



**Daffodil**  
*International*  
**University**

***INTERNSHIP REPORT***

***Software development at Bugsbd Ltd.***

**Submitted by**

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This Project report has been submitted in fulfillment of the requirements for the Degree of  
Bachelor of Science in Software Engineering.

## APPROVAL

This internship titled on “Internship as Software Developer”, submitted by Fokhrul Islam, ID: 181-35-301 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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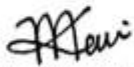
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## Declaration

I am Fokhrul Islam, ID: 181-35-301, student of DIU- Daffodil International University. I am declaring that I have complete the internship in **Bugsbd Ltd.** under the supervisor of **Syeda Sumbul Hossain**, Department of software Engineering. **The Internship of Software development** has been prepared for the partial fulfillment of Practicum of Bachelor Software Engineering. I am also declaring that this report has not been Prepared or submitted previously for any other purpose, reward or presentation by any one rather than me. This is also declared that there is no plagiarism or data falsification and materials used in this report from various sources and site.

### Submitted by:



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**Name: Fokhrul Islam**

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## Acknowledgement

In the name of **ALLAH** who is the most merciful and the most graceful.

I would like to thank my supervisor **Syeda Sumbul Hossain, Lecturer**, Department of Software Engineering. I am extremely grateful and indebted to her for her expert, sincere and valuable guidance and encouragement to me.

I would like to express my sincere thanks to **Dr. Imran Mahmud**, Associate Professor & Head In-Charge of Software Engineering Department for his constant encouragement.

I would like to thank those who helped me in my internship by their important suggestions. I am really pleased and proud to express my feeling of gratefulness and profound respect to our respected faculties of the Department of Software Engineering, for taking this opportunity.

Finally, I wish to thank my parents who have been a great source of inspiration to me. Without their support, I would not have reached where I am today.

## Executive Summery

I select Bugsbd [1] for the cause that I see this opportunity as a way to make a contribution to a quick-transferring company and I enjoy I can do my first-rate with the skills and ability I have.

This company is internationally recognized for the technical products it develops, and as a software program application developer, this feature has piqued my interest because of my coding background and the development of new products features.

I have usually been pleased by the extent of innovation and development of this company. I specifically recognize their determination to the software application industry, which includes providing free demos to clients so we can learn how to make use of a product successfully. I noticed that Bugsbd [1] built numerous highly-secured software programs. I might want to be a part of this forward-thinking team and make a contribution to my skills to continue the floor-breaking work you're doing here. finally, I am here as a developer for this company.

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## CHAPTER 1: INTRODUCTION

## 1.1 Background

Internships supply students with the opportunity to conform to their real life and the real world outside. The skills they have acquired during the internship will help them to acquire more knowledge and will be able to apply that knowledge in real life. This achievement helps a lot in the way of life.

Daffodil International University offers glorious opportunities for students to do internships through their undergraduate programs. As one of the students in the software department, I am one of the lucky ones to have the opportunity to do an internship. The inspiration for an internship is to focus on Clint's psychosocial, recreational, professional skills in human service, and social living skills. As a student in the software department at Daffodil International University, I have gained a lot of skills in the last 3.5 years and have completed a lot of web development work and a lot of web design work. I got an opportunity to do an internship as a web developer at Bugsbd [1] Limited. This internship has given me the opportunity to become more proficient in web development. Overcoming many obstacles and dealing with new technology, I discovered new possibilities in myself.

## 1.2 Motivation

The goal of my internship is to develop my knowledge and give me the opportunity to become more proficient. It is not possible to acquire all the knowledge and skills through an academic curriculum. I have gained a lot of skills as a web development intern and gained many unknown points through it which was very difficult for me. Another reason to choose an internship is to acquire skills to deal with difficult problems in real life. On this internship journey, I am extremely grateful to my supervisor for giving me the opportunity to acquire skills to deal with difficult real-life issues.

### 1.3 Objectives

The main objectives as a web utility developer are given-

- ❖ Face the actual-lifestyles problem and find the answer for it.
- ❖ Capability to design and expand complicated web applications.
- ❖ Able to paintings with a crew and
- ❖ To handle the complete pastime of a web application.

Following this objective, I attempted my best to solve all my problems. By fixing this problem I have gained the skills to face all the troubles in actual life.

#### 1.3.1 Wide Objectives

Most of the work in current life is web-based. At present we want a secure and standard web application. So, I chose Bugsbd [1] Limited Company for the internship in which they create secure and best applications. At the beginning of my internship, I faced many problems which in addition superior my skills. While the company assigned me a task which I could not complete properly. but my colleagues were very useful and I was able to complete my work by working with them. It becomes very hard for me to work with them for the first time. Later, working with the team, it has become much easier to understand my work. Running with the team, I did no longer have a great deal of hassle adapting to the workplace surroundings, it gave me the possibility to advantage loads of capabilities to work as a group.

#### 1.4 Scope

The main cause of my internship is to develop my software program-based skills, which will enable me to work in opposition to all the issues in real lifestyles. With the assist of software program-based work skills, I can make my activity life profile extra efficient. acquiring those skills will help me get to my next job. Other than this, I will be capable of gathering the skills of

maintaining all styles of rules and regulations of an office, working in a team way, being helpful, and many others, all kinds of office-related work.

Also, I had a lot of choices to work in Bugsbd [1] limited company and through an internship, I was given the opportunity to accumulate this skill, so I would love to express my gratitude to Bugsbd [1] company.

