervised By

Mr.Md. Rafiqul Huq Rafi

Adjunct Lecturer

Department of CIS

Daffodil International University

Submission Date: 04.11.2020

APPROVAL

This Project titled “**Kids Toy Store**”, Submitted by **Md. Abu Sayeed** ID No: **191-16-426** to the Department of Computing & Information Systems, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computing & Information Systems and approved as to its style and contents. The presentation has been held on 19-07-2020.

BOARD OF EXAMINERS



Mr. Md Sarwar Hossain Mollah

Chairman

Assistant Professor and Head

Department of Computing & Information Systems

Faculty of Science & Information Technology

Daffodil International University



Ms. Nayeema Rahman

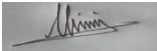
Internal Examiner Sr.

Lecturer

Department of Computing & Information Systems

Faculty of Science & Information Technology

Daffodil International University



Mr. Minhaj Hosen

Internal Examiner

Lecturer

Department of Computing & Information Systems

Faculty of Science & Information Technology

Daffodil International University



Dr. Saifuddin Md. Tareeq

External Examiner

Professor

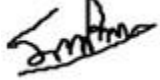
Department of Computer Science and Engineering

Dhaka University, Dhaka

DECLARATION

I hereby declare that, this project has been done by me under the supervisor **Md. Rafiqul Huq Rafi**, Lecturer of CIS of Daffodil International University. It also declared that neither this project nor any part of there has been submitted anywhere else for the reward of any degree, diploma or other qualifications

Supervised By



Md. Rafiqul Huq Rafi

Lecturer

Department of Computing & Information Systems

Faculty of Science & Information Technology

Daffodil International University

Submitted By



Md. Abu Sayeed

ID: 191-16-426

Department of Computing & Information Systems

Daffodil International University

Acknowledgement:

At the very outset of my writing, I am thankful to the Allah who created me and gave me the strength of patience that helped me get the project done. Now, I would like to thanks that special person who gives me assistance and proper suggestion to complete this project is respected teacher and project supervisor Mr.Md.Rafiqul Huq Rafi sir. At last, I also would like to thanks to my friend & family for giving me encouragement and inspiration to successfully complete my project.

Dedication:

***Dedicated
To
My Beloved Parents
And
Friends***

Executive summary

This report describes about Kids Toy Store web application in Bangladesh. Main objective of this project is to supply best toys to the customer within limited and reasonable price. People from different places can buy toys for their children from this online platform. Customers can search any toys they want. If it is available then they can add it to the cart. If any customer wants to checkout any product from this system, they have to get registered as a customer for giving payment details to purchase any product. After doing this, a customer can see their order status as pending. If any order has done then admin will check it and assign a staff for delivery the product. Then staff will check any product delivery order has processed or not. If any order has come then he will confirm it. After that customer will see their order status as completed.

Table of Contents:

Chapter 1 – Introduction	1
Chapter 2 – Initial Study.....	1
2.1.1 Overview of the Project.....	1

2.1.2 Defined Goals/Objectives of the Project:	2
2.2 Background of the project	3
2.3 Problem Area	4
2.4 Possible Solution.....	4
Chapter 3 – Literature Review	5
3.1 Discussion on problem domain	5
3.2 Discussion on problem solutions based on published articles	5
3.3 Comparison of three/four leading solutions-	6
3.4 Recommended approach	9
Chapter 4 – Methodology	10
4.1 What to use:	10
4.2 Why to use:	11
4.3 Sections of methodology	11
4.4 Implementation plans:.....	12
Chapter 5 – Planning.....	13
5.1- Project plan.....	13
5.1.1 Work Breakdown Structure (WBS)	13
5.1.2 Time Boxing	14
5.1.3 Gantt chart:.....	14
5.2 Test Plan	15
5.2.1 Testing against time boxes	16
5.2.2 Require testing	16
Chapter 6 – Feasibility.....	17
6.1 All possible type of feasibility	17
6.2 Cost Benefit Analysis.....	20
6.3 DSDM – good or not for this project	21
Chapter 7 – Foundation.....	21
7.1 Overall Requirement List	21
7.2 What Technology to be implemented	22
7.3 Recommendations and Justifications	23
Chapter 8 – Exploration.....	24

8.1 Old Full System Use Case Diagram	24
8.2 Old Full System Activity Diagram.....	25
8.3 Prioritized Requirement List (PRL).....	27
8.4 Prototype of new system.....	28
Chapter 9- Engineering	30
9.1 New system modules:.....	30
9.2 Use Case Diagram:	33
9.3 Class Diagram:.....	35
9.4 ERD Diagram:	36
9.5 Sequence Diagram:.....	37
9.6 System Interface Design / Prototype:.....	37
Chapter 10 – Deployment / Development	41
10.1 Core Module Coding Samples:.....	41
10.2 Possible problem break down	45
Chapter 11- Testing	46
11.1 Test Case:.....	46
11.2 Unit Testing:.....	46
11.3 Integration Testing:	50
11.4 Module Testing:.....	53
Chapter 12- Implementation	57
12.1 Training	57
12.2 Big Bang/ Direct installation approach:.....	59
Chapter 13 – Critical Appraisal and Evaluation	60
13.1 Objective that could be met	60
Chapter 14 – Conclusion	61
14.1 Summary of the project.....	62
14.2 Goal of the project.....	62
14.3 My experience	62
Reference.....	63
Appendices	64
User guide:.....	64

For system user	64
System code:.....	82
Plagiarism Report:	Error! Bookmark not defined.

Table of Figures

Figure 01: Interface of Toyshop.com.bd	07
Figure 02: Interface of Othoba.com	08
Figure 03: Interface of Toy universe	09
Figure 04: Time boxing of the proposed system	14
Figure 05: Gantt chart of the proposed system	15
Figure 06: Old full system use case diagram	26
Figure 07: User old full system activity diagram	26
Figure 08: Admin old full system activity diagram	27
Figure 09: Staff old full system activity diagram	27
Figure 10: Prototype of System login page	29
Figure 11: Home page of the system	29
Figure 12: Prototype of all products in product list.....	30
Figure 13: Add product to cart with details prototype.....	30
Figure 14: Use case diagram for the proposed system	34
Page ©Daffodil International University	
Figure 15: Class diagram for the proposed system	35
Figure 16: ERD Diagram for proposed system	36
Figure 17: Sequence diagram for proposed system	37
Figure 18: Home page	38
Figure 19: All products	39
Figure 20: Product details with order process	39
Figure 21: Add new product form	40

Figure 22: Product Sales report	40
Figure 23: Monthly Sales Report	41
Figure 24: Product orders and delivery details	41
Figure 25: Add product to the system code sample.....	42
Figure 26: Report generation coding sample in the system	43
Figure 27: Add cart coding sample	45
Figure 28: Registration successful.....	47
Figure 29: Log in with invalid email id with missing @	48
Figure 30: Login with invalid data	49
Figure 31: Customer login to the system successfully	50
Figure 32: Customer input valid email id and password.....	51
Figure 33: Customer successfully logged in	52
Figure 34: Add product details by Admin	52
Figure 35: Product successfully inserted	53
Figure 36: System shows the product inserted to the system	53
Figure 37: User registration validation checking	54
Figure 38: Fill up the registration form with valid information	56
Figure 39: Registration successful	57
Figure 40: Customer fills up the registration form	65
Figure 41: Successfully registration	66
Figure 42: Customer enter data to the login form	66
Figure 43: Successfully login to the home page	67
Figure 44: user information	67
Figure 45: User profile information and change password	68
Figure 46: User order details	68
Figure 47: User product whitelist	69

Figure 48: About page	69
Figure 49: Product List page	70
Figure 50: Search product	70
Figure 51: Individual product overview details	71
Figure 52: Product review	71
Figure 53: Product Shopping cart.....	72
Figure 54: After pressing order Product check out page will come	72
Figure 55: After completing billing detail and pressing order then successful page come.....	73
Figure 56: Contact page	73
Figure 57: Admin login page	74
Figure 58: Admin dashboard page	74
Figure 59: Admin Add Slider	75
Figure 60: Admin Slider list	75
Figure 61: Admin Add category	76
Figure 62: Category List	76
Figure 63: Admin Add city	77
Figure 64: Admin City list	77
Figure 65: Admin Add new product	78
Figure 66: Admin product list	78
Figure 67: Admin order list	79
Figure 68: Admin Add new employee	79
Figure 69: Admin user list.....	79
Figure 70: Admin employee list	80
Figure 71: Product sales report	80
Figure 72: User comment list	80
Figure 73: User sent email	81

Figure 74: System User Login Code	84
Figure 75: Admin login code.....	85
Figure 76: System product list	87
Figure 77: Product booking system code	88

Chapter 1

Introduction

Now-a-days people are getting very advanced in doing their work easily and connecting to each other. It's all about the use of technology. Technology has made our life easier to lead. For the advantages of using technology, People can do their work within seconds. They use web based dynamic system rather than manual paper based work. Like other developed countries, Bangladeshis people are not lacked behind in using technology. In our country, people use technology to do their daily works easier such as doing online shopping, doctor's appointment, banking, digital marketing, health & insurance service, buying tickets, freelancing, corporate works etc. It's save their vulnerable times and money.

Every parent wants to see their children happy. For nursing children, they always look for the right product. A toy is an object used and intended for play use of this nature. Playing with toys is very necessary for every child for their growth, brain development, skill development and explores relationship. In our country, most of the parents cannot get enough time to go shop and buy toys for their children. Through online shopping, they can buy toys for their children. It's save their time and money. But there is a little online shop that provides specific toys for children with good quality. For this purpose, **"Kids Toy Store"** gives good solution by providing the best quality of product for children. All local and international brand toys are available here. People can find different categories with different brand toys such as educational, traditional, pre-school, birthday party toys, toys by ages etc. This system can manage all toy related information, delivery product to the customer and customer data, sales report etc.

Chapter 2 – Initial Study

2.1.1 Overview of the Project

Most of parents don't get time to go toy shop and buy toy for their children as they remain busy in their business, jobs and working places.

Get ride from this situation, the proposed system named “**Kids toy Store**” will be a good choice for those parents who want to buy best toys for their children and also for teenager who wants to buys sports toys. This system will be going to develop to save people’s time and minimize their trouble for not going to shop to buy toys for their children. Toys are for fun, instructional and pleasant that satisfies the expectations of the client. Different types of toys with different brands are categorized here. International and local toys are also available here. People order product then the company’s responsibility is to manage the system and collect customer information to handover the products. Admin can manage the system by updating information like product, category, brand, price, pages details and order details. And also provides feedback to the customer and manipulate customer information and can delete customer from the system. Admin can also manage payment information and add new staff for product delivery.

In this system, customer can see different categories of toys with details like toys brand and its price. But if customers want to order any toys then they have to register themselves with required fields. After completing registration customer can order their selected product, see their order confirmation, payment status and manage profile. Customer can add or remove product to the cart that they want to buy. Customer can give review about the product. If customers have any quarries contact with the company’s admin.

2.1.2 Defined Goals/Objectives of the Project:

Goals of the Project:

- i. Offer an awesome web service to clients.
- ii. Providing right and pleasant quality product to clients.
- iii. Provide a secure platform and secure payment system for client.

- iv. Easier to do purchasing through online what customers wanted without shifting from home.
- v. Establishes a good relationship amongst clients and get familiar as a brand.

Objectives of the Project:

- i. Get the order of products through online.
- ii. Users can search different types of toys and can choose toys from product category.
- iii. Provide secure online payment system for customer.
- iv. Take feedback from the customers and improve the quality of products and services.
- v. Make the system user friendly so that inexperienced people can easily visit this site and shop their choice-full product.

2.2 Background of the project

At the very beginning, people go to shops and buy their daily necessities. It takes so much time for their shopping. Day by day, technology has changed everything and made our life easier and comfortable. People can do their daily works through online. People can shop through online. But whenever the question comes for children toys, it is tough to find good quality of product for children through online shops. Sometimes few online shops provides faulty toys product that they didn't check and there is no specific toys shops only sell toys for children that's why many online shop company can't assure the best quality and return policy for product . Products are not furnished with categories and brand. Proper information about toys and brand are not provided.

Considering all of them- "**Kids Toy Store**" provides good solution for managing different categories of products with different brand, toys information and secure payment system. Any company can run their business with different categories of toys based on market

demand by using this system. For this purpose, I have selected the name for a web based proposed system-“**Kids Toy Store**” which is very helpful for people who can easily buy toys for their children.

2.3 Problem Area

In this modern age, E-commerce business, corporate jobs are also growing up through online. E-commerce sites are increasing day by day and some of them are fake and don't provide proper service that's why many customers don't trust e-commerce business. Many customers feel insecure whenever they want to do payment through online. So it is also one of the big issues. On the other hand, most of the raw materials for toys are insufficient. We have still not been able to produce quality raw materials. So, this is definitely our biggest limitation and it needs to be addressed. Most of the ecommerce sites allow live chat option for direct contact with customer. But in this proposed system, there is no live chat option. Customer cannot directly connect with this system.

2.4 Possible Solution

After analyzing all of those problems, I have found some solutions. For gaining customer trust we have also provided cash on delivery service beside online payment for product , faster delivery service, delivery quality product with brand name so that customer can justify our product from others. As live chat option is not implemented in this system, so customer can contact us with filling up contact us page form or they can directly call us anytime for any queries about product information. In future we will add live chat and other features for system and product return policy.

Chapter 3 – Literature Review

3.1 Discussion on problem domain

Whenever the Government of Bangladesh provides clearance and permission to run online payment from that time e-commerce site becomes very popular in this country. But there are also some fraud sites. They don't provide security, user requirements fulfillment and good quality of the product. “**Kids Toy Store**” is an e-commerce service provided site. By using this site customer can buy quality toys for their children, birthday gift and also their intimate partner. Customer can do payment through online using Bkash payment and also cash on delivery. In Bangladesh, this type of e-commerce site is not so common and available. Whenever the company wants to do business using this system through online, it may face some problems. I have given some problems in below:

- In this site, card payment system is not utilized.
- Some fraud and invalid user uses e-commerce site and order products in invalid address.
- Sometimes internet connection becomes fall down.
- Maintaining govt. policy and rules regulations.
- Live chat option and product return policy is not implemented □ Product delivery tracking is in developing process

3.2 Discussion on problem solutions based on published articles.

Now-a-days, e-commerce business has been taken a biggest market place in Bangladesh. Our government get large amount of tax from this sector. But in recent many investors, stakeholders and entrepreneurs also are facing many problems in doing e-commerce business. Here I am going to discuss some solution about some possible solutions in below:

Product Quality: Company's staff should check product quality whenever the product is processing to the shipment. Product manager should concern about the product quality during manufacturing and production and separate the faulty product. System should include customer feedback and rating so that management can identify about the problem of the product and solve it.

Trust: For Gaining trust from customers, company needs to go through over all transparent process. Company needs to be kept customer data secure and privacy, delivery the quality product on right time and implement return product policy.

Verify user identification: For identifying the real users, e-commerce side should implement two factor authentications, email verification and mobile number verification. This is how e-commerce site can prevent online fraud.

Internet Connectivity: Sometimes internet connectivity in many places becomes fall and price becomes high. As the e-commerce business depends on internet connection. So our government should establish a limited price package over internet so that it can be affordable for us.

3.3 Comparison of three/four leading solutions-

Here I'm going to talk about three famous e-commerce toy stores and their best features and limitations which are related to “**Kids Toy Store**” i. **Toyshop.com.bd**(etlimited, 2020)):

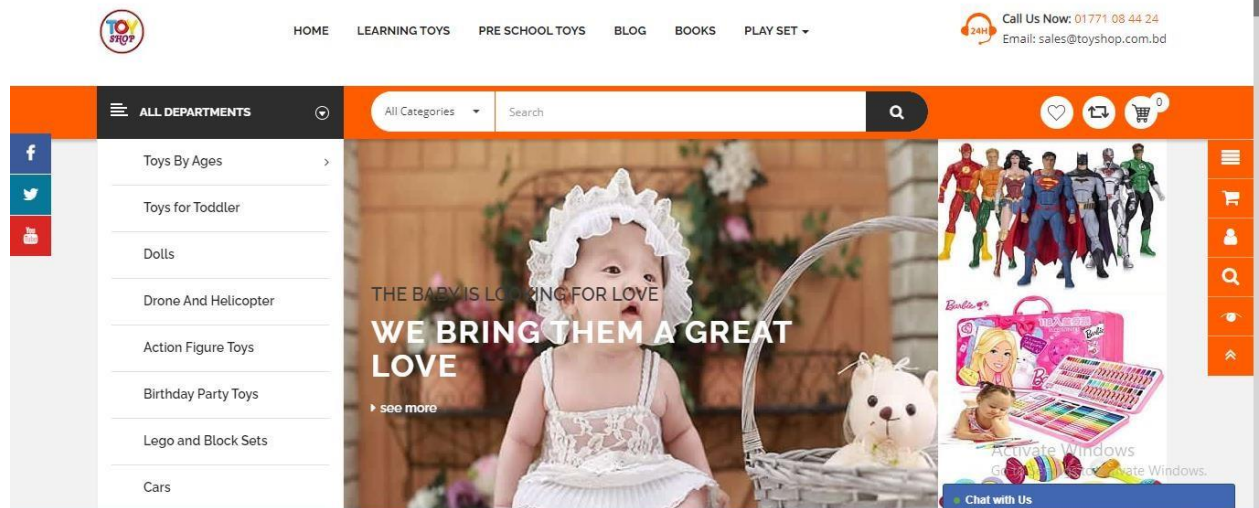


Figure 01: Interface of Toyshop.com.bd

Toy Shop Bd provides different types of toys in Bangladesh. It provides their product to home service.