## CHAPTER 2: COMPANY OVERVIEW

## 2.1 About My Company

Bugsbd[1] set up in 2015 is a multifunctional organization for constructing complex business systems. software architects and developers function the crew to build, promote and aid software programs globally.

we are scattered throughout six countries and different time zones, doing our job when it is most convenient for us. Bugsbd [1] limited has successfully completed over 80 projects inside the previous 6 years. The original concept for us to upward push up to our current role came from facing new troubles and finding a unique answer to them.

Bugsbd [1] limited executed named one of the greatest service provider vendors in 2018. we're constantly totally centered on high-quality, value-effective software development and service execution.

### 2.1.1 Company Mission

Our challenge is to increase the business increase of our customer's commercial enterprise. We need to supply high-quality answers, create cost and dependable aggressive possibilities for our customers around the world. Our task is to offer you with most advantageous solutions with the best at affordable fees. We give priority to purchaser pleasure. We cope with our customers in a friendly way and it facilitates us maintain present clients and make bigger the customer circle. we're always running on the development of the high-quality of our products by using innovating new thoughts.

### 2.1.2 Company Vision

Our vision is to increase in a continual machine and expand as a primary IT provider business enterprise to come to be a primary performer. We need to provide excellent internet and software application improvement solutions inside the aggressive international marketplace. Our

expert, flexible, and the protected machine is a mirrored image of what we do. We usually show tips to our customers to be successful. we are able to improve and speedy percent the brilliant products or works of your company or business organization.

### 2.1.3 Company History

**2014-2016:** Bugsbd [1] changed into integrated in 2014 inside the name of Aerolith solution. for the reason that organization progressively introduced more modern dimensions in presenting quality services, the employer now stands as Bugsbd [1].

**2016-2017:** Bugsbd [1] worked on the improvement procedure required to be one of the fine service-providing companies. We furnished offerings to customers country-wide and foreign places. going through new demanding situations and locating a completely unique answer for them turned into the preliminary concept for us to arise to our present function.

**2018-Present:** Currently, Bugsbd [1] information is covering technological know-how and tech information from all around the world. Bugsbd [1] keep has a large series of topics and templates for your usage in any form of the internet site in alternate for an affordable charge. Bugsbd [1] Host is a web hosting organization that allows you to have a place in your files to be living in the network. All three groups are perfectly maintained with the aid of Bugsbd [1] tender making sure a wide range of services and facilities for you.

#### 2.1.4 Location

Bugsbd [1] Ltd. is located 1/C (5th floor) Road# 1, Shyamoli, Dhaka, Bangladesh.

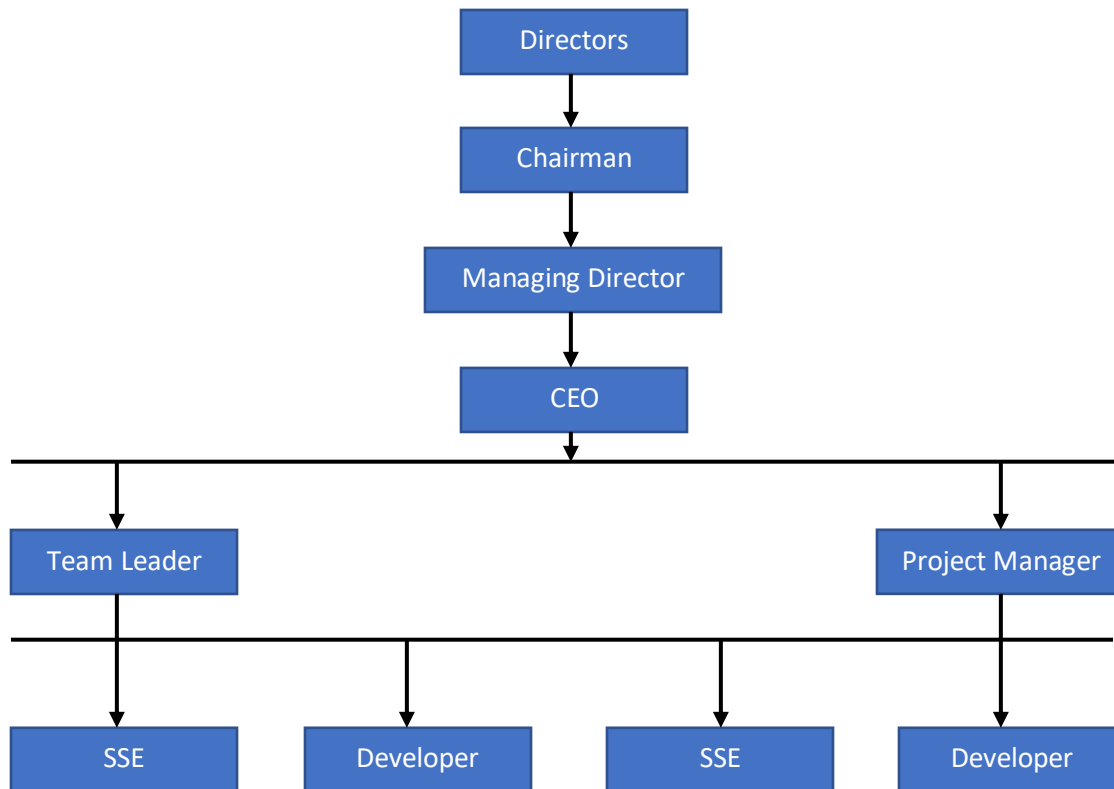
Phone: +880 1889-975511.

Email: [info@bugsbd.com](mailto:info@bugsbd.com)

#### 2.1.5 Management

This company makes decisions in collaboration with all workgroups of workers. Our company handles the company's clients in a totally orderly manner. The advanced authority treats the personnel of the company in a pleasant manner. Our organization is beginning the adventure in an excellent and orderly way.