Best Features:

- Register and login process.
- System provides desire service to the customer for checkout.
- Manage customer profile
- Payment methods are available.

Limitations:

- Given less information about product
- No standard design in interface
- There is no customer feedback service

ii. **Othoba.com** (othoba, 2020):

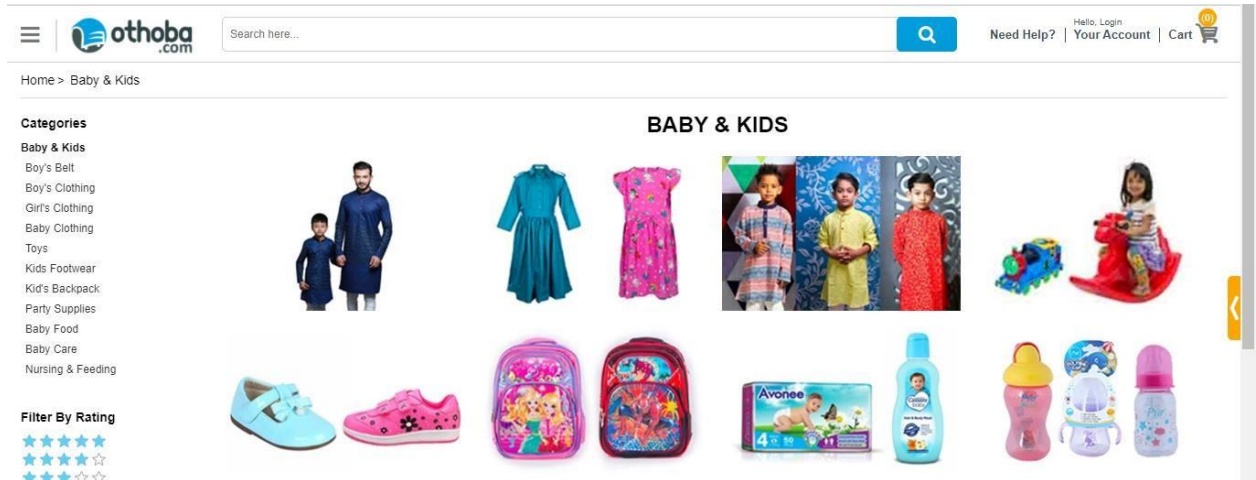


Figure 02: Interface of Othoba.com

Othoba.com is an ecommerce site in Bangladesh. It provides different types of service like daily necessities, cloths, toys, electronics, grocery, books & stationary, furniture and so on. It provides their product to home service.

Best Features:

- Registration and login.
- Customer feedback service
- Can register as an entrepreneur for doing business.
- Payment methods are also included.

Limitations:

- System interface is not too good to understand.
- System often gets hanged.
- System is not so dynamic.'

iii. **Toyuniverse.com.au** (toyuniverse, 2020):



Figure 03: Interface of Toy universe

Toy universe is a best toy online shop in Australia. It provides unique and best international brands toys.

Best Features:

- Registration and login.
- Customer review and feedback service
- Secure payment methods are also included.

Limitations:

- System is not so much dynamic.
- User email id is not verified for registration.

3.4 Recommended approach

By analyzing three toy e-commerce platforms, I have found some features that need to be included in my proposed. In the following, I have described those things:

- Interface and navigation bar needs to be attractive.
 - Product category needs to be well furnished and admin has the ability to add new category in business change.

- Product showcasing and imaged should be attractive • Product details should be provided clearly with its brand.
- Register user can only buy product.
- Different payment method needs to be implemented.
- Other user can visit our site and see our product.
- Customer can see overview on product and give review on it
- Register user can see product confirmation status.
- Live chat option should include for users.
- Quality customer support must be provided.
- GPS tracking should be included for product shipment so that customers can see exactly where their product is.

Chapter 4 – Methodology

4.1 What to use:

There are many methodologies used in software development such as Agile, Rapid Application Development (RAD), Dynamic System Development Methodology (DSDM), Waterfall methodology, SCRUM etc. It's up to the desire of a company to choose the right methodology for a project. From all of those methodologies, I have chosen Dynamic System Development Methodology for this proposed system. As it is very flexible, adjustable and adaptable for the project within tight budget and limited time that's why I have chosen this methodology.

4.2 Why to use:

Reasons for using Dynamic System Development Methodology in this proposed system are given below:

- DSDM focus on to achieve the business goals by using MoSCoW prioritization.
- Delivery the proposed system on the right time by using time boxing on limited budget.
- Satisfy the client by involving from the beginning to end and fulfill the user requirements. It also involves all stakeholders throughout the project and empowers all members of the team to make decisions.
- It's always get updated and focus on the quality of a product so that it can deliver the best product to the client.
- This methodology can adapt any changes by involving iterative planning, testing, integration and other forms of evolution of the project.

4.3 Sections of methodology

Pre-project:

Project requirements, budget and initial project planning are specified in this phase. It can be decided if the project will be carried out or not.

Feasibility study:

Feasible studies measures the project is economically, technically and operationally feasible or not. After doing this, we can identify that the project will successfully run or not.

Foundations:

In this phase, there is a clear understanding of the needs of the project and how this initiative aligns with those needs. MoSCoW prioritization can be used to determine where the goals lie. At the end of this phase, you can be confirmed the first iteration of the delivery date of project.

Evolutionary Development:

In this phase, time boxing uses to monitor the iterations and makes each iteration as a finished piece of a much larger whole. Each time boxed iteration uses MoSCoW prioritization to prioritize which item will work. (Josua Render, 2018)

Deployment:

In this phase, the proposed system is ready to release so that everyone can be able to use this system.

Post-Project:

After completing the deployment phase then the post-project phase will come. In this phase, the completed project and its documentation will hand over to the client.

4.4 Implementation plans:

Before releasing final project, in the following we have to go through some procedures:

Testing: Testing system is very important after completing the deployment of the system. All sort of testing needs to implement in this phase. If there is any failure, it can be identify easily.

Documentation: Documentation is very important for any project. In documentation, we specify every steps of the development process of proposed system so that other developer can easily understand the project. If there is any failure then it can be easily identified.

Evaluation: In this phase, project evaluation is occurred if needed.

Chapter 5 – Planning

5.1- Project plan

For doing any project, there must be always a plan. Good planning is very important for any successful project. Project planning should be done before project design and development. Overall project plans will be explained in this chapter including work break down structure, time boxing and gantt chart.

5.1.1 Work Breakdown Structure (WBS)

Work Breakdown Structure is very important for any project. It has divided the project works into tasks within limited time. By following this structure, a successful project can be released within limited time and budget. Here I have given my proposed system break down structure in below:

No	Task Name	Duration	Start Date	Finish Date
01	Initial study of project	7Days	15/06/2020	22/06/2020
02	Project Proposal	7Days	23/06/2020	30/06/2020
03	Analysis of the project	8 Days	01/07/2020	08/07/2020
04	Design of the project	7 Days	09/07/2020	16/07/2020
05	Implementation of the project	20Days	17/07/2020	06/08/2020
06	System testing	5 Days	07/08/2020	12/08/2020
07	Project Documentation	10days	13/08/2020	23/08/2020
08	Final project	4days	24/08/2020	28/08/2020
	Total Time	68 days		

5.1.2 Time Boxing

Time Boxing is very important for doing a successful project within right time. In this time boxing, tasks title and resource name are specified and each time box divided into four parts. I have given the time boxing chart in below:

Time box	Task title	Resource Name
T-1	Introductions	Analyst
	Initial study	Analyst
	Literature review	Analyst
	Methodology	Analyst
T-2	Planning	Analyst, User
	Feasibility	Analyst, Developer
	Foundation	Analyst, Developer
	Exploration	Analyst, Developer
T-3	Engineering	Analyst, Developer
	Deployment	Developer, tester
	Testing	Developer, Tester, User
	Implementation	Analyst, Developer, User
T-4	Critical Appraisal & Evolution	Analyst
	Lessons learned	Analyst, Developer, Tester
	Conclusion	Analyst

Figure 04: Time boxing of the proposed system.

5.1.3 Gantt chart:

Proposed system Gantt chart is given in below:

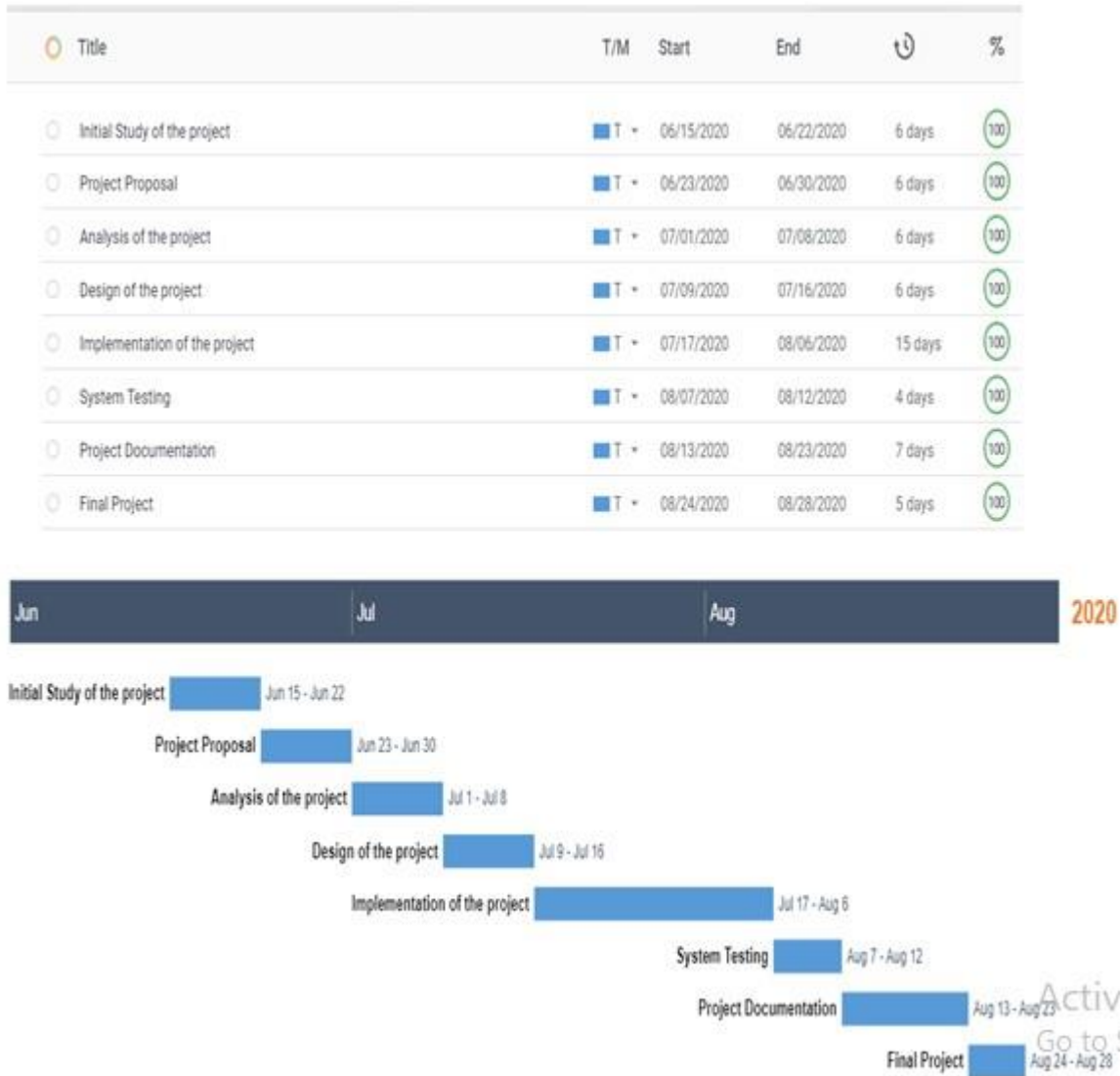


Figure 05: Gantt chart of the proposed system

5.2 Test Plan

After system development, testing must be implemented for checking the expected output worked with actual output or not. That's why proper test plan needs to be taken for identifying the problems and its solutions.

5.2.1 Testing against time boxes

Testing is given below against each time boxes in below:

User name	Example	Role	Example
Time box ID			
Time box content			

Test type	Test steps	Expected result	Actual results	Comment
Unit test				
Integration test				
System test				
Acceptance test				
Security test				
Usability test				
Reliability test				

5.2.2 Require testing

There are different types of testing required in software development. Here I am going to describe some of them in below:

Functional Testing:

Unit testing

In unit testing, It tests individual program, modules or unit of a code. If any failure occurs in a single line of a code, it could find easily.

Integration testing

In this section, combined and related modules, program and units of code are tested.

System testing:

In system testing whole computer system, complete integrated modules, program and units are tested. The purpose of this testing is to test that the whole system worked with specified requirement or not.

Acceptance testing:

Acceptance testing is a type of testing where we test a system for its acceptability. The aim of this testing is to evaluate that the system met the requirement specifications of business and user satisfaction or not.

Security testing:

Security testing is used to find out the system weakness, threat or failure and helps the developer to fix the problems.

Performance testing:

Performance testing is used to measure how well the system response and work effectively and efficiently.

Chapter 6 – Feasibility

A feasibility study takes into account all acceptable factors of a project including economical, technical, operational, legal, planning and scheduling considerations so that it could determine the likelihood of successful completion of the project.

(investopedia, 2020)

6.1 All possible type of feasibility

Here I am going to discuss all possible type of feasibility in below:

Economic feasibility: Economic feasibility takes into account certain considerations such as project budget, cost of equipment, cost of workers and cost of maintenance etc. It also considers the budget under which the project can be successfully executed.

Now I am going to discuss each of this in below table **Total**

project budget:

Serial No.	Component	Price (BDT)
01	Required Hardware	54,000/=
02	Required Software	50,000/=
03	Cost of Web Hosting	1,000/=
04	Other Components	27,700/=
Total Price		1,30,700/=

Equipment budget:

Serial No.	Component	Price (BDT)
01	Desktop PC/Laptop	50,000/=
02	Wi-Fi Router	2,000/=
03	Electrical Components	2,000/=
Total Price		54,000/=

Software budget:

Serial No.	Name of the Software	Price (BDT)
01	Xampp/Wampp (Free)	0
02	MS Office	10,000/=
03	Browser (Free)	0
04	Adobe Creative Cloud	10,000/=
05	OS (Windows)	25,000/=
06	Latest PHP Strom	5,000/=
Total Price		50,000/=

Technical Feasible:

As my proposed system is an e-commerce site, I will use HTML, CSS, Java Script, MySQL and PHP and have free tools available to build a website. Some additional hardware and software are needed during development and also for running the system. I have given in below:

Hardware	Desktop PC/Laptop (8 GB RAM, 1TBT HDD), Wi-Fi Router
Software	Xampp/Wampp Latest Version, Adobe Creative Cloud, MS Office 2007/2010, OS – Windows 10, PHP Strom Latest Version

Operational Feasibility:

Operational feasibility defines how well a proposed system solves the problem. It is based on human resource available for the project and determining when the system can be used if it is developed and implemented. (osarome, 2011)

And I think my project is going to be operational feasible because it will offer some benefits that will please both the consumer and end users. Some of those benefits include improved operation, easier access and effort, quick registration, login, order product, see order information, easy to booking, delivery on time, cost estimation, less time consuming etc.

6.2 Cost Benefit Analysis

Cost benefit analysis used to compare between total cost of the project and earning of the project so that we may know that the project will be benefited or not. Here I am going to draw the cost and benefit for the first year of my proposed system in below: **Cost of the project:**

Basic for	Cost (BDT)
Hardware	54,000
Software	50,000
Hosting	1,000
Others	27,700
Maintenance	10,000
Implementation	20,000
Total	1,67,700

Benefit of the project:

Basic for	Benefit (BDT)
Business Improvement	90,000
Improvement of Productivity	30,000
Savings from Changes (Structural)	60,000
Total	1,80,000

6.3 DSDM – good or not for this project

DSDM is very flexible, adjustable and adaptable for any project. The purpose of this methodology is to ensure the quality of the system, involving team member for taking any decision if needed. As DSDM follows iterative development process, so it involves user not only at the beginning and end of the project but also in daily basis. If any changes needed, it could be easily. Delivery the best product to the client on the right time by using time boxing on limited budget. It also focuses on to achieve the business goals by using MoSCoW prioritization. This is how it satisfies the user. As the characteristics of DSDM are matched with my proposed system that's why I think DSDM is good for the project.

Chapter 7 – Foundation

7.1 Overall Requirement List

There are two types of system requirement; they are functional and non-functional requirement. Now I am going to list out the both requirement.

Functional requirements of my proposed system are given below:

- user sign up and login
- update user account

- Search product
- Add product to cart
- View product details
- Remove product from cart
- Calculate product price
- View order details of user
- Delete user account by admin
- View, insert, update, delete product by admin
- View user's information by admin
- Manager orders by admin
- Add staff by Admin
- Manage staff by admin
- Monthly sales report
- Product sales report
- Logout

List of non-functional requirements:

- Scalability
- Maintainability
- Reliability
- Usability
- Security of the system
- Validation of the system
- Data Integrity

7.2 What Technology to be implemented

There are various kinds of technology used in a project. I have chosen client server application and web server application. Here I am going to discuss both of them in below:

Client server application:

Client/server application is a piece of the application that runs on the client computer. It sends request to the remote server for getting accesses for the information which is stored in the client machine. Some basic concepts about client server application are given below:

- A client-server framework that can rely on both platform-specific and crossplatform programming languages.
- Cannot access large number of users at a time.
- Require installation on client machine.
- It is expensive and robust to use because request cannot be completed whenever the server fails. (quora, 2020)

Web server application:

Web server application is an application which runs on web browser with its unique domain name known as web application. It takes request from client with domain name of the website. It is platform independent. Some characteristic of web server application are given in below:

- It uses multi-tier architecture.
- There is no need for any installation.
- Easy to access from all browser.
- As it is URL driven application, so URL link needs for acceptable. (quora, 2020)

7.3 Recommendations and Justifications

Recommendations:

Web server application will be more suitable. As it is very useful and easy to access, so my recommendation is to use web server application for this proposed system.