#### 2.2 Organogram



**Figure 2.2:** Organogram



## 2.3 Services of Bugsbd Ltd.

The main company responsibilities are given below:

### **Development Services**

- Web Development
- Graphic Design
- Web Design
- Cyber Security
- Mobile App Development

### **Security Services**

- Network Security
- Database Security

## 2.4 Company Clients

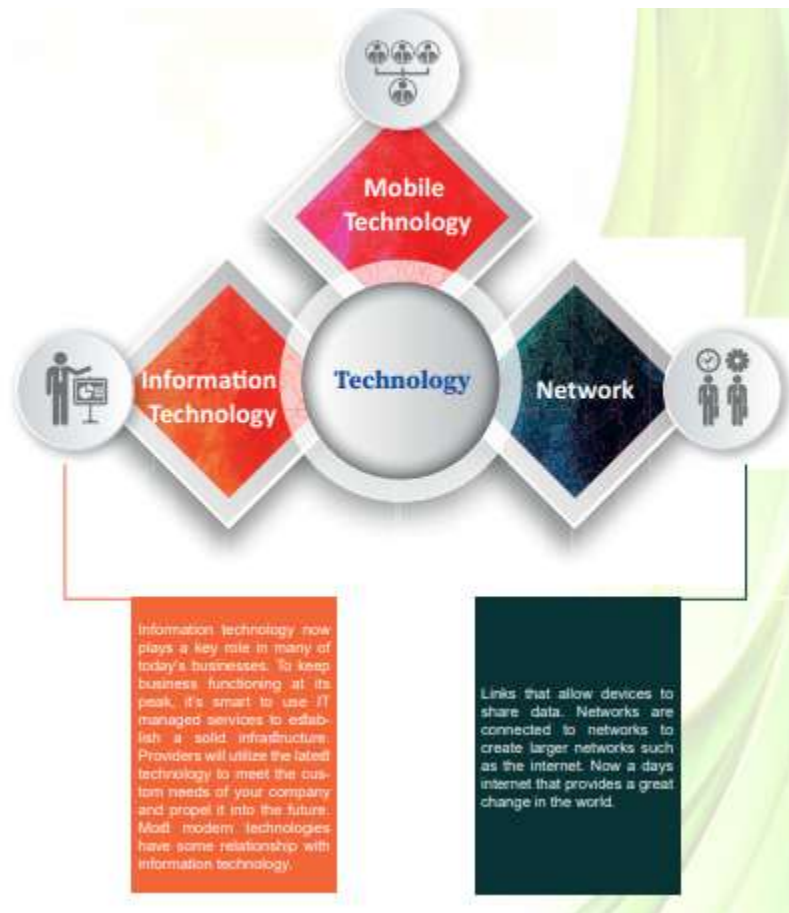
Below are some clients:

- Tallykhata
- Surecash
- A2i
- Elimited Limited
- Ekpay
- Jomi
- Shikkhok Batawon
- Muktopaath
- Daffodilvarsity
- SDC Tracker
- Altex Coatings Limited
- Aefreelancer



Figure 2.4: Client's logo

## 2.5 Company types of technology



## CHAPTER:3 COMPANY CULTURE AND EXECUTION

### 3.1 Department Overview

In Bugsbd [1] Ltd. we've 3 departments for running our organization.

**The ones are- management department:**

The management branch controls the whole lot. every branch is below this management department. All styles of operations are operated through this branch.

**Software development branch:**

We developed our customer software program below this department. all of the builders are below this department.

**Advertising and marketing branch:**

Our company doing advertising and marketing via this branch. This branch additionally offers after-sale carrier to the customers.

### 3.2 Working Team

Every branch has extraordinary teams in accordance with the basis of their work. No work can be executed by using one person. Everyone has his work limited to his very own branch. personnel who recognize the work of the branch are assigned to work in that branch. employees in each branch of our company work individually.

### 3.3 Protocols and Working Environments

Work great and work speed are controlled primarily based on the environment. Our workplace environment is superb so workplace work may be finished well. Our office colleagues are very helpful. every worker has his very own desk. Our company offers us the necessary matters for the personnel.

### 3.4 Regulations and Rules

Each company has different rules. Many of our company's rules and regulations go through. Employees work according to those rules. We get our work done by following the rules.

#### 3.4.1 Office Time

Our company's office hours are from 10 am - 6 pm. In between, we were given a break for lunch afternoon snacks. Employees of the organization must be present inside the company on time.

#### 3.4.2 Responsibilities

Anyone is assigned to his own work, so he has to be responsible for his very own paintings. there may be a few extra duties like -

- One need to not be careless with, equipment and device ensuing in damage to office assets.
- As soon as feasible, any considerable loss or harm to employer belongings need to want to tell.
- Other private matters need to know not be touched with his permission.
- Have to care about organizational assets to which you have not been assigned.
- without my group leader's permission, I do no longer have left.
- In an emergency, leave must want to inform the CEO through a smartphone.

#### 3.4.3 Meeting

All the work of our company is done through team decision. For this reason, it is imperative that the employee of the department on which the decision will be taken must attend the meeting. The meeting discussed the improvement of the company.

### 3.5 Handling Clients

The simple premise of an organization is to manage the client properly. Every company handles its clients consistently with its own guidelines. Each organization works in keeping with its own regulations to manage its customers. Every Client picks out different companies in step with their needs. The client chooses the company in which a client can understand and take his work according to the quality of his work and that work will be useful and secure. So, the group of workers of our employer collects the necessary information from the client very easily so that the work is easily standardized, secure and beneficial. Our company takes all kinds of projects for the satisfaction of the client.

### 3.6 Facilities

Facilities of the Bugsbd [1] Ltd. is-

- Occasional holiday.
- Own family holiday.
- Lunch & Snacks.
- Occasional bonus.
- More time with an extra treat.

there's a -week off day to that company.

### 3.7 A Comparison of Office Cultures

Certainly, one of the good things about our company is that it offers fresher employees an internship. Our company is an excellent company in comparison to other companies because new employees are very helpful to decorate their skills. The department of our company employs a suitable staff of that department.

All company decisions are made on a team foundation so that new employees can participate in these conferences. That new worker can understand that I'm no different from my company.

### 3.8 Refreshments & Entertainment

Our office environment is very beautiful and fantastic. we have a separate environment in our office where refreshments can be taken, relaxation may be finished and there is additionally a play area. We actually have a big screen in our workplace where everybody can watch sports and entertainment together. We come here for refreshments while the workload is high. boring times make our work environment active.

### 3.9 Improving Motivation and Capability

When a fresher begins his work in a new company, that worker has to face many problems. inspiration is needed to overcome that hassle. for example, I've received a lot of help from my office colleagues and my workplace supervisor to solve the problems that I have faced and they have inspired my work. My supervisor and my colleagues are very helpful. Because then I have been inspired to deal with the worst conditions and regardless of that, I am doing my task well.

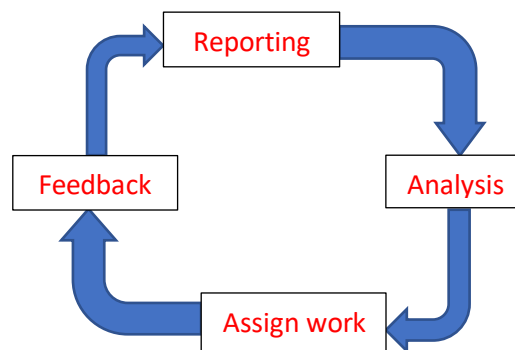


## CHAPTER 4: INTERNEE LIFE

## 4.1 The First Day at Work

I used to be very curious on the 1st day of my office. I used to be a fresher in the workplace. I didn't know every person well. But my colleagues have been very friendly and really helpful. They gave me a lot of support. I spent my first day inside the workplace with a lot of pleasure.

## 4.2 Life Cycle



**Figure 4.1:** *Life Cycle*

## 4.3 Motivates to Internship

I select Bugsbd [1] for the reason that I see this possibility as a manner to contribute to a quick-transferring employer and that I experience I can do my best with the skills and ability I have.

This employer is internationally recognized for the technical products it develops, and as a software program developer, this function has piqued my interest because of my coding background and the improvement of new products features.

I have continually been pleased by the level of innovation and development of this company. I especially respect their dedication to the software program industry, which includes providing free demos to customers so we can learn how to make use of a product successfully. I noticed

that Bugsbd [1] built numerous highly-secured software programs. I'd want to be a part of this forward-thinking crew and contribute my skills to continuing the ground-breaking work you're doing here. finally, I'm here as a developer for this company.

#### 4.4 Offer Letter

### OFFER LETTER FOR INTERNSHIP

Sub: Offer Letter for the position of "Junior Software Developer".

\*\*\*

Dear ~~Fokhrul~~Islam,

Following our recent discussions, we are delighted to offer you the position of "Junior Software Developer" as intern. We would like to take this opportunity to welcome you to become part of a ~~fastpaced~~ dedicated global team.

As a member of our ~~BugsBD~~ Software Development Team, we would ask for your commitment to deliver outstanding quality and results. In addition, we expect your personal accountability in all the products, services, actions, advice and results that you provide as a representative of *Our Organization*. We are committed to providing you with every opportunity to learn, grow and stretch to the highest level of your ability and potential.

We are confident you will find this new opportunity both challenging and rewarding. The following points outline the terms and conditions we are proposing.

1. Date of Joining: 14 July, 2021
2. Work hours: 35 Hours/week
3. Office hours: Sunday to Thursday: between 10:00 AM to 6:00 PM (Flexible)
4. Type of Job: Remote Job (Intern).
5. Expertise of language: PHP (Laravel Framework).

*Your Cyber Security Partner*

Please convey your acceptance for this letter of appointment and the terms and conditions contained herein by signing the second copy of this letter and returning the same to the Company.

|

Wish you all the best.

*Delwar Alam*  
Delwar Alam  
Managing Director  
~~Delwar Alam~~

Managing Director  
BugsBD Limited

Terms and conditions

1. Be it clearly understood and agreed that as a full-time remote job employee.
2. Your duty hours shall be specifying assignment based which can be changes according to the convenience of the Management and for exigencies of work purely at the sole discretion of the Management.
3. You can resign within 7 days of start working depending your interest.
4. You will be responsible for carrying out your work as assigned to you to the entire satisfaction of the Management.
5. You cannot switch job before confirming. You should inform minimum 2 month ago for resign or switching job.
6. You will be punctual and regular in your duties and will not absent yourself without prior permission of the Management.
7. The Management shall have every right to terminate your services at any time without assigning any reasons therefore by giving you one week's notice or salary in lieu thereof.

I accept the above offer of appointment for the post of "Junior Software Developer" as intern with all the terms and conditions contained herein and join the service of the Company.

Name: Fokhrul Islam Signature:



**Figure 4.4:** Internship offer letter

#### 4.5 Recruiting Procedures

Every company hires employees consistent with different regulations. similarly, Bugsbd [1] limited companies additionally follow their guidelines and hire their employees. after I applied to the Bugsbd [1] company they mailed me and requested me to go to the workplace for Viva. They took my viva and that they gave me an offer on July 10, 2021. The Bugsbd [1] company hired me

as a software developer. They told me that if I may want to perform well, I would become permanent in their company.