Justifications:

- As there is no need for installation for running this application, so user from anywhere can easily access this system.
- It can support large number of users.
- Easy to access and faster than others so that most of the people can easily familiar with it.

Chapter 8 – Exploration

8.1 Old Full System Use Case Diagram



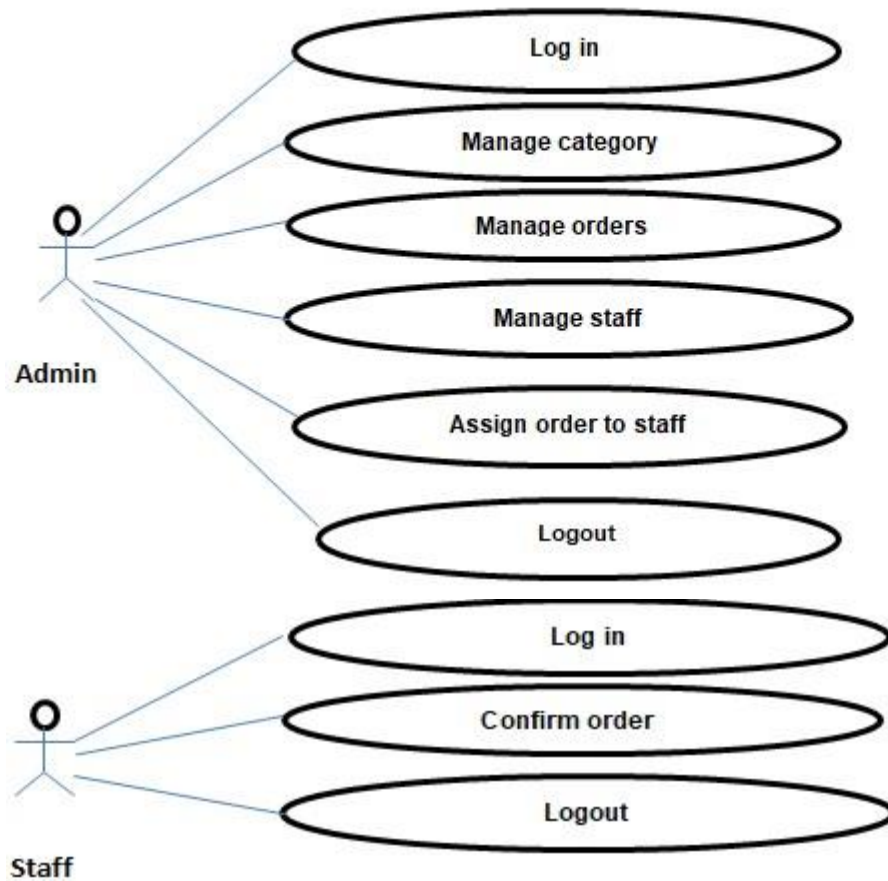


Figure 06: Old full system use case diagram

8.2 Old Full System Activity Diagram

User's (Customer) activity diagram:

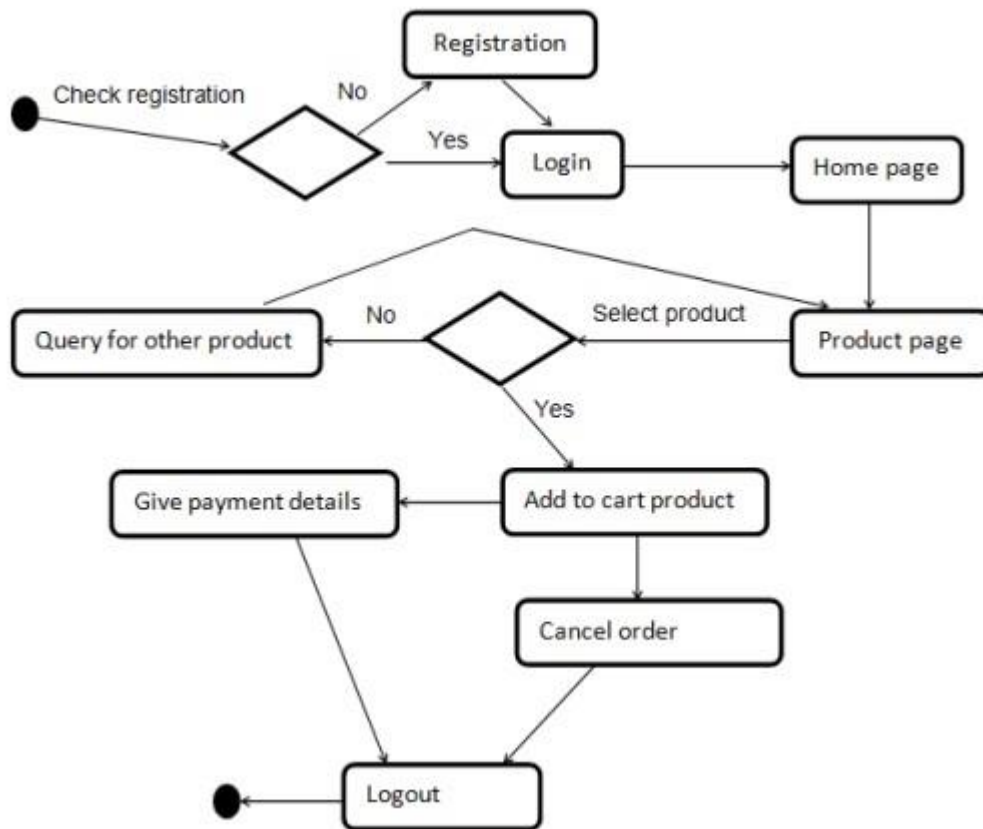


Figure 07: User old full system activity diagram

Admin activity diagram:

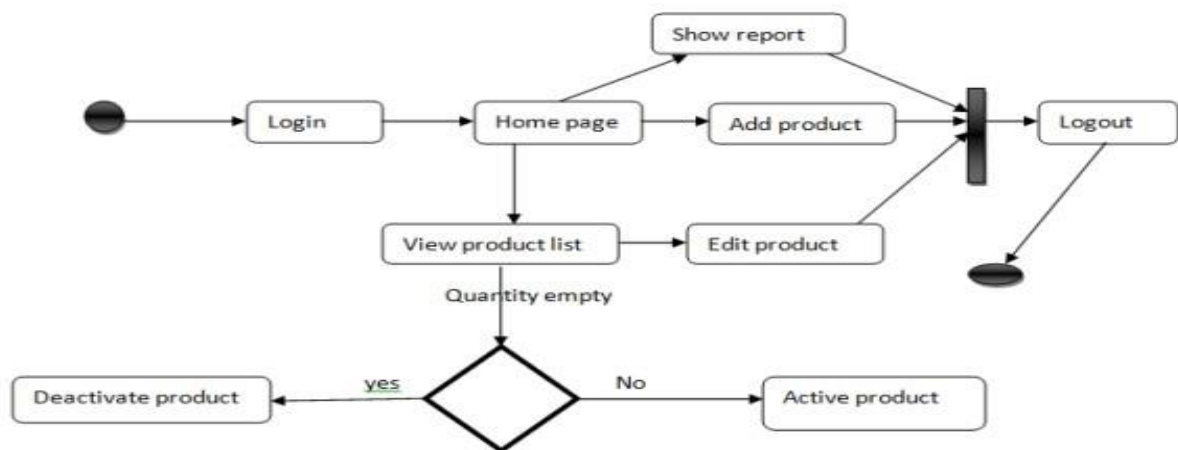


Figure 08: Admin old full system activity diagram

Staff activity diagram:

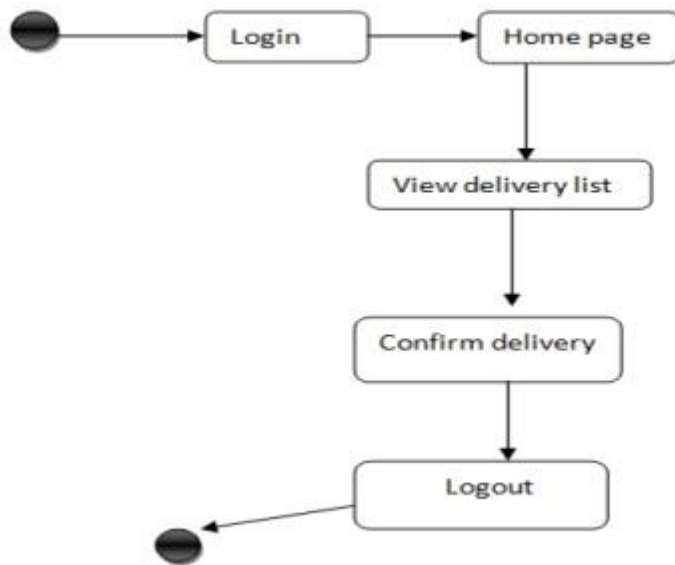


Figure 09: Staff old full system activity diagram

8.3 Prioritized Requirement List (PRL)

Prioritized requirement lists are given in below using MoSCoW technique.

Requirements no	function	Status
01	User(customer) registration	Must have
02	User (customer) login	Must have
03	Update user account	Must Have
04	Query product	Must Have
05	Add product to cart	Must Have
06	View product details	Must have
07	remove product from cart	Must Have
08	Calculate product price	Must have

09	View user's(customer) order details	Must have
10	View ,Insert, Update and Delete product by admin	Must have
11	View user information by admin	Must have
12	View user's order by admin	Must have
13	Manage user's payment by admin	Must have
14	Manage user's orders by admin	Must have
15	Delete user(customer) by admin	Must have
17	Add staff by admin	Must have
18	Manage staff by admin	Must have
19	Monthly sales report	Should have
20	Product sales report	Should have
21	Customer Logout	Must Have
22	Admin Logout	Must Have
23	Live chat	Would have
24	GPS tracking for product	Would have

8.4 Prototype of new system

LogIn form

EMAIL *

Enter email

PASSWORD *

Enter Your Password

SUBMIT

[Forget password](#)

Figure 10: Prototype of System login page



Figure 11: Home page of the system

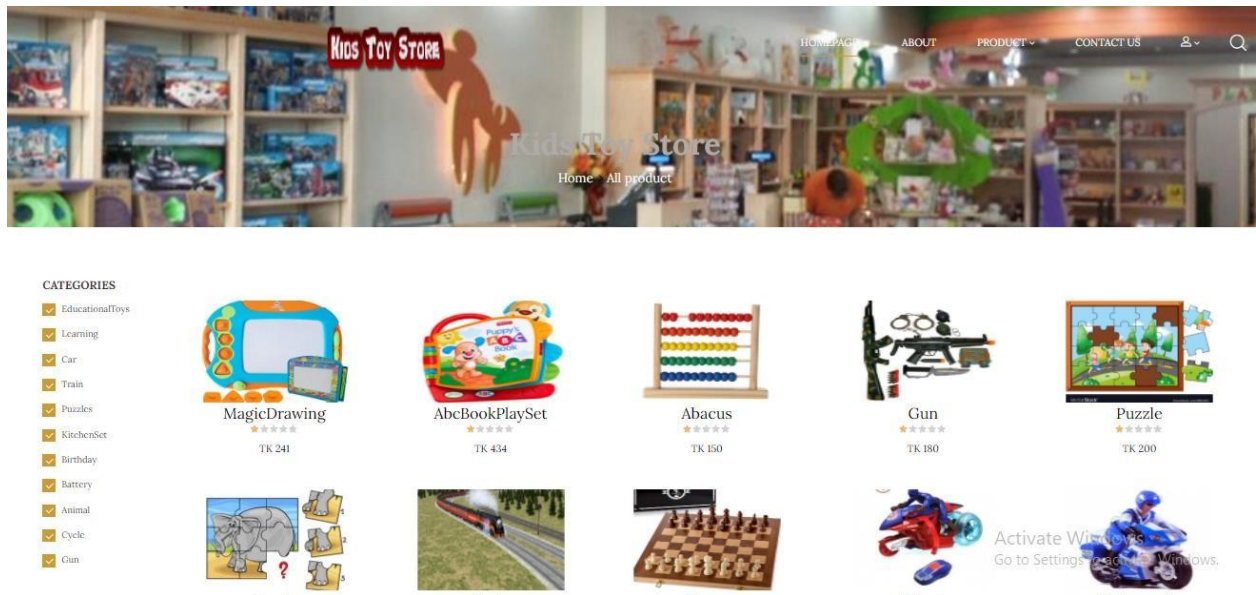


Figure 12: Prototype of all products in product list.

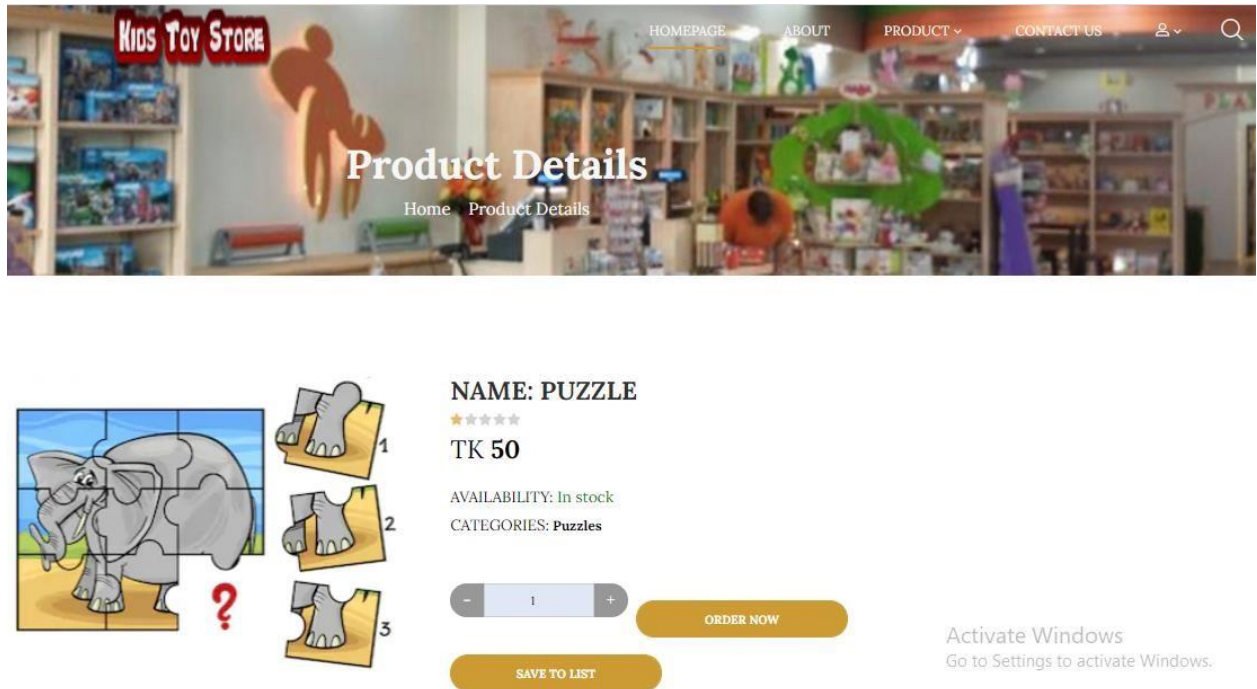


Figure 13: Add product to cart with details prototype

Chapter 9- Engineering

9.1 New system modules:

New system modules helps user and gives ideas about how it does its works efficiently and effectively. Now I am going to discuss about main modules of the proposed system in below:

Login and registration module:

Serial No.	User Action	System Action
01	User click on the registration	After clicking on registration then system show a registration form
02	User fill up the form	After filling up the registration form then system will check data is valid or not
03	After filling up the form then user clicks the registration button to confirm registration.	After that system verify and confirm the registration
04	After finishing registration, registered user input email id and password to log in.	System will check validation of both email id and password
05	Click on the log in button	System will check valid user is logged in or not

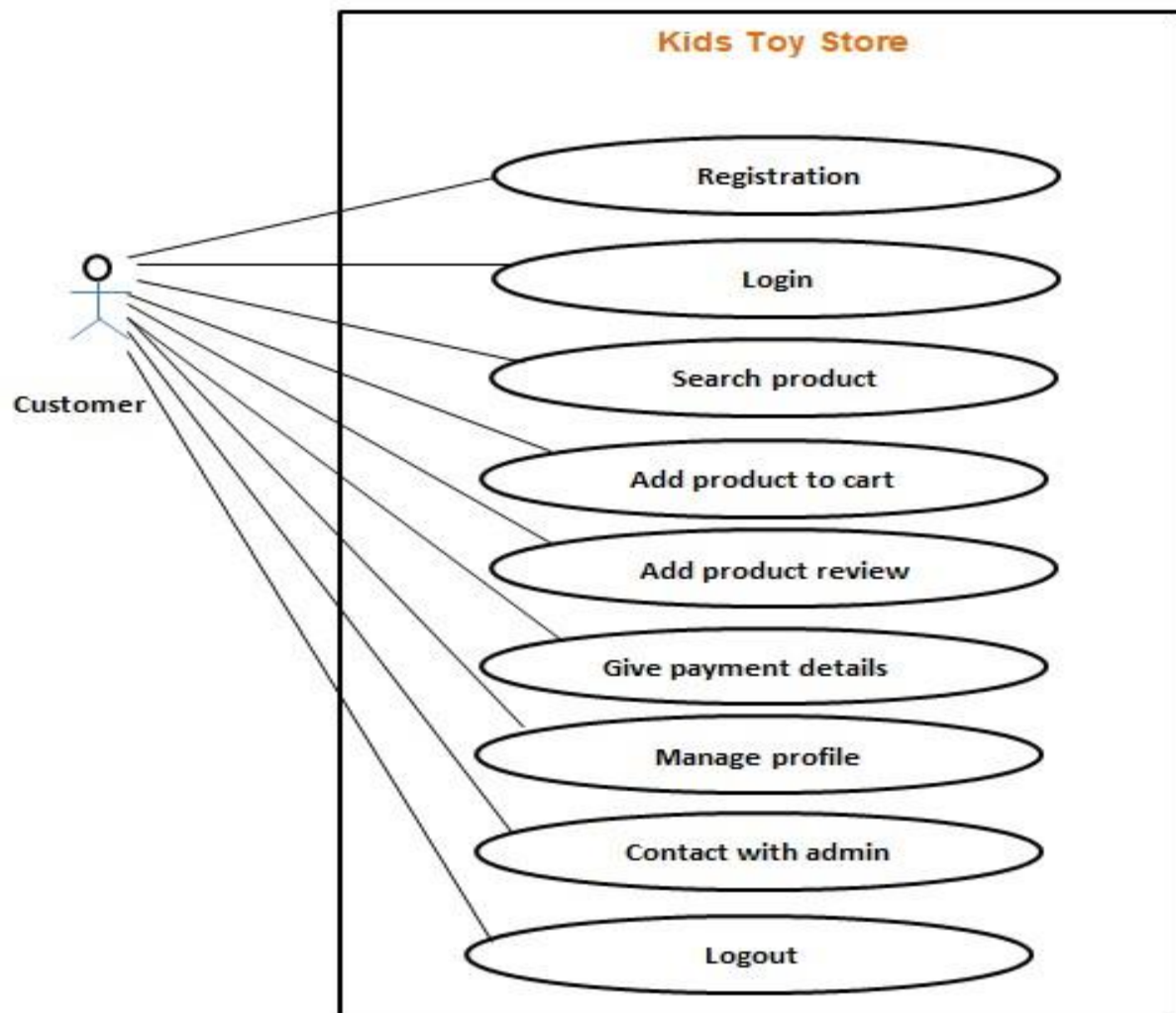
Buying product module:

Serial No.	User Action	System Action
01	Customer can search a product	System will show if the product is available
02	Customer can select a product which he/ she wants to buy	System will provide product details.
03	Registered customer can add product to the cart	System will show the quantity of the product to the cart and customer can also update quantity or cancel order
04	Customer choose payment details method from which they want to make payment	After completing this, successful message and confirmation of delivery will send from system.

Add product:

Serial No.	User Action	System Action
01	If admin wants to add product to the system then he has to click on add product option	A product details form will be shown to the system
02	Admin insert necessary image and information in the form	After that system will check the validation of each field in the form
03	After filling the all information in form, Admin can click on submit button	After completing this, system will show successful message then product will show on the page.

9.2 Use Case Diagram:



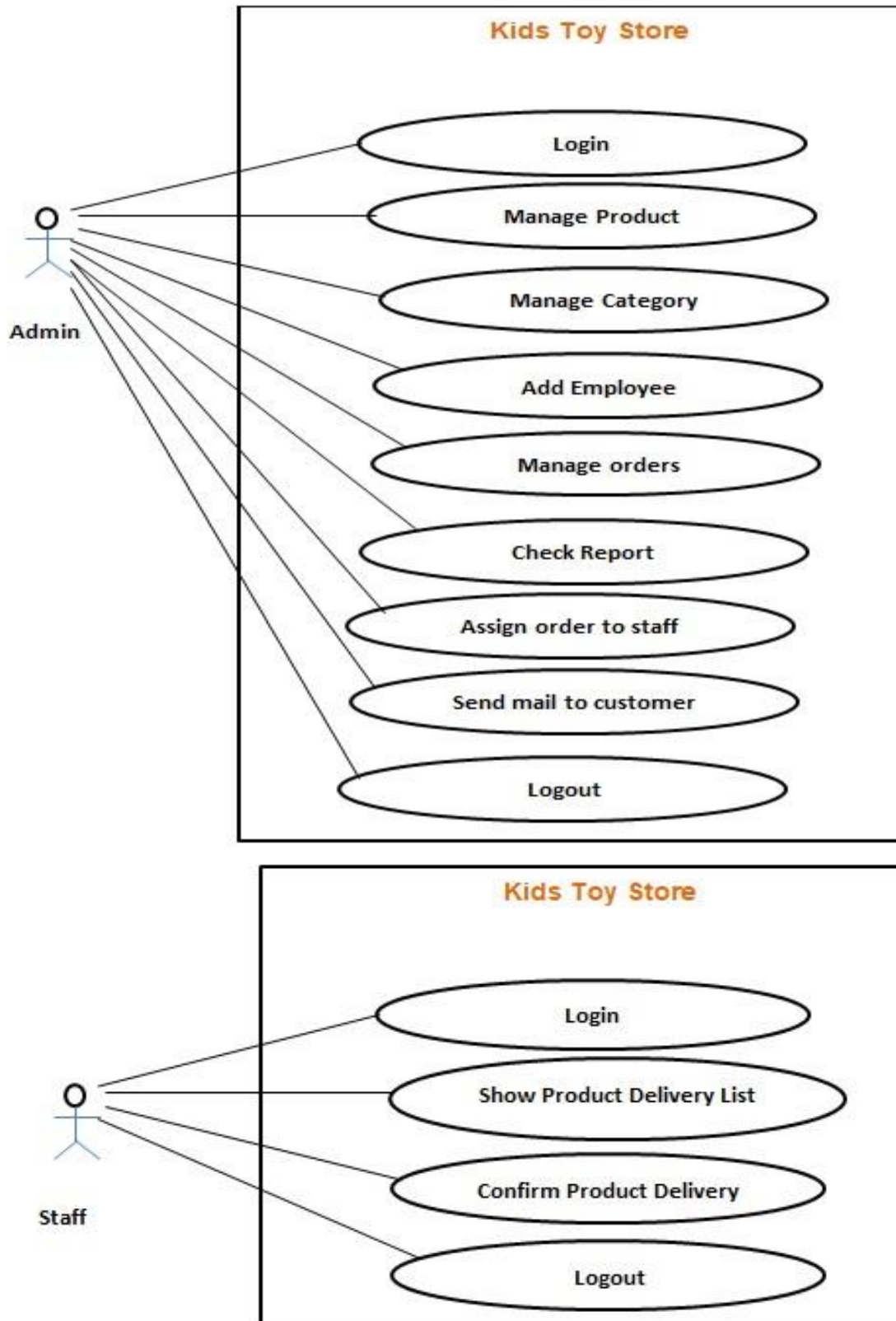


Figure 14: Use case diagram for the proposed system

9.3 Class Diagram:

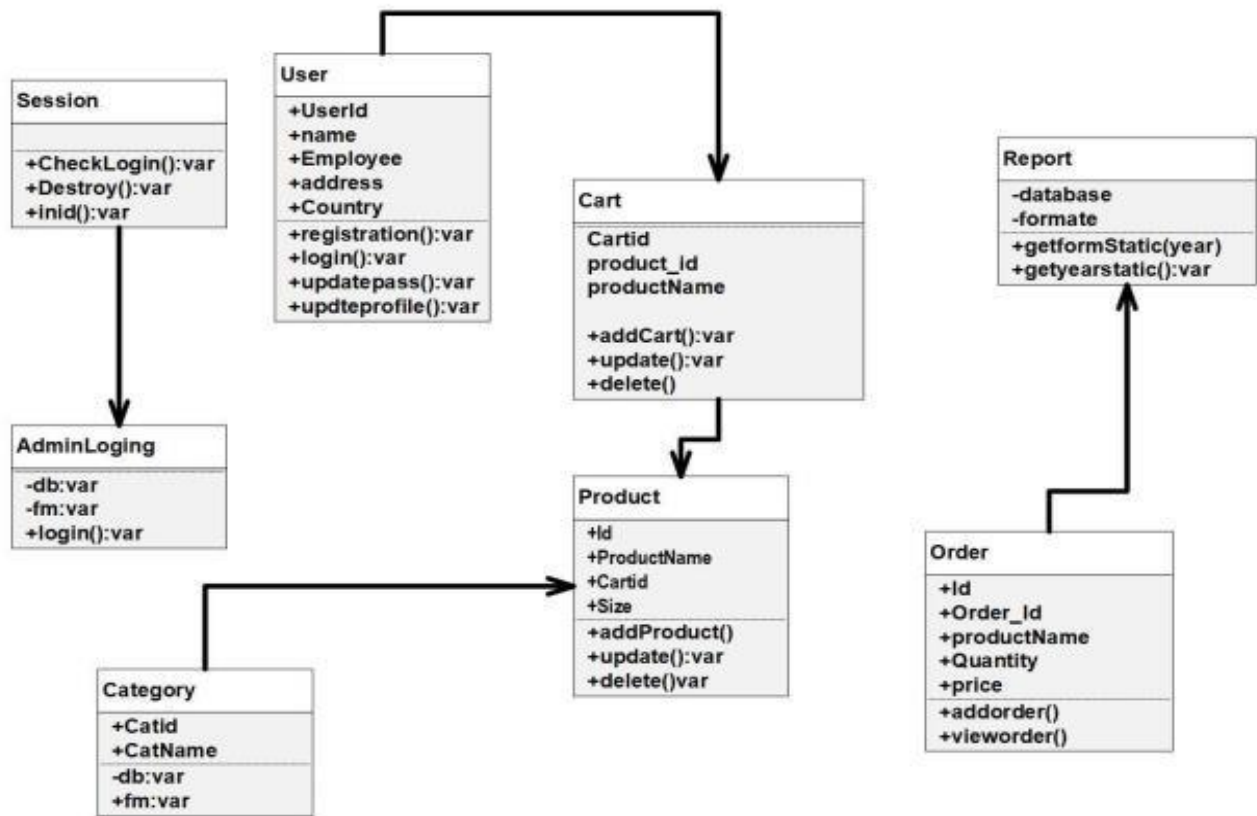


Figure 15: Class diagram for the proposed system



©Daffodil International University

9.5 Sequence Diagram:

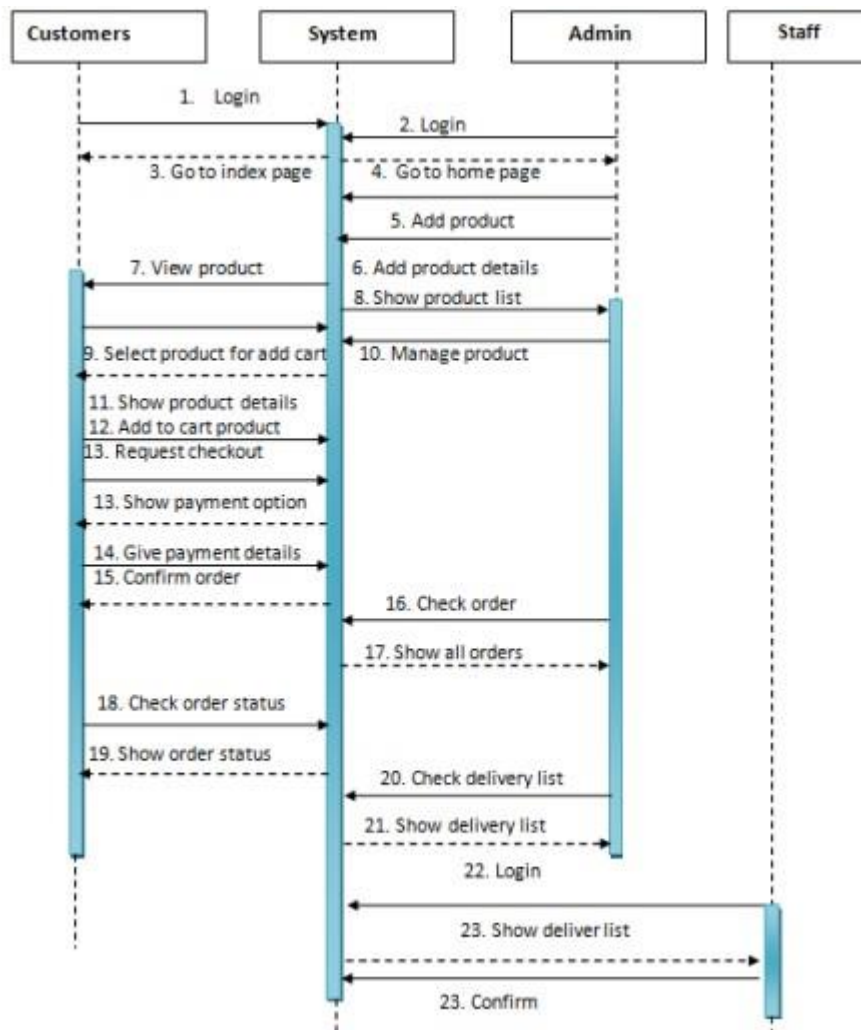


Figure 17: Sequence diagram for proposed system

9.6 System Interface Design / Prototype:



Figure 18: Home page

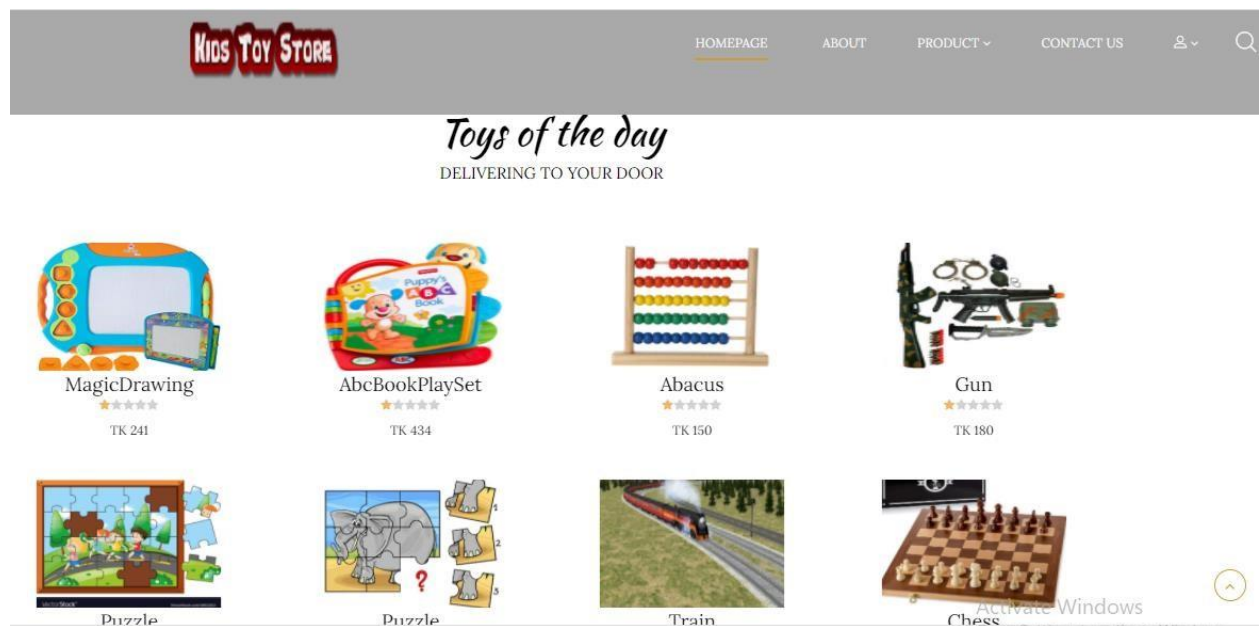


Figure 19: All products

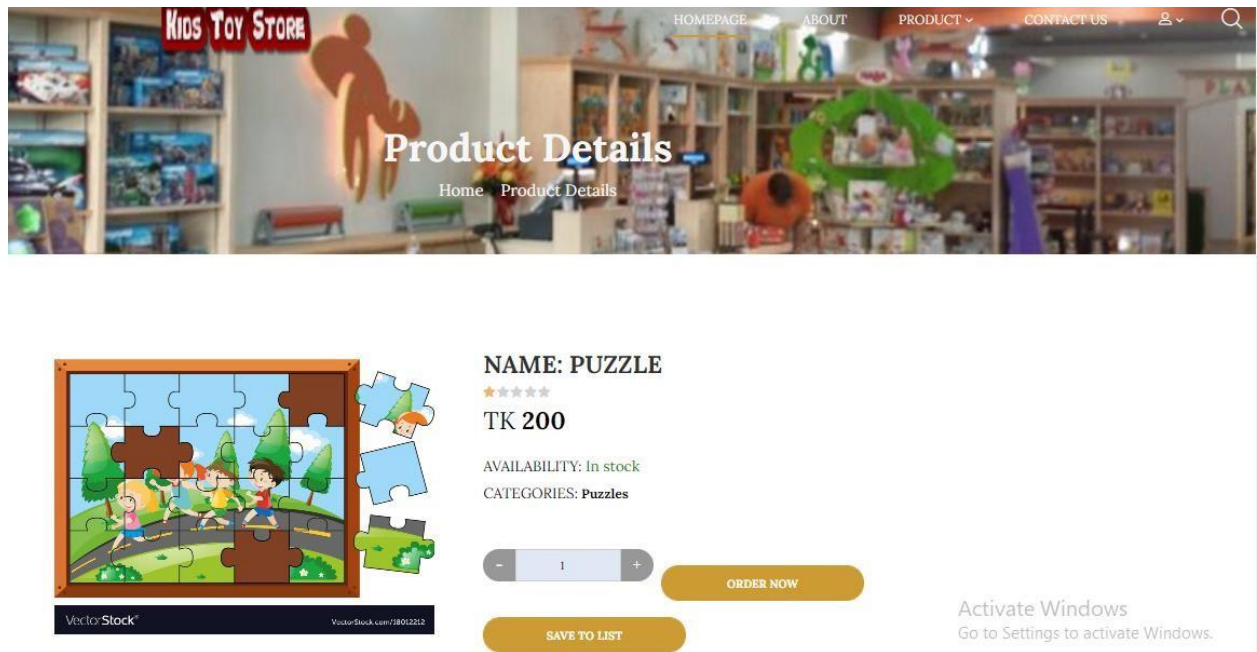


Figure 20: Product details with order process.