#### 4.6 Why I'm at this employer

The reason I am in this company is:

- Worldwide recognized
- Speedy-transferring organization
- Dedication to the software program company
- The progressive and ahead-wondering team
- Developer and person-pleasant enterprise.
- Passionate

#### 4.7 Getting Started

I started my profession on July 14, 2021, as an intern at Bugsbd [1] limited company. I was hired as an internet developer at Bugsbd [1] company. Through this internship, I've further improved my career abilities, the skills I have received in the new environment for you to play a very beneficial role in my career. I've executed this internship in my working lifestyle. I am very proud that I was given the possibility to do an internship at Bugsbd [1] company.

#### 4.8 My Rules & Responsibility an Intern

- Develop information systems through designing, growing, and Deploying software solutions.
- Creates software by learning records wishes, discussing with customers, researching device flow, data Use, and work methods.
- Analysis of capability issues
- Following the software improvement Lifecycle.

- Develops Documentation, Flowcharts, Layouts, Diagrams, Charts, Code feedback, and smooth Code to describe and Illustrate solutions.
- Connecting to Designing and software development device.

#### 4.9 Some Assign Task

The screenshot displays the BugsBD task management interface. On the left is a dark sidebar with navigation options: Welcome Fokhrul, DASHBOARD, FILE SHARING, CHAT (0/0), MAILBOX, ZOOM MEETING, CALL LOGS, PROJECTS, TASKS, SUPPORT, LEADS, UTILITIES, and CUSTOM EMAIL/SMS. The main content area features a 'NEW TASK' button, a 'SWITCH TO KANBAN' button, and a 'TASKS OVERVIEW' button. Below this is a 'Tasks Summary' section with five cards: Not Started (0), In Progress (9), Testing (0), Awaiting Feedback (0), and Complete (7). Each card shows 'Tasks assigned to me: 0'. A table below the summary lists tasks with columns for checkbox, ID, Name, Status, Start Date, Due Date, Assigned to, Tags, Priority, and Task bookmarks. Two tasks are visible: 'Configure your local System' (ID 8, In Progress, Due 2021-09-19) and 'People [Add Customer]' (ID 21, In Progress, Due 2021-09-26). A blue chat window for 'BugsBD Limited' is open in the bottom right corner, showing 'Online: 0'.

The screenshot displays a task management interface. On the left, a sidebar lists navigation options: CALL LOGS, PROJECTS, TASKS, SUPPORT, LEADS, UTILITIES, and CUSTOM DASHBOARD. The main area shows a table of tasks with the following columns: #, Name, Status, Start Date, Due Date, Assigned to, Tags, Priority, and Task bookmarks. The tasks listed are:

#	Name	Status	Start Date	Due Date	Assigned to	Tags	Priority	Task bookmarks
8	Configure your local System #5- Inventory Management System - BugsBO Limited	In Progress	2021-09-19		3 users		Medium	
21	People (Add Customer) #5- Inventory Management System - BugsBO Limited <a href="#">Start timer</a>   <a href="#">Edit</a>   <a href="#">Delete</a>	In Progress	2021-09-26		2 users		Medium	
22	People (View Customer list) #5- Inventory Management System - BugsBO Limited	In Progress	2021-09-26		2 users		Medium	
23	Report (Customer Report) #5- Inventory Management System - BugsBO Limited	In Progress	2021-09-26		2 users		Medium	
24	HRM (Add Holiday) #5- Inventory Management System - BugsBO Limited	In Progress	2021-09-26		2 users		Medium	

At the bottom right, a chat window for 'BugsBO Limited' is visible, showing 'Online: 0' and search, settings, and chat icons.

**Figure 4.9:** Some assign task demo

## CHAPTER 5: Technology Using



## 5.1 Technology & Tools

All the tools and technologies I use at work:

- Language & framework – php 7.4, Laravel 7
- Feature: HTML 5, CSS 3, JavaScript ES6
- Database: MySQL –xampp 7. 4 Vs code
- Project management device: Bugsbd CRM
- Methodology: Agile
- Model control tool: Bitbucket & Git

## 5.2 Facilitated Technologies

Our company makes use of technology that performs a totally beneficial role. Our company follows agile SDLC to facilitate web development, web design, and software engineering and design. Bugsbd [1] uses CRM for project management, Bitbucket, and GitHub for quick code sharing. The company uses Zoom for online meetings and Google docs for company reviews.

## 5.3 Use of technology

The technology that our company uses for UI layout and database may be very helpful for our task. Our company makes use of Figma & Adobe XD for UI design. This isn't always a problem for our project design. We use MySQL databases to insert and store data. i use the Laravel Framework to connect the UI and the database. uses Ext js in JavaScript programs. we can without problems and quickly finish admin work using the Voyager Laravel package.

## 5.4 Logistic Support

Logistics support performs an important role in software program development and software improvement. supplying elements of logistic support just like the prototype, programming skills, model layout, UI design, system analysis, and many others. are made. At the beginning of the creation of the software, a group of our project meets with the client and gathers the necessary requirements. Then we make a sample of a UI design of that project and show it to the customer. If the client sees our project layout and needs to change something, we try to change it. on this, we have very good knowledge with the client and the customer's mindset in the direction of us is good. We do all this work with the help of our team.

## CHAPTER 6: CURENT PROJECT

## 6.1 Introduction

This phase gives an outline of the whole thing included in this task and discusses a number of the advantages.

### 6.1.1 Project Overview

The project we're currently working on is the inventory management system and eCommerce website online. in which the client can without difficulty buy the required items from the eCommerce site and the customer can add to cart and supply cash online. This project has all of the necessary items taken care of through category. customers may be capable of reviewing eCommerce companies through this project.