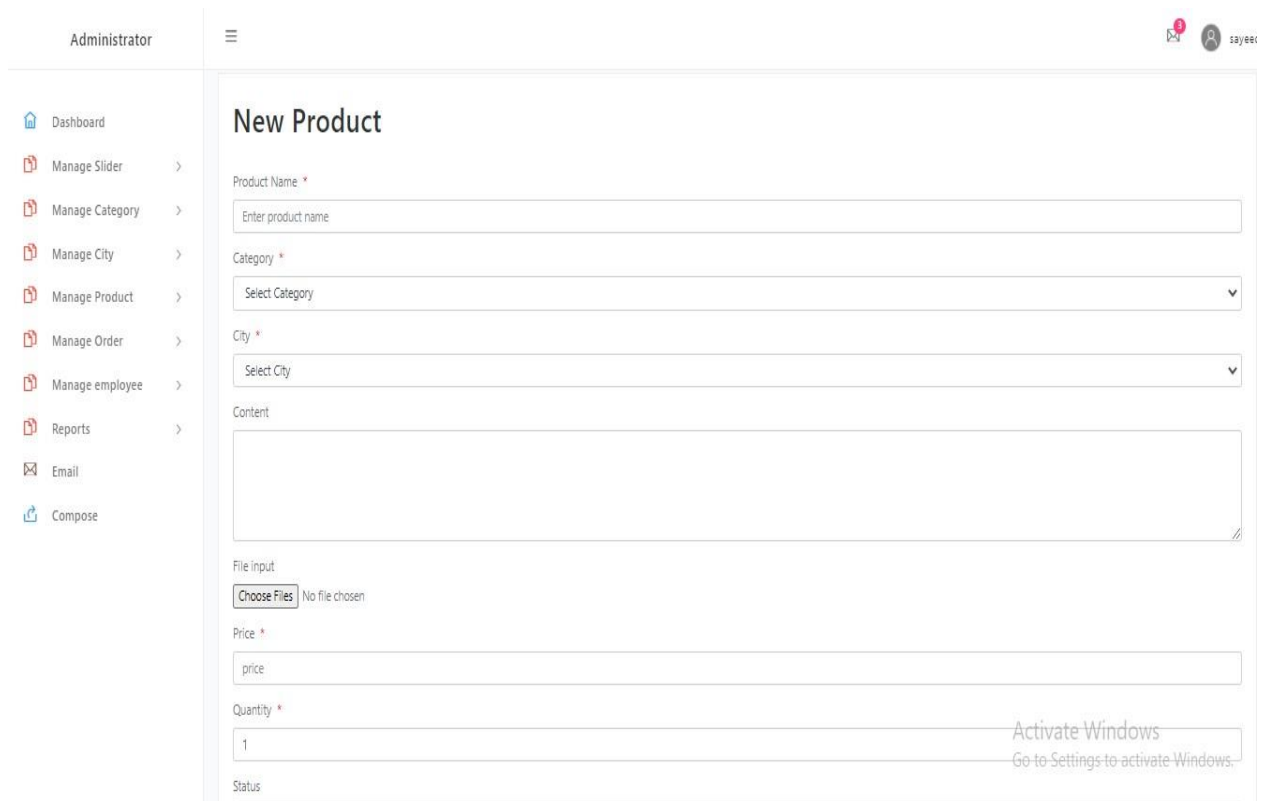


Figure 21: Add new product form

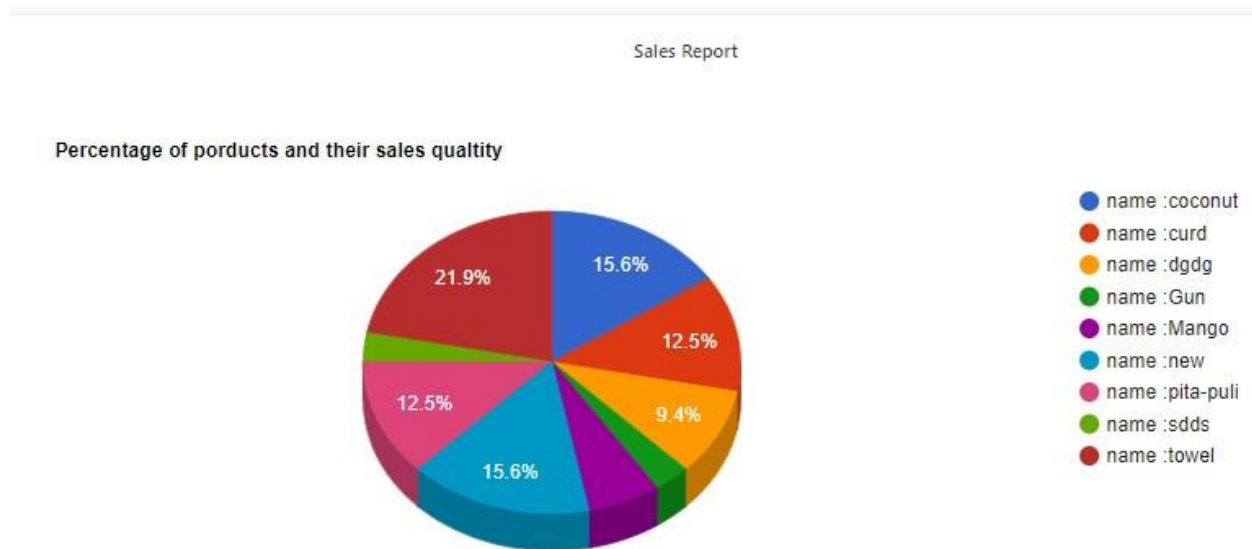


Figure 22: Product Sales report

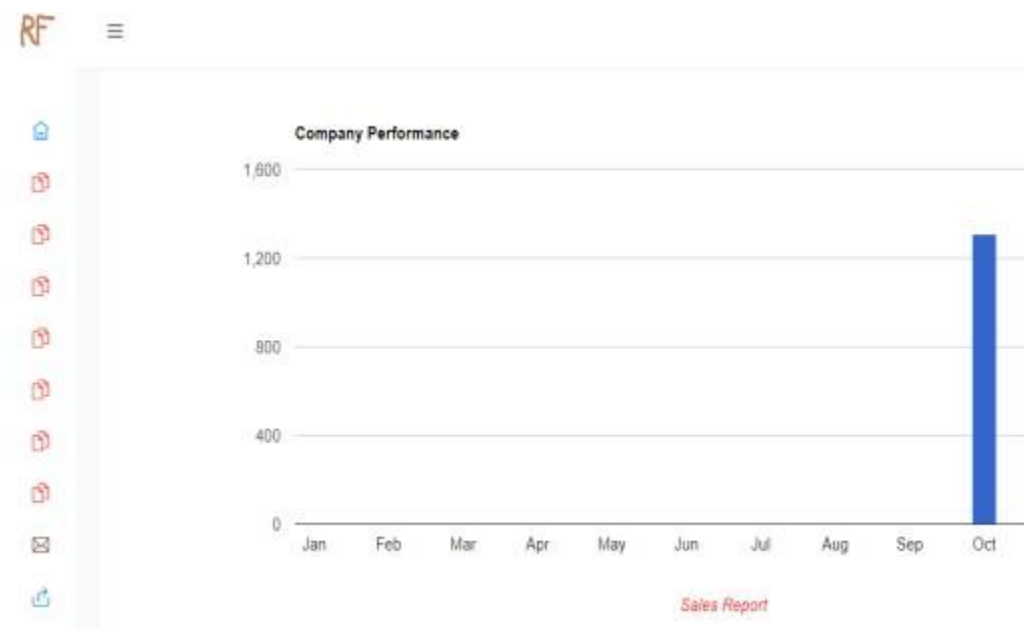


Figure 23: Monthly Sales Report

<div>Dashboard</div> <div>Manage Slider</div> <div>Manage Category</div> <div>Manage City</div> <div>Manage Product</div> <div>Manage Order</div> <div>Manage employee</div> <div>Reports</div> <div>Email</div> <div>Compose</div>	<div>Copy CSV Excel PDF Print</div> <div>Search:</div>								
	OrderID	PurchaseItems	Total amount	Payment_type	Transaction_id	Date	Status	Billing_address	Setting
	21	view items	66	Cash		2019-11-20 23:54:07	completed	view address	? 🗑
	22	view items	69	Cash		2019-11-20 23:54:07	completed	view address	? 🗑
	23	view items	290.4	Bkash	1098	2019-10-23 17:33:31	Pending	view address	? 🗑
	24	view items	290.4	Bkash	1098	2019-10-23 17:34:21	Pending	view address	? 🗑
	25	view items	220	Bkash	111	2019-10-23 18:09:08	Pending	view address	? 🗑
	26	view items	145.2	Cash		2019-10-23 18:22:34	Sifted to supplier	view address	? 🗑
	27	view items	36.3	Cash		2019-10-23 18:31:28	completed	view address	? 🗑
	28	view items	110	Bkash	1098	2019-10-23 18:48:25	Pending	view address	? 🗑
	29	view items	36.3	Cash		2019-10-23 18:49:56	completed	view address	? 🗑
	30	view items	36.3	Cash		2019-10-23 18:51:53	Pending	view address	? 🗑
	OrderID	PurchaseItems	Total amount	Payment_type	Transaction_id	Date	Status	Billing_address	Setting

Figure 24: Product orders and delivery details

Chapter 10 – Deployment / Development

10.1 Core Module Coding Samples:

In this session, I am going show some core module coding samples in below:

Add product coding sample:


```

<div class="mT-30">
  <form method="post" enctype="multipart/form-data">
    <div class="form-group">
      <label for="exampleInputEmail1">Product Name<span style="color: red; ">*</span></label>
      <input type="text" name="productName" class="form-control" id="exampleInputEmail1" aria-describedby="emailHe
    </div>
    <div class="form-group">
      <label for="exampleInputEmail1">Category<span style="color: red; ">*</span></label>
      <select class="form-control" id="sel2" name="catId" required="required">
        <option >Select Category</option>
        <?php
          $cat=new Catagory();
          $getCat=$cat->getAllCat();
          if ($getCat) {
            while ($result=$getCat->fetch_assoc()) {
              <?php
                <option value="<?php echo($result['catId']) ?>"><?php echo($result['catName']) ?></option>
              <?php }}else{echo("Category not found");} ?>
            </select>
          </div>
          <div class="form-group">
            <label for="exampleInputEmail1">City<span style="color: red; ">*</span></label>
            <select class="form-control" id="sel2" name="city" required="required">
              <option >Select City</option>

```

```

        <?php
          $cat=new Catagory();
          $getCity=$cat->getAllCity();
          if ($getCity) {
            while ($result=$getCity->fetch_assoc()) {
              <?php
                <option value="<?php echo($result['name']) ?>"><?php echo($result['name']) ?></option>
              <?php }}else{echo("City not found");} ?>
            </div>
            <div class="form-group">
              <label for="exampleInputEmail1">Content</label>
              <textarea class="form-control" rows="5" id="comment" name="body" required="required"></textarea>
            </div>
            <div class="form-group">
              <label for="exampleFormControlFile1"> File input</label>
              <input type="file" name="image[]" class="form-control-file" id="exampleFormControlFile1" multiple>
            </div>
            <div class="form-group">
              <label for="exampleInputEmail1">Price<span style="color: red; ">*</span></label>
              <input type="number" name="price" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="pr
            </div>
            <div class="form-group">
              <label for="exampleInputEmail1">Quantity<span style="color: red; ">*</span></label>
              <input type="number" min="1" name="qty" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp" value="1"
            </div>
            <div class="form-group">
              <label for="exampleInputEmail1">Status </label>
              <select class="form-control" id="sel2" name="status" >

```

```

        <div class="form-group">
            <label for="exampleInputEmail1">Status </label>
            <select class="form-control" id="sel2" name="status" >
                <option value="active" selected>Active</option>
                <option value="inactive" >Inactive</option>
            </select>
        </div>
        <button type="submit" name="submit" class="btn btn-primary">Submit</button>
    </form>
</div>
</div>
</div>
</div>
</div>

```

Figure 25: Add product to the system code sample

Report generation coding sample:

```

<?php
$getsalsstatic=$report->getAllSaleStatic();
?>
<script type="text/javascript" src="https://www.gstatic.com/charts/loader.js"></script>
<script type="text/javascript">
    google.charts.load('current', {'packages':['corechart']});
    google.charts.setOnLoadCallback(drawChart);
    function drawChart()
    {
        var data = google.visualization.arrayToDataTable([
            ['Gender', 'Number'],
            <?php
            $aa='<div>Brand : <b>$row["productName"]</b><br/>Total Revenue : <b>';
            $ss="";
            $dd=0;
            while($row = $getsalsstatic->fetch_assoc())
            {
                $ss=$row["productName"];
                $dd=$row["number"];
                echo "['name : ".$ss.", ". $dd.", ]";
                // echo("$ss."."$dd");
                // echo('<div>Brand : <b>$row["productName"]</b><br/>Total Revenue : <b>$row["number"]</b></div>'
            }
            ?>
        ]);

        var options = {
            title: 'Percentage of products and their sales quality',
            is3D: true,
            // pieHole: 0.4
        };
        var chart = new google.visualization.PieChart(document.getElementById('piechart'));
        chart.draw(data, options);
    }
</script>
<main class="main-content bgc-grey-100">
    <div id="mainContent">
        <div class="row gap-20 masonry pos-r">
            <div class="masonry-sizer col-md-12"></div>
            <div class="masonry-item col-md-12">
                <div class="bgc-white p-20 bd text-center">
                    <h6 class="c-grey-900">Sales Report</h6>

                    <div class="text-center" id="piechart" style="width: 100%; height: 500px;"></div>
                </div>
            </div>
        </div>
    </div>
</main>

```

Figure 26: Report generation coding sample in the system

Add cart coding sample:

```
<div class="ps-hero bg--cover" data-background="admin/upload/back.jpg">
  <div class="ps-hero_content">
    <h1 style="color: #f7f7f7;">Shopping Cart</h1>
    <div class="ps-breadcrumb">
      <ol class="breadcrumb">
        <li><a href="index.php" style="color: #f7f7f7; font-size: 20px;">Home</a></li>
        <li class="active" style="color: #f7f7f7; font-size: 20px;">Shopping Cart</li>
      </ol>
    </div>
  </div>
</div>
<main class="ps-main">
  <div class="ps-container">
    <div class="ps-cart-listing">
      <div class="table-responsive">
        <?php
          if (isset($updateQuantity)) {
            echo($updateQuantity);
          }
          if (isset($delProduct)) {
            echo($delProduct);
          }
        <?>

        <table class="table ps-table ps-table--listing">
          <thead>
            <tr>
              <th>All Products</th>
              <th>Price</th>
              <th>Quantity</th>
              <th>Total</th>
            </tr>
          </thead>
          <tbody>
            <?php
              $getPd=$ct->getCartProduct();
              if ($getPd) {
                $i=0;
                $sum=0;
                $qty=0;
                while ($result=$getPd->fetch_assoc()) {
                  $i++;
                }
            <?>

            <tr>
              <td><a class="ps-product--table" href="details.php"><?php echo($result[
              <td>Tk. <?php echo($result['price']); ?></td>
              <td>
                <div class="form-group--number">
                  <form action="" method="post">
                    <input type="hidden" name="cartId" value="<?php echo($result['cartId']); ?>"/>
                    <input class="form-control" min="1" max="10" type="number" value="<?php echo($result['quantity']); ?>" name="quantity">
                    <input class="btn btn-success" type="submit" name="submit" value="Update"/>
                  </form>
                </div>
              </td>
              <td>
                <strong>
                  Tk. <?php
                    $total=$result['price']*$result['quantity'];
                    echo($total);
                  ?>
                </strong>
              </td>
            </tr>
          </tbody>
        </table>
      </div>
    </div>
  </div>
</main>
```



```

        Tk. <?php
$total=$result['price']*$result['quantity'];
        echo($total);
        ?>
    </td>
    <td>
        <a onclick="return confirm('Are you want to delete?');" href="?delPro=<?php echo($result['cartId']);?>"><di
        </td>
    </tr>
    <?php
    $qty=$qty+$result['quantity'];
    $sum=$sum+$total;
    Session::set("qty",$qty);
    Session::set("sum",$sum);
    ?>
    <?php ]] ?>
    </tbody>
    </table>
</div>
<div class="ps-cart_actions">
    <div class="ps-cart_promotion">
        <div class="form-group">
            <a class="ps-btn ps-btn--gray" href="index.php">Continue Shopping</a>
        </div>
    </div>

```

Figure 27: Add cart coding sample

10.2 Possible problem break down

For making the system more efficient and effective, development process and tasks needs to be divided into small parts. Thus possible problems will break down and makes the system development process will be easier to develop. Here I am going to describe about the break down process of the proposed system in below:

- i. **Create a standard database:** Creating a standard database for **Kids Toy Store**, we have to find out its attribute and understand the relationships between each tables using foreign key. Then we have to implement a standard database with SQL query for the proposed system.
- ii. **Create good interface design:** For creating good interface design for Kids Toy Store, HTML, CSS, JQuery, Java script have to be used. Responsive images, navigation bar, icon, color also needs to be used for each page with unique attributes in a proper way.
- iii. **Deployment the system:** For system deployment, we have to follow updated methodology and technology using a specific language.

- iv. **Using proper verification and validation:** During the system deployment, validation needs to be checked. After completing the system, validation & verification are used to check that the system meets its business requirements or not.

Chapter 11 – Testing

As my proposed system is based on “**Kids Toy Store**”, so test plan is very essential to check that the system meets its requirement fulfillment or not.

11.1 Test Case:

A test case is a summary of the inputs/actions, execution conditions, expected outcomes and post conditions that describe a particular test to verify compliance against any requirement in of a system. (tutorialspoint, 2020)

11.2 Unit Testing:

Test Name & ID :	Unit testing - 01		
Test Case :	New User Registration		
Description	Action	Expected output	Actual Output
User fill up all field with valid	Press “Submit” button	If we press the “Submit” button	Expected output

information		then then all information will save successfully in the database	
-------------	--	---	--

Registration form

Success! Registration success.Please login

NAME *
COUNTRY:

Your Name

Your Country

CITY:
PHONE:

Your City

Your Phone

ZIP:
ADDRESS:

Your Zip-Code

Your Address

EMAIL *
PASSWORD:

Enter email

Password

SUBMIT

Figure 28: Registration successful

Test Name & ID :	Unit testing - 02		
Test Case :	User Login		
Description	Action	Expected output	Actual Output
i. Fill up email id without using @ ii. User fills up login form with invalid information.	Press the "Submit" button	i. There will be an error message "missing @ in email id". ii. there will be a message "email or password not matched"	Expected output

LogIn form

Warning! email or password not matched!

EMAIL * PASSWORD *

sayeedgmail.com

Please include an '@' in the email address. 'sayeedgmail.com' is missing an '@'.

[Forget password](#)

Figure 29: Log in with invalid email id with missing @

LogIn form

Warning! email or password not matched!

EMAIL *

Enter email

PASSWORD *

Enter Your Password

SUBMIT

[Forget password](#)

Figure 30: Login with invalid data

Test Name & ID :	Unit testing – 03		
Test Case :	Log in		
Description	Action	Expected output	Actual Output
Check the validation for login. Fill up the login form with valid information	Press the “Submit” button	i. If press the “Submit” button then there will be a successful message and log into the system	Match as expected output



Figure 31: Customer login to the system successfully

11.3 Integration Testing:

Test Name & ID :	Integration testing – 01		
Test Case :	Log in		
Description	Action	Expected output	Actual Output
Check the validation for login Email Id: abusayeed295@gmail.com Password: 12345	Fill up with valid information	If press the “Submit” button then user log into the system.	Match as expected output

LogIn form

EMAIL *

abusayeed295@gmail.com

PASSWORD *

.....|

SUBMIT

[Forget password](#)

Figure 32: Customer input valid email id and password

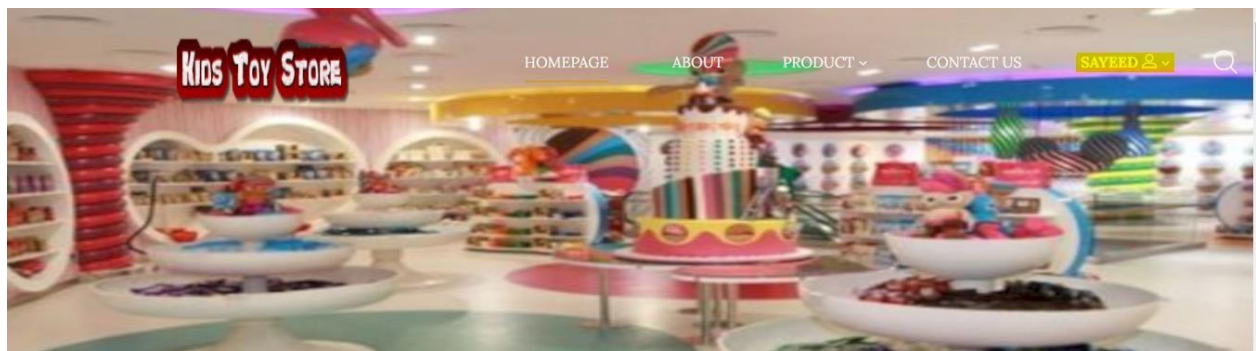


Figure 33: Customer successfully logged in

Test Name & ID :	Integration testing – 02		
Test Case :	Add product		
Description	Action	Expected output	Actual Output
Admin insert new product details	Fill up with valid information	If press the “Submit” button then there will be showing a successful message	Match as expected output

New Product

Product Name *

Abacus

Category *

EducationalToys

City *

dhaka

Content

Special or children

File input

Choose Files Toy Images.jpg

Price *

100

Quantity *

1

Status

Active

Submit

Activate Windows
Go to Settings to activate Windows.

Figure 34: Add product details by Admin

New Product

Success! Data inserted successfully

Product Name *

Category *

City *

Content

File input

Choose Files No file chosen

Activ

Figure 35: Product successfully inserted.

CATEGORIES

☒ EducationalToys

☒ Learning

☒ Car

☒ Train

☒ Puzzles


☒ KitchenSet

☒ Birthday


☒ Battery

☒ Animal


☒ Cvele




Chess
★★★★★
TK 2000



Abacus
★★★★★
TK 150



AbcBookPlaySet
★★★★★
TK 434



MagicDrawing
★★★★★
TK 241

Figure 36: System shows the product inserted to the system

11.4 Module Testing:

Test Name & ID :	Module testing - 01		
Test Case :	Checking user registration form		
Description	Action	Expected output	Actual Output
Check the validation for new user registration without inserting any data	Press "Submit" button without filling information	If we press the "Submit" button then there will be a message fill up the field	Expected output

WELCOME TO REGISTRATION

NAME *

COUNTRY:

CITY:

 Please fill out this field.

PHONE:

ZIP:

ADDRESS:

EMAIL *

PASSWORD:

REGISTER

Figure 37: User registration validation checking

Test Name & ID :	Module testing - 02		
Test Case :	Testing user registration form		
Description	Action	Expected output	Actual Output
Enter valid information in registration form. Name: Jamal Country: Bangladesh Phone: 0172435566 Address: Old Town Zip: 1204 Email: jamal@gmail.com Pass: 54321	Press "Submit" button without filling information	If we press the "Submit" button then there will be a message fill up the field	Expected output

Registration form

NAME *

Jamal

COUNTRY:

Bangladesh

CITY:

Dhaka

PHONE:

0172435566

ZIP:

1204

ADDRESS:

OldTown

EMAIL *

jamal@gmail.com

PASSWORD:

.....|

SUBMIT

Figure 38: Fill up the registration form with valid information

Registration form

Success! Registration success.Please login

NAME *	COUNTRY:
<input type="text" value="Your Name"/>	<input type="text" value="Your Country"/>
CITY:	PHONE:
<input type="text" value="Your City"/>	<input type="text" value="Your Phone"/>
ZIP:	ADDRESS:
<input type="text" value="Your Zip-Code"/>	<input type="text" value="Your Address"/>
EMAIL *	PASSWORD:
<input type="text" value="Enter email"/>	<input type="text" value="Password"/>

SUBMIT

Figure 39: Registration successful

Chapter 12- Implementation

12.1 Training

Proper training needs for the users to use the system easily and efficiently. Here I am going to describe the training area and its detail for each user in below:

Serial No.	User name	Training Area	Duration	Details
01	Customer	How to register as a customer and purchase product from system	1 hour	A registered customer can only purchase product. He/she can search his preference products and purchase it.
		How to add product to cart and whilst list and remove from it and also give feedback or reviews	½ hour	Customer may add product to cart, whilst list and whenever he wants then he may purchase product. If he doesn't get interested then he may remove it. Customer may do reviews for each product.
		How to do payment	½ hour	It is easy process. Customer may easily the process with in short time.

02	Admin	How to add product to the database and delete update and new product details with	40 min	Admin can easily add product and attributes in the database and also can delete and update product details in the system and understand its process. It takes few time
		How to manage delivery orders detail and update page information	½ hour	Admin can easily manage delivery orders and update page information with in limited

12.2 Big Bang/ Direct installation approach:

In this approach, all users involve to the new system and get rid from the existing system that means old system is replaced by the new system. If there is problem with existing system the whole system will be unavailable to use. In this approach, implementation is faster because the existing system is no longer in use. All most many software industries follow this approach to launch new software and system. There may

be some chances to loss data confidentiality when transferring data from old system to new one.

Chapter 13 – Critical Appraisal and Evaluation

13.1 Objective that could be met

Objective that could be met: Possible objectives that could be met in this proposed system are given below:

- Implement appropriate software development methodology for this proposed system
- User-friendly interface design
- Payment system for product
- Implement proper validation and verification to the system

Objective-01: Implement appropriate software development methodology for this proposed system

Success rate: I have followed DSDM methodology for this proposed system. As most of requirements of this system matches with DSDM, so this objective is successful.

How much better could have been done:

If I research more and get ideas about which parts of the system is better for which methodology then it could have been done better.

Objective-02: Simple and User-friendly interface design

Success rate: I have analyzed many websites and get idea to create user-friendly interface for this proposed system, so this objective is successful.

How much better could have been done: Using HTML, CSS, icon, responsive side slide and navigation bar for good looking interface. But Vuejs language could be better, faster and lightweight for this proposed system.

Objective-03: Payment system for product

Success rate: This objective is successful. A registered user can only purchase product from this proposed system. For this he/she has to add product to cart and then do payment through bkaash and cash-on delivery.

How much better could have been done: Implementing payment system for this proposed system, If I could use PHP library, it would be better.

Objective-04: Implement proper validation and verification to the system.

Success rate: This objective is successful. For implementing proper validation and verification, I have done different testing for this proposed system; they are unit test, integration test, system test, performance test, security test, acceptance test etc.

How much better could have been done: I have involved many users like customer, developers for unit testing, integration and system testing. And also involving tester and some system for performance and security testing would be better for checking proper validation and verification.

Chapter 14 – Conclusion

14.1 Summary of the project

Kids Toy Store is an e-commerce site where different categories with different brand of toys are stored. From this site customer can easily search their preference toys with details for their children and add product to cart list. If they want to buy toys they should go to product cart list and buy toys from it with going through fill up addresses and some fields. Admin can manage client's order and assign a staff to deliver the product. Admin can manage the system by updating information like product, price, pages details and order details. Admin provides feedback to the customer and manipulate customer information and can delete customer from the system. Admin can also manage payment information and different category, brand of products.

14.2 Goal of the project

Important goals of this project are mentioned in below:

- Establishes interest, trust in customer and lets them know as a brand so that customer can easily buy product from it.
- Ensure good quality and actual product to customers
- Provide a good web service and create good relationship between customer and the company.
- Provide secure platform and secure payment system.
- Provide different categories and brand of toys with affordable price.

14.3 My experience

During completing this project, I have learnt many things and gained many experiences. When I have done development part, I had to face many problems and had to identify where the problems was then solved it. I have also got new experience whenever I had to play different role like a customer, employer, developer etc. for system and gain new

ideas. During and after completing development part, I had to test each time to check the system meets the overall requirement or not. I have also learnt how to maintain the system and complete project within limited time and budget. Long and short, I want to say that I have learnt many things which may help me in my real and professional life.

Reference

etlimited, 2020. *toyshop*. [Online] Available at: <https://www.toyshop.com.bd/> [Accessed 2020].

investopedia, 2020. *investopedia*. [Online] Available at: <https://www.investopedia.com/terms/f/feasibility-study.asp> [Accessed 2020].

Josua Render, 2018. *agile-mercurial*. [Online] Available at: <https://agile-mercurial.com/2018/07/09/a-full-lifecycle-agile-approach-dynamic-systemsdevelopment-methodology-dsdm/> [Accessed 2020].

osarome, 2011. *osarome*. [Online] Available at: <https://osarome.blogspot.com/2011/10/1-technical-feasibility-2-operational.html> [Accessed 2020].

othoba, 2020. *othoba*. [Online] Available at: <https://www.othoba.com/> [Accessed 2020].

quora, 2020. *quora*. [Online] Available at: <https://www.quora.com/What-is-the-difference-between-web-applications-and-clientserver-applications> [Accessed 2020].

quora, 2020. *quora*. [Online] Available at: <https://www.quora.com/What-is-the-difference-between-web-applications-and-clientserver-applications> [Accessed 2020].

toyuniverse, 2020. *toyuniverse*. [Online] Available at: <https://www.toyuniverse.com.au/> [Accessed 2020].

tutorialspoint, 2020. *tutorialspoint*. [Online]

Available at: https://www.tutorialspoint.com/software_testing_dictionary/test_case.htm [Accessed 2020].

Appendices

User guide:

For system user

Registration and login

Customer needs to registration and login to the system

Registration form

NAME *

Jamal

COUNTRY:

Bangladesh

CITY:

Dhaka

PHONE:

0172435566

ZIP:

1204

ADDRESS:

OldTown

EMAIL *

jamal@gmail.com

PASSWORD:

.....|

SUBMIT

Figure 40: Customer fills up the registration form

Registration form

Success! Registration success.Please login

NAME *	COUNTRY:
<input type="text" value="Your Name"/>	<input type="text" value="Your Country"/>
CITY:	PHONE:
<input type="text" value="Your City"/>	<input type="text" value="Your Phone"/>
ZIP:	ADDRESS:
<input type="text" value="Your Zip-Code"/>	<input type="text" value="Your Address"/>
EMAIL *	PASSWORD:
<input type="text" value="Enter email"/>	<input type="text" value="Password"/>

SUBMIT

Figure 41: Successfully registration

LogIn form

EMAIL *	PASSWORD *
<input type="text" value="jamal@gmail.com"/>	<input type="password" value="....."/>

SUBMIT

Forget password

Figure 42: Customer enter data to the login form




Figure 43: Successfully login to the home page



Figure 44: user information

User Profile



Name: Jamal

Email: jamal@gmail.com

Change Password

OLD PASSWORD *

Old Password

NEW PASSWORD *

New Password

UPDATE PASSWORD

Account Setting

USER NAME *

Enter Name

USER IMAGE *

Choose File

No file chosen

PHONE*

Your Phone

EMAIL*

Enter email

SAVE CHANGES

Activate

Go to Settir

Figure 45: User profile information and change password



Your Order
You have no order yet

Figure 46: User order details



Figure 47: User product whitelist.