I'm the usage of the Laravel voyager package in the admin panel of the eCommerce project. it is very easy to complete the work of the admin. Admin can easily delete inserted updates through the voyager package.

This eCommerce project is a totally popular and beneficial project in Bangladesh.

### 6.1.2 Goal

The purpose of an eCommerce site is to sell products on-line. it is a website that lets in customers to easily buy the products they need on-line. customers can without difficulty purchase their required products and make cash on-line. The goal of eCommerce web site transport is to deliver the purchaser the product they need in their hands.

### 6.1.3 Stakeholder

There are types of stakeholders in the “eCommerce” project. consisting of:

- Customers. Stake: Product/service high-quality and price.

- Manager. Stake: Manager project manage and protection.
- Investors. Stake: economic returns.
- Suppliers and providers. Stake: revenues and protection.
- Communities. Stake: fitness, protection, economic improvement.
- Gov. Stake: Taxes and GDP.
- Admin Stake: Update, delete, insert product.

Here is a short description for stakeholders:

Customer: The customer can buy his required products through eCommerce.

Manager: The manager can manage projects on this website.

Admin: The Admin can update, delete, insert product & price in this website.

#### 6.1.4 Project Schedule

Activates	Duration	Total
Collect project requirements and do research on requirements.	Week:1, Week:2	2
Design the database by following the requirement	Week:2	1
Design Use case Diagram, Activity Diagram, ER Diagram, Class Diagram	Week:3, Week:4	2
Create eCommerce UI design	Week:4, Week:5	2
Create Login & Registration page	Week:6	1
Create eCommerce home page & About page	Week:7	1
Create Shop page, Contact page & Blog page	Week:8	1

**Table 6.1.4:** *Project Schedule*

## 6.2 Requirement Analysis

Requirement analysis is an important part of providing software. The structure of the software is based on requirement analysis. Determines the requirements of software on Requirement analysis. An application is standardized based totally on the requirements of the client through Requirement analysis. The want for requirements analysis is great to make good quality software.

### 6.2.1 Requirement Gathering

The Bugsbd [1] company follows a few techniques for requirement gathering. The Bugsbd [1] company brainstorming, creates questionnaires, meeting with customers, and collecting requirements thru customer observation. I meet with the project manager of the company and get the necessary information. Then I meet with the client and gather the necessary information.

### 6.2.3 Feature of Current Project

Below are a number of the features of eCommerce:

- Admin panel
- Admin Product page
- Admin Shopping Cart
- eCommerce Login page
- eCommerce Registration Page
- eCommerce Home Page
- eCommerce Shop Page
- eCommerce Blog Page
- eCommerce About Page
- eCommerce Contact Page
- eCommerce Shopping Cart Page
- eCommerce Product Details Page

- eCommerce Order Details Page
- eCommerce Order History Page
- eCommerce Account Settings Page
- eCommerce Wishlist Page
- eCommerce Error404 Page

#### 6.2.4 Functional Requirement

Functional requirements are important and mandatory for any project. below are a few functional requirements for this system:

ID: FR-01
Requirement Name: User Login
Description: User can login in this system.

**Table 6.2.4.1: Login**

ID: FR-02
Requirement Name: User Registration
Description: User can Registration in this system.

**Table 6.2.4.2: Registration**

ID: FR-03
Requirement Name: User Logout
Description: User can logout in this system.

**Table 6.2.4.3: Logout**

ID: FR-04
Requirement Name: View Product
Description: User can view product in this system.

**Table 6.2.4.4: View Product**

ID: FR-05
Requirement Name: Select Product
Description: User can select product in this system.

**Table 6.2.4.5: Select Product**

ID: FR-06
Requirement Name: Add to Cart
Description: User can Add to cart in this system.

**Table 6.2.4.6: Add to Cart**

ID: FR-07
Requirement Name: View Product details
Description: User can view product details in this system.

**Table 6.2.4.7: Product Details**

ID: FR-08
Requirement Name: View Order details
Description: User can view Order details in this system.

**Table 6.2.4.8: Order Details**

ID: FR-09
Requirement Name: View User Dashboard
Description: User can view user dashboard in this system.

**Table 6.2.4.9: User Dashboard**

ID: FR-10
Requirement Name: View Blog List
Description: User can view blog list in this system.

**Table 6.2.4.10: Blog List**

ID: FR-11
Requirement Name: View About us



Description: User can view about in this system.
--

**Table 6.2.4.11:** *About Us*

ID: FR-12
Requirement Name: View Contact us
Description: User can view Contact us in this system.

**Table 6.2.4.12:** *Contact Us*

### 6.2.3 Non-Functional

Below are some Non-Functional Requirements of this system:

#### **Security**

Login requirements – CRUD levels, Get the right of entry to levels.

Password requirements – Duration, Unique characters, expiry, recycling guidelines

State of being inactive timeouts – Periods, Motion.

#### **Availability**

Hours of operation – Take into account weekends, Holidays, maintaining time.