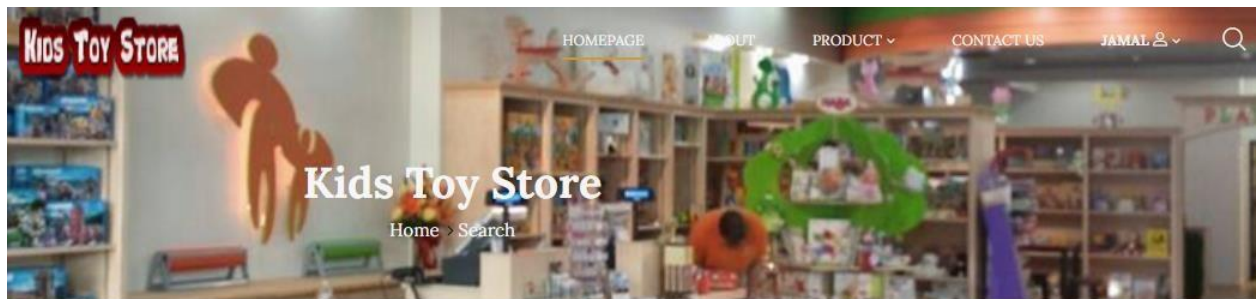


Figure 48: About page

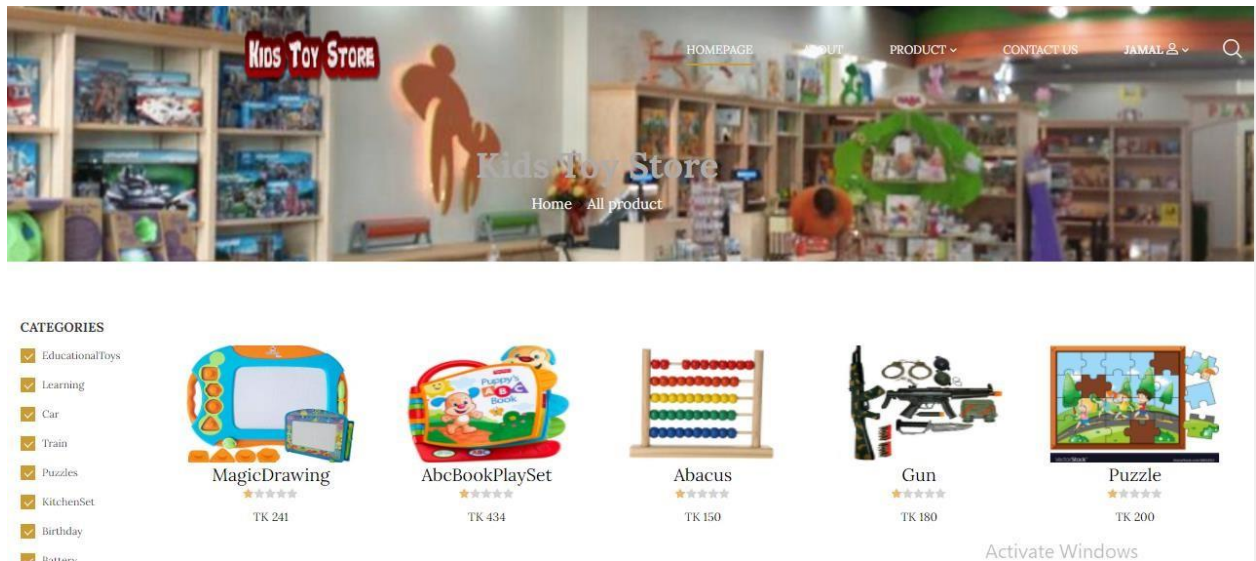


Figure 49: Product List page

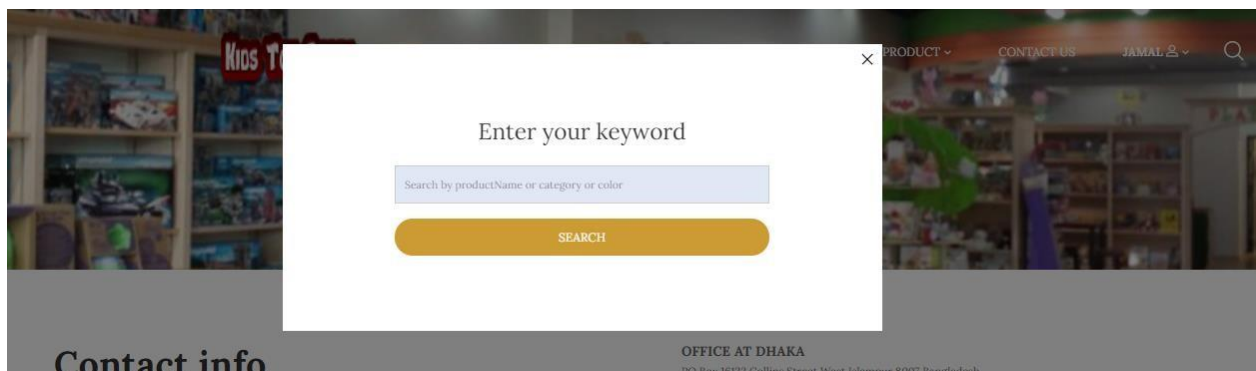


Figure 50: Search product



Figure 51: Individual product overview details

Figure 52: Product review

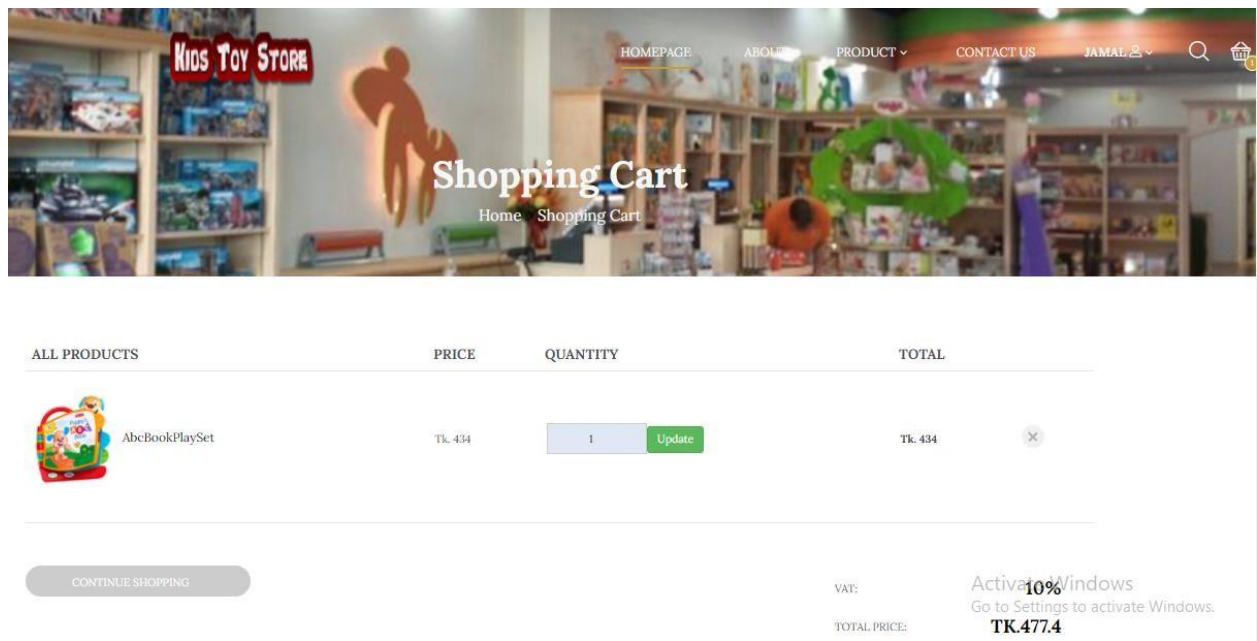


Figure 53: Product Shopping cart

Checkout
Home Checkout

BILLING DETAILS

Name*

Phone*

Email Address*

City*

Zip Code*

Address*

YOUR ORDER

PRODUCT	TOTAL
AbcBookPlaySet x 1	Tk. 434
Card Subtitle	Tk. 434
Vat	10%
Order Total	TK.477.4

PAYMENT METHOD

☒ Cash Payment
Please send your cheque to Store Name, Store Street, Store Town, Store State / County, Store Postcode.

☐ Paypal
Bkash Payment Bkash No : 01751238333
Type: Personal Please send the above Bkash No and write your transaction code below there.

Figure 54: After pressing order Product check out page will come



Figure 55: After completing billing detail and pressing order then successful page come

Figure 56: Contact page

Use For Admin



Admin Login

Email

Password

☐ Forgot Password

Figure 57: Admin login page

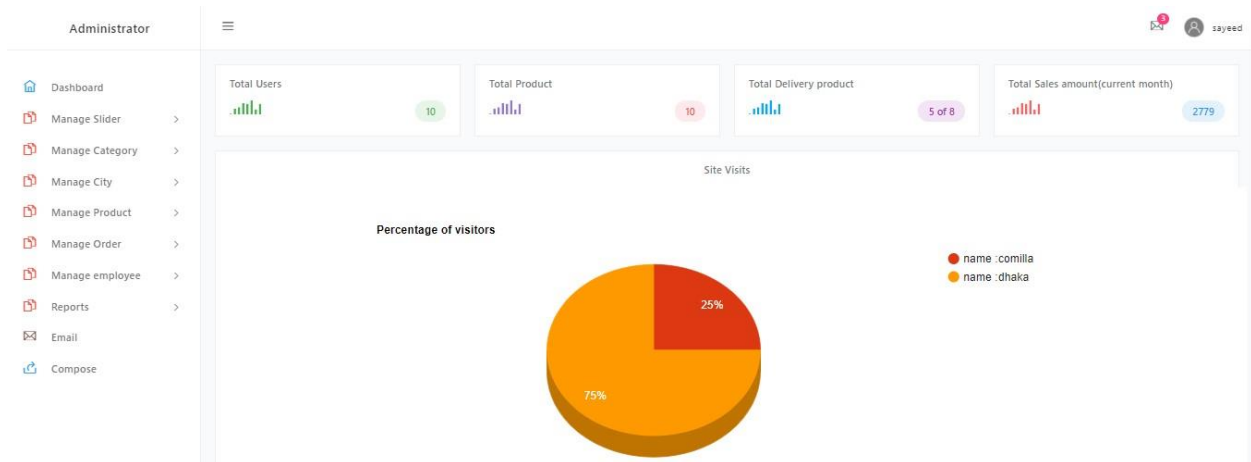


Figure 58: Admin dashboard page

Administrator

Dashboard

Manage Slider >

Manage Category >

Manage City >

Manage Product >

Manage Order >

Manage employee >

Reports >

Email

Compose

Add Slider

Title

Enter Slider Title...

Set Home page image

Choose File No file chosen

Set Other page image(optional)

Choose File No file chosen

Status

Active

Submit

Figure 59: Admin Add Slider

Administrator

Dashboard

Manage Slider >

Manage Category >

Manage City >

Manage Product >

Manage Order >

Manage employee >

Reports >

Email

Compose

Slider List

Data Table

Copy




CSV

Excel

PDF

Print

Search:

SN.	Title	HomeImage	OtherImage	Status	Setting
1	egg		none	inactive	<div> <div></div> <div></div> </div>
2	physics		none	active	<div> <div></div> <div></div> </div>
3	Pain		none	active	<div> <div></div> <div></div> </div>
SN.	Title	HomeImage	OtherImage	Status	Setting

Showing 1 to 3 of 3 entries

Previous

1

Next

Figure 60: Admin Slider list

Administrator

- Dashboard
- Manage Slider >
- Manage Category >
- Manage City >
- Manage Product >
- Manage Order >
- Manage employee >
- Reports >
- Email
- Compose

New Category

Category Name:

Enter Category Name

Submit

Figure 61: Admin Add category

Administrator

Category List

Data Table

Copy CSV Excel PDF Print Search:

SN.	Category Name	Setting
1	EducationalToys	
2	Learning	
3	Car	
4	Train	
5	Puzzles	
6	KitchenSet	
7	Birthday	

Figure 62: Category List

Administrator

sayeed

Dashboard

Manage Slider

Manage Category

Manage City

Manage Product

Manage Order

Manage employee

Reports

Email

Compose

Product Name *

Enter product name

Category *

Select Category

City *

Select City

Content

File Input

Choose Files No file chosen

Price *

price

Quantity *

1

Status

Active

Submit

Activate Windows

Go to Settings to activate Windows.

Figure 65: Admin Add new product

Administrator

sayeed

Dashboard

Manage Slider

Manage Category

Manage City

Manage Product

Manage Order

Manage employee

Reports

Email

Compose

Product List

Copy CSV Excel PDF Print

Search:

ProductName	Category	Content	Price	Quantity	Image	Status	Setting
Abacus	EducationalToys	good....	TK150	1		active	
AbcBookPlaySet	EducationalToys	nice....	TK434	0		active	
Chess	EducationalToys	Chess....	TK2000	100		active	
Gun	Gun	Army Gun....	TK180	189		active	
MagicDrawing	EducationalToys	Good....	TK241	1		active	
Motorcycle	Cycle	Motorcycle Crazy Moto	TK200	18		active	
Puzzle	Puzzles	Elephant Puzzle....	TK200	28		active	
Puzzle	Puzzles	Elephant Puzzle Game....	TK50	98		active	

Activate Windows

Go to Settings to activate Windows.

Figure 66: Admin product list

Administrator

Order List

Data Table

Copy CSV Excel PDF Print

Search:

OrderID	PurchaseItems	Total amount	Payment_type	Transaction_id	Date	Status	Billing_address	Setting
21	view items	66	Cash		2019-11-20 23:54:07	completed	view address	edit delete
22	view items	69	Cash		2019-11-20 23:54:07	completed	view address	edit delete
23	view items	290.4	Bkash	1098	2019-10-23 17:33:31	Pending	view address	edit delete
24	view items	290.4	Bkash	1098	2019-10-23 17:34:21	Pending	view address	edit delete
25	view items	220	Bkash	111	2019-10-23 18:09:08	Pending	view address	edit delete
26	view items	145.2	Cash		2019-10-23 18:22:34	Sifted to supplier	view address	edit delete
27	view items	36.3	Cash		2019-10-23 18:31:28	completed	view address	edit delete
28	view items	110	Bkash	1098	2019-10-23 18:48:25	Pending	view address	edit delete

Figure 67: Admin order list

Administrator

Add Employee

Name *

Enter Name...

Username *

Enter user Name...

Email *

Enter Email...

password *

Enter password...

Select user:

select User Role

Submit

Figure 68: Admin Add new employee

Administrator

User List

Data Table

Copy CSV Excel PDF Print

Search:

Serial No.	Name	City	Zip-Code	Country	Address	Phone	Email	Role	Action
1	Jamal	Dhaka	1204	Bangladesh	01724355665	jamal@gmail.com	OldTown	General	edit delete
2	Kamal	Dhaka	1204	Bangladesh	01843454564	kamal@gmail.com	123abc	General	edit delete
3	SAYEED	Dhaka	1204	Bangladesh	01515263441	Naeem295@gmail.com	5677hjuy99	General	edit delete
4	SAYEED	Dhaka	1204	Bangladesh	01515263441	abusayeed295@gmail.com	5677hjuy99	General	edit delete
5	Ibrahim	Dhaka	6300	Bangladesh	01737328916	mdibrahimk48@gmail.com	Rajshahi	General	edit delete

Showing 1 to 5 of 5 entries

Previous 1 Next

Figure 69: Admin user list

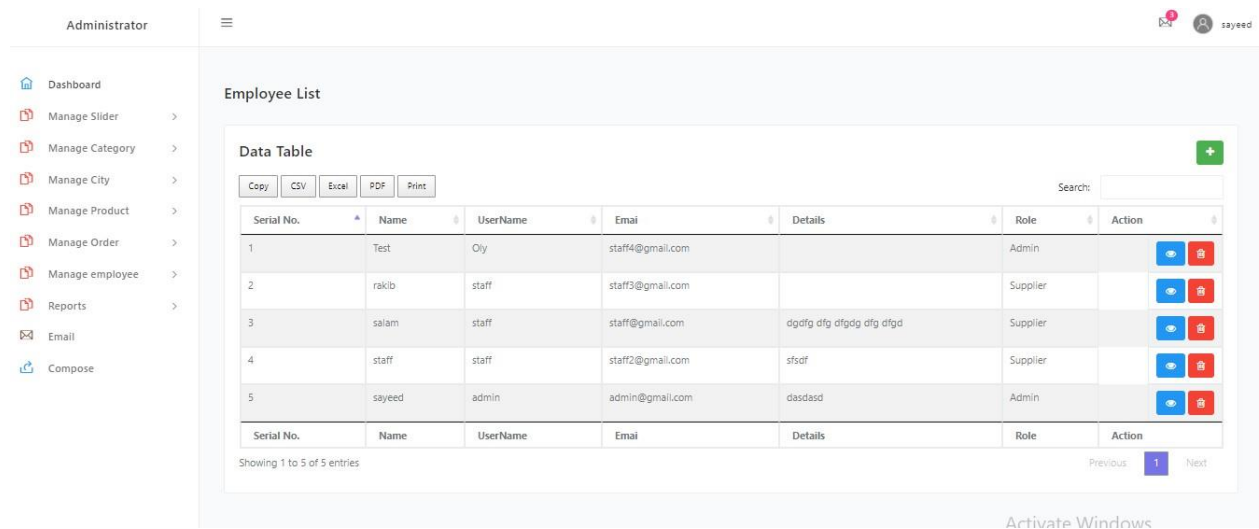


Figure 70: Admin employee list

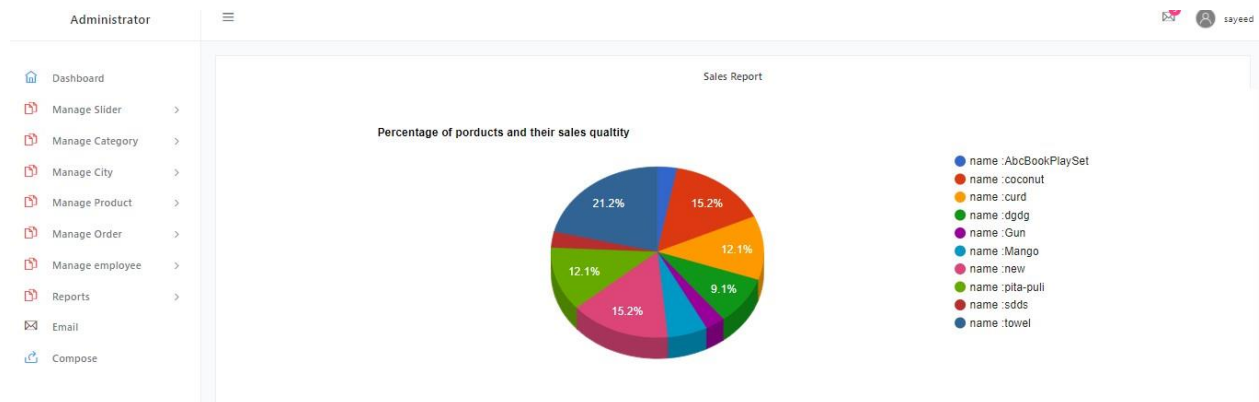


Figure 71: Product sales report

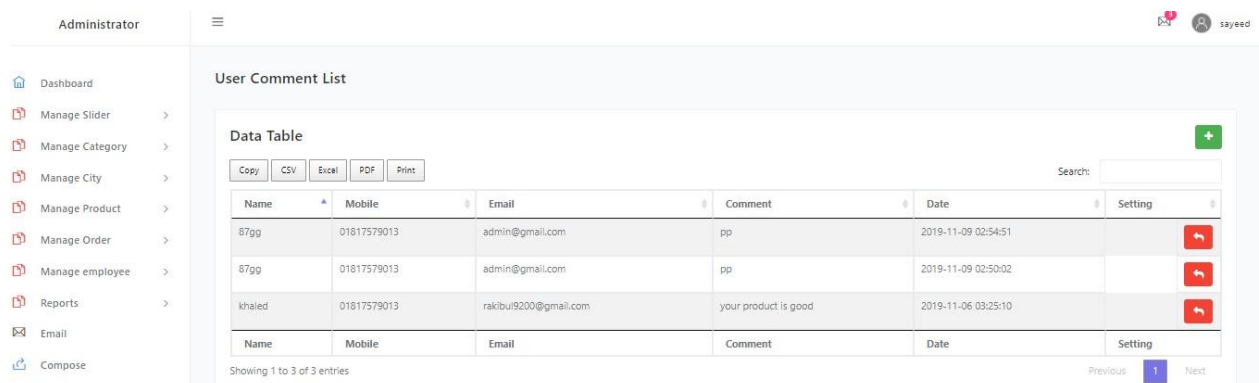


Figure 72: User comment list

Administrator

Dashboard

Manage Slider

Manage Category

Manage City

Manage Product

Manage Order

Manage employee

Reports

Email

Compose

New Message

Inbox

Send Message

Email

jama@gmail.com

Email Subject

File

Choose FileNo file chosen

Say Hi...

Send

Figure 73: User sent email

System code:

System User Registration Code:

```

1  <?php
2
3  //error_reporting(0);
4  if(isset($_POST['signup']))
5  {
6      $fname=$_POST['fullname'];
7      $email=$_POST['emailid'];
8      $mobile=$_POST['mobilenumber'];
9      $password=md5($_POST['password']);
10     $sql="INSERT INTO tblusers(FullName,EmailId,ContactNo,Password) VALUES(:fname,:email,:mobile,:password)";
11     $query = $dbh->prepare($sql);
12     $query->bindParam(':fname',$fname,PDO::PARAM_STR);
13     $query->bindParam(':email',$email,PDO::PARAM_STR);
14     $query->bindParam(':mobile',$mobile,PDO::PARAM_STR);
15     $query->bindParam(':password',$password,PDO::PARAM_STR);
16     $query->execute();
17     $lastInsertId = $dbh->lastInsertId();
18     if($lastInsertId)
19     {
20         echo "<script>alert('Registration successfull. Now you can login');</script>";
21     }
22     else
23     {
24         echo "<script>alert('Something went wrong. Please try again');</script>";
25     }
26 }
27
28 ?>
29
30
31 <script>
32 function checkAvailability() {
33     $("#loaderIcon").show();
34     jQuery.ajax({
35         url: "check_availability.php",
36         data:'emailid='+$("#emailid").val(),
37         type: "POST",
38         success:function(data){
39             $("#user-availability-status").html(data);
40             $("#loaderIcon").hide();
41         },
42         error:function (){}
43     });
44 }
45 </script>
46 <script type="text/javascript">
47 function valid()
48 {
49     if(document.signup.password.value!= document.signup.confirmpassword.value)
50     {
51         alert("Password and Confirm Password Field do not match !!");

```

```

52 document.signup.confirmpassword.focus();
53 return false;
54 }
55 return true;
56 }
57 </script>
58 <div class="modal fade" id="signupform">
59   <div class="modal-dialog" role="document">
60     <div class="modal-content">
61       <div class="modal-header">
62         <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>
63         <h3 class="modal-title">Sign Up</h3>
64       </div>
65       <div class="modal-body">
66         <div class="row">
67           <div class="signup_wrap">
68             <div class="col-md-12 col-sm-6">
69               <form method="post" name="signup" onSubmit="return valid();">
70                 <div class="form-group">
71                   <input type="text" class="form-control" name="fullname" placeholder="Full Name" required="required">
72                 </div>
73                 <div class="form-group">
74                   <input type="text" class="form-control" name="mobilen0" placeholder="Mobile Number" maxlength="10" required="required">
75                 </div>
76                 <div class="form-group">
77                   <input type="email" class="form-control" name="emailid" id="emailid" onBlur="checkAvailability()" placeholder="Email Address"
78                     required="required">
79                   <span id="user-availability-status" style="font-size:12px;"></span>
80                 </div>
81                 <div class="form-group">
82                   <input type="password" class="form-control" name="password" placeholder="Password" required="required">
83                 </div>
84                 <div class="form-group">
85                   <input type="password" class="form-control" name="confirmpassword" placeholder="Confirm Password" required="required">
86                 </div>
87                 <div class="form-group checkbox">
88                   <input type="checkbox" id="terms_agree" required="required" checked="">
89                   <label for="terms_agree">I Agree with <a href="#">Terms and Conditions</a></label>
90                 </div>
91                 <div class="form-group">
92                   <input type="submit" value="Sign Up" name="signup" id="submit" class="btn btn-block">
93                 </div>
94               </form>
95             </div>
96           </div>
97         </div>
98       </div>
99       <div class="modal-footer text-center">
100         <p>Already got an account? <a href="#loginform" data-toggle="modal" data-dismiss="modal">Login Here</a></p>
101       </div>
102     </div>

```

Activate Windows
Go to Settings to activate

System User Login Code:

```
1  <?php
2  if(isset($_POST['login']))
3  {
4      $email=$_POST['email'];
5      $password=md5($_POST['password']);
6      $sql ="SELECT EmailId,Password,FullName FROM tblusers WHERE EmailId=:email and Password=:password";
7      $query= $dbh-> prepare($sql);
8      $query-> bindParam(':email', $email, PDO::PARAM_STR);
9      $query-> bindParam(':password', $password, PDO::PARAM_STR);
10     $query-> execute();
11     $results=$query->fetchAll(PDO::FETCH_OBJ);
12     if($query->rowCount() > 0)
13     {
14         $_SESSION['login']=$_POST['email'];
15         $_SESSION['fname']=$results->FullName;
16         $currentpage=$_SERVER['REQUEST_URI'];
17         echo "<script type='text/javascript'> document.location = '$currentpage'; </script>";
18     } else{
19         echo "<script>alert('Invalid Details');</script>";
20     }
21 }
22 }
23 }
24 }
25 }
26 ?>
27
28 <div class="modal fade" id="loginform">
29 <div class="modal-dialog" role="document">
30 <div class="modal-content">
31 <div class="modal-header">
32 <button type="button" class="close" data-dismiss="modal" aria-label="Close"><span aria-hidden="true">&times;</span></button>
33 <h3 class="modal-title">Login</h3>
34 </div>
35 <div class="modal-body">
36 <div class="row">
37 <div class="login_wrap">
38 <div class="col-md-12 col-sm-6">
39 <form method="post">
40 <div class="form-group">
41 <input type="email" class="form-control" name="email" placeholder="Email address">
42 </div>
43 <div class="form-group">
44 <input type="password" class="form-control" name="password" placeholder="Password">
45 </div>
46 <div class="form-group checkbox">
47 <input type="checkbox" id="remember">
48 Remember me
49 </div>
50 <div class="form-group">
51 <input type="submit" name="login" value="Login" class="btn btn-block">
52 </div>
53 </form>
54 </div>
55 </div>
56 </div>
57 </div>
58 </div>
59 <div class="modal-footer text-center">
60 <p>Don't have an account? <a href="#signupform" data-toggle="modal" data-dismiss="modal">Signup Here</a></p>
61 <p><a href="#forgotpassword" data-toggle="modal" data-dismiss="modal">Forgot Password ?</a></p>
62 </div>
63 </div>
64 </div>
65 </div>
```

Figure 74: System User Login Code

System Admin Login Code:


```

36 <title>| Admin Login</title>
37 <link rel="stylesheet" href="css/font-awesome.min.css">
38 <link rel="stylesheet" href="css/bootstrap.min.css">
39 <link rel="stylesheet" href="css/dataTables.bootstrap.min.css">
40 <link rel="stylesheet" href="css/bootstrap-social.css">
41 <link rel="stylesheet" href="css/bootstrap-select.css">
42 <link rel="stylesheet" href="css/fileinput.min.css">
43 <link rel="stylesheet" href="css/awesome-bootstrap-checkbox.css">
44 <link rel="stylesheet" href="css/style.css">
45 </head>
46 <body>
47 <div class="login-page bk-img" style="background-image: url(img/kids.jpg);">
48 <div class="form-content">
49 <div class="container">
50 <div class="row">
51 <div class="col-md-6 col-md-offset-3">
52 <h1 class="text-center text-bold text-light mt-4x">Sign in</h1>
53 <div class="well row pt-2x pb-3x bk-light">
54 <div class="col-md-8 col-md-offset-2">
55 <form method="post">
56 <label for="" class="text-uppercase text-sm">Your Username </label>
57 <input type="text" placeholder="Username" name="username" class="form-control mb">
58 <label for="" class="text-uppercase text-sm">Password</label>
59 <input type="password" placeholder="Password" name="password" class="form-control mb">
60 <button class="btn btn-primary btn-block" name="login" type="submit">LOGIN</button>
61 </form>
62 </div>
63 </div>
64 </div>
65 </div>
66 </div>
67 </div>
68 </div>
69 </div>
70 </div>
71 </div>
72 </div>
73 </div>
74 </div>
75 </div>
76 </div>
77 </div>
78

```

Figure 75: Admin login code

System Product List Code:

```

58 <section class="page-header listing_page">
59 <div class="container">
60 <div class="page-header_wrap">
61 <div class="page-heading">
62 <h1>Products Listing</h1>
63 </div>
64 <ul class="coustom-breadcrumb">
65 <li><a href="#">Home</a></li>
66 <li>Products Listing</li>
67 </ul>
68 </div>
69 </div>
70 <!-- Dark Overlay-->
71 <div class="dark-overlay"></div>
72 </section>
73 <!-- /Page Header-->
74
75 <!--Listing-->
76 <section class="listing-page">
77 <div class="container">
78 <div class="row">
79 <div class="col-md-9 col-md-push-3">
80 <div class="result-sorting-wrapper">
81 <div class="sorting-count">
82 <?php
83 //Query for Listing count
84 $sql = "SELECT id from tblproducts";
85 $query = $dbh -> prepare($sql);
86 $query->bindParam(':vhid',$vhid, PDO::PARAM_STR);
87 $query->execute();
88 $results=$query->fetchAll(PDO::FETCH_OBJ);
89 $cnt=$query->rowCount();
90 >>
91 <p><span><?php echo htmlentities($cnt);>> Listings</span></p>
92 </div>
93 </div>
94
95 <?php $sql = "SELECT tblproducts.*,tblbrands.BrandName,tblbrands.id as bid from tblproducts join tblbrands on tblbrands.id=tblproducts.ProductBrand";
96 $query = $dbh -> prepare($sql);
97 $query->execute();
98 $results=$query->fetchAll(PDO::FETCH_OBJ);
99 $cnt=1;

```

```

100 if($query->rowCount() > 0)
101 {
102     foreach($results as $result)
103     {
104         <div class="product-listing-m gray-bg">
105             <div class="product-listing-img"> </a>
106             </div>
107             <div class="product-listing-content">
108                 <h5><a href="product-details.php?pid=<?php echo htmlentities($result->id);?>"><?php echo htmlentities($result->BrandName);?> , <?php echo htmlentities($result->Produ
109                 <p class="list-price">$<?php echo htmlentities($result->Price);?>Price</p>
110
111                 <a href="product-details.php?pid=<?php echo htmlentities($result->id);?>" class="btn">View Details <span class="angle_arrow"><i class="fa fa-angle-right" aria-hidden=
112             </div>
113         </div>
114     <?php }} ?>
115 </div>
116
117 <!--Side-Bar-->
118 <aside class="col-md-3 col-md-pull-9">
119     <div class="sidebar_widget">
120         <div class="widget_heading">
121             <h5><i class="fa fa-filter" aria-hidden="true"></i> Find Your KIDS Toy For Your Child </h5>
122         </div>
123         <div class="sidebar_filter">
124             <form action="search-carresult.php" method="post">
125                 <div class="form-group select">
126                     <select class="form-control" name="brand">
127                         <option>Select Toys Brand</option>
128
129                     <?php $sql = "SELECT * from tblbrands ";
130                     $query = $dbh -> prepare($sql);
131                     $query->execute();
132                     $results=$query->fetchAll(PDO::FETCH_OBJ);
133                     $cnt=1;
134                     if($query->rowCount() > 0)
135                     {
136                         foreach($results as $result)
137                         {
138                             <option value="<?php echo htmlentities($result->id);?>"><?php echo htmlentities($result->BrandName);?></option>
139                         <?php }} ?>
140                     </select>
141                 </div>
142             </div>
143             <div class="form-group select">
144                 <select class="form-control" name="fueltype">
145                     <option>Select Kids Toy Type</option>
146                     <option value="Petrol">Tedy Bear</option>
147                     <option value="Diesel">Doll</option>
148                     <option value="CNG">Rubber ducky</option>
149                 </select>
150             </div>
151
152             <div class="form-group">
153                 <button type="submit" class="btn btn-block"><i class="fa fa-search" aria-hidden="true"></i> Search Kids toy for your Child</button>
154             </div>
155         </form>
156     </div>
157 </div>
158
159     <div class="sidebar_widget">
160         <div class="widget_heading">
161             <h5><i class="fa fa-car" aria-hidden="true"></i> Recently Listed Product for Kids toy</h5>
162         </div>
163         <div class="recent_addedcars">
164             <ul>
165                 <?php $sql = "SELECT tblproducts.*,tblbrands.BrandName,tblbrands.id as bid from tblproducts join tblbrands on tblbrands.id=tblproducts.ProductBrand order by id desc limit 4";
166                 $query = $dbh -> prepare($sql);
167                 $query->execute();
168                 $results=$query->fetchAll(PDO::FETCH_OBJ);
169                 $cnt=1;
170                 if($query->rowCount() > 0)
171                 {
172                     foreach($results as $result)
173                     {
174                         <li class="gray-bq">
175                             <div class="recent_post_img"> <a href="product-details.php?pid=<?php echo htmlentities($result->id);?>"> <a href="product-details.php?pid=<?php echo htmlentities($result->id);?>"><?php echo htmlentities($result->BrandName);?> , <?php echo htmlentities
177                             <p class="widget_price">$<?php echo htmlentities($result->Price);?> Price </p>
178                         </div>
179                     </li>
180

```

Figure 76: System product list

Product Booking System Code:

```

85
86
87 <?php
88 $useremail=$_SESSION['login'];
89 $sql = "SELECT * from tblusers where EmailId=$useremail";
90 $query = $dbh->prepare($sql);
91 $query->bindParam(':useremail',$useremail, PDO::PARAM_STR);
92 $query->execute();
93 $results=$query->fetchAll(PDO::FETCH_OBJ);
94 $cnt=1;
95 if($query->rowCount() > 0)
96 {
97     foreach($results as $result)
98     {
99         <section class="user_profile inner_pages">
100         <div class="container">
101             <div class="user_profile_info gray-bg padding 4x4 40">
102                 <div class="upload_user_logo"> 
103             </div>
104             <div class="dealer_info">
105                 <h5><?php echo htmlentities($result->FullName);?></h5>
106                 <p><?php echo htmlentities($result->Address);?><br>
107                 <?php echo htmlentities($result->City);?><span><?php echo htmlentities($result->Country); ?></p>
108             </div>
109             <div class="row">
110                 <div class="col-md-3 col-sm-3">
111                     <?php include('includes/sidebar.php');?>
112                 <div class="col-md-6 col-sm-8">
113                     <div class="profile_wrap">
114                         <h5 class="uppercase underline">My Bookings </h5>
115                         <div class="my_vehicles_list">
116                             <ul class="vehicle_listing">
117
118 <?php
119 $useremail=$_SESSION['login'];
120 $sql = "SELECT tblproducts.Vimage as Vimage,tblproducts.ProductName,tblproducts.id as pid,tblbrands.BrandName,tblbooking.FromDate,tblbooking.ToDate,tblbooking.message,tblbooking.Status from
121 $query = $dbh->prepare($sql);
122 $query->bindParam(':useremail',$useremail, PDO::PARAM_STR);
123 $query->execute();
124 $results=$query->fetchAll(PDO::FETCH_OBJ);
125 $cnt=1;
126
127 if($query->rowCount() > 0)
128 {
129     foreach($results as $result)
130     {
131
132         <div class="vehicle_img"> <a href="product-details.php?pid=<?php echo htmlentities($result->pid);?>">
134             <h5><a href="product-details.php?pid=<?php echo htmlentities($result->pid);?>"><?php echo htmlentities($result->BrandName);?> , <?php echo htmlentities($result->VehiclesfuelI
135             <p><b>From Date:</b> <?php echo htmlentities($result->FromDate);?><br /> <b>To Date:</b> <?php echo htmlentities($result->ToDate);?></p>
136             <div>
137                 <?php if($result->Status==1)
138                 {
139                     <div class="vehicle_status"> <a href="#" class="btn outline btn-xs active-btn">Confirmed</a>
140                     <div class="clearfix"></div>
141                 </div>
142                 <?php } else if($result->Status==2) { ?>
143                     <div class="vehicle_status"> <a href="#" class="btn outline btn-xs">Cancelled</a>
144                     <div class="clearfix"></div>
145                 </div>
146                 <?php } else { ?>
147                     <div class="vehicle_status"> <a href="#" class="btn outline btn-xs">Not Confirm yet</a>
148                     <div class="clearfix"></div>
149                 </div>
150                 <?php } ?>
151             <div style="float: left"><p><b>Message:</b> <?php echo htmlentities($result->message);?> </p></div>
152             </li>
153             <?php } ?>
154         </ul>
155         </div>
156     </div>
157 </div>
158 </section>

```

Figure 77: Product booking system code