#### **Capacity**

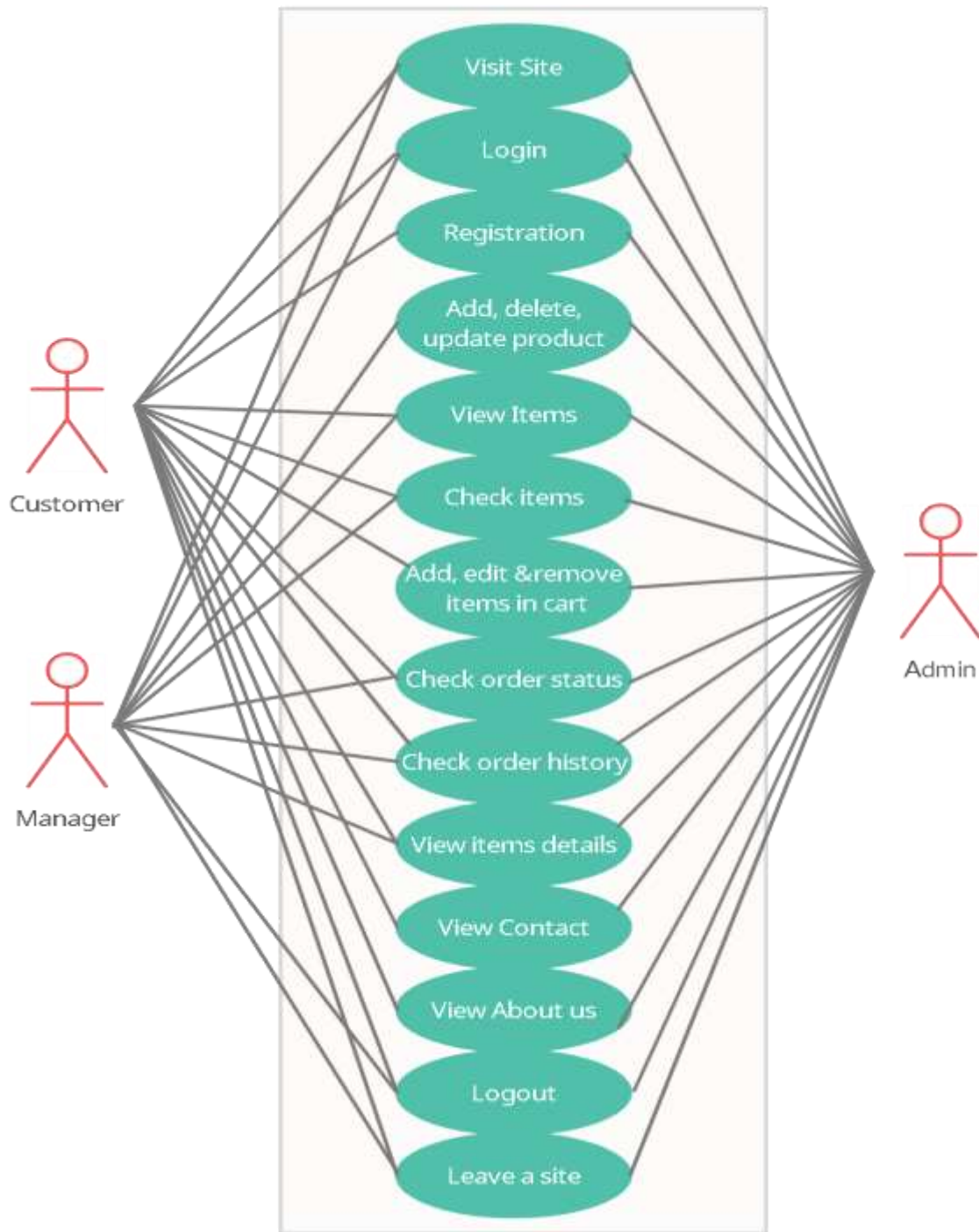
Storage - The system is capable of storing huge data.

#### **Integrity**

Capacity – The broad capacity document can compress in this system.

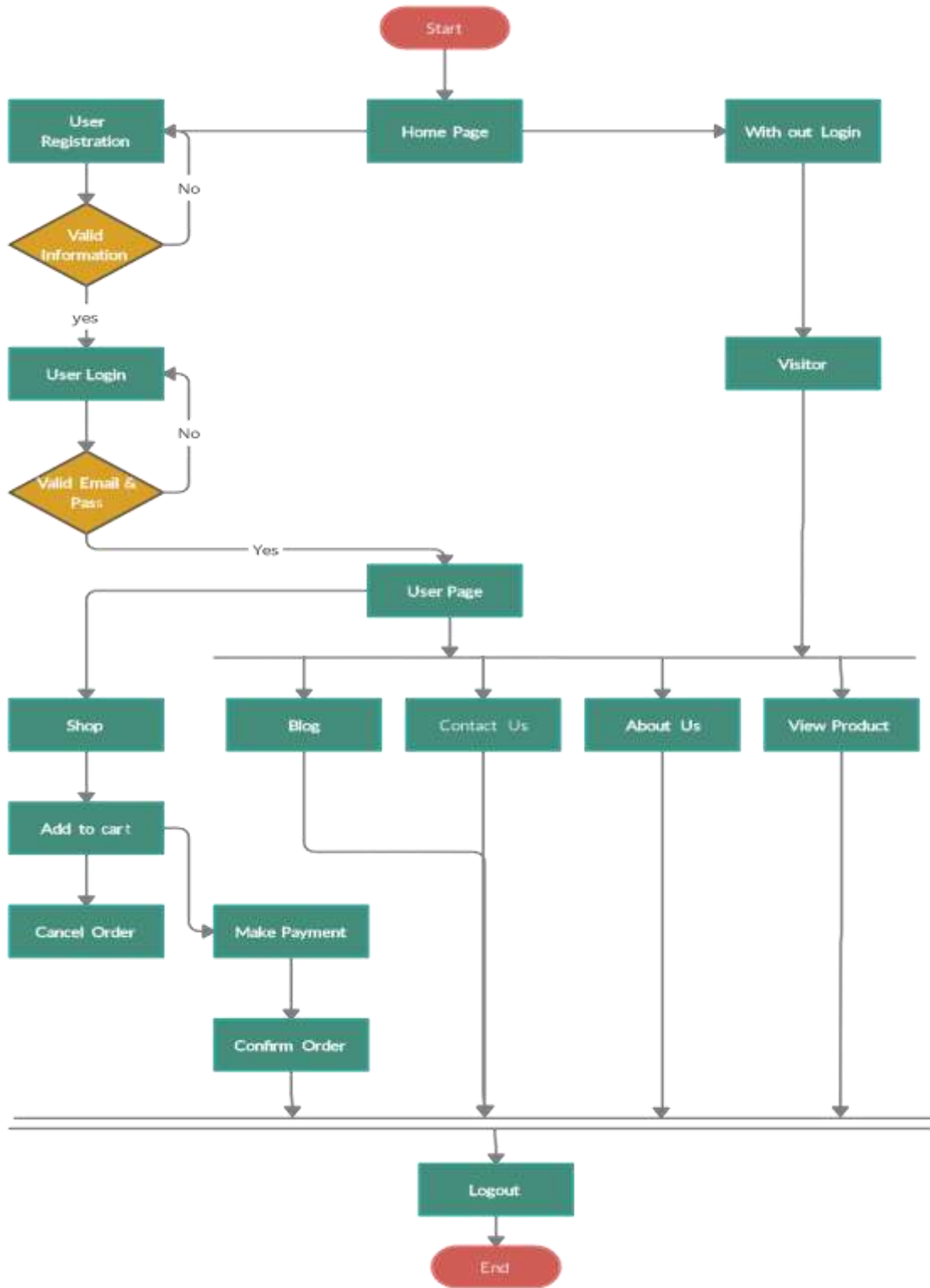
## 6.3 System Analysis & Design

### 6.3.1 Use Case Diagram



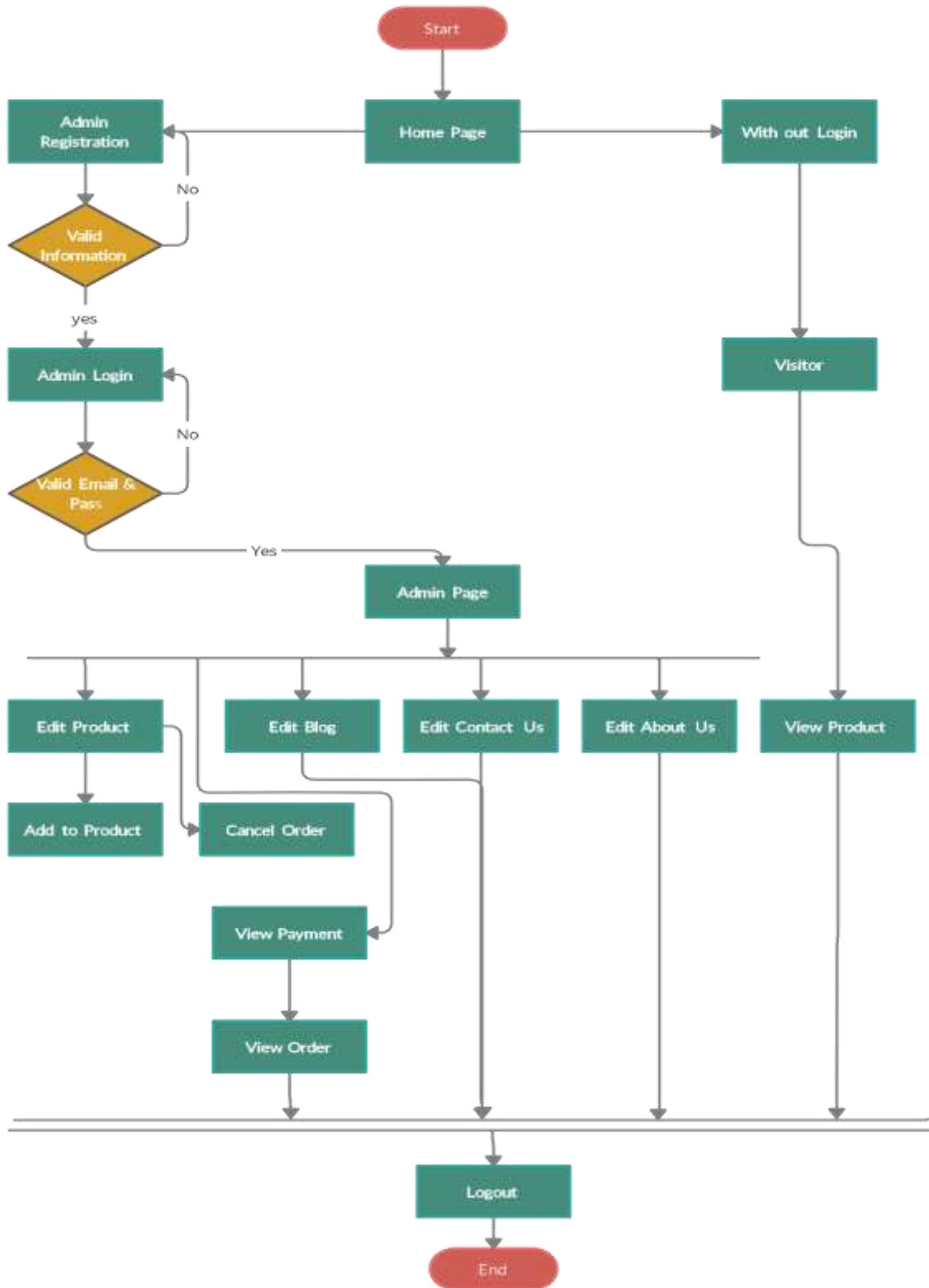
**Figure 6.3.1:** Use Case Diagram

### 6.3.2 Activity Diagram for Customer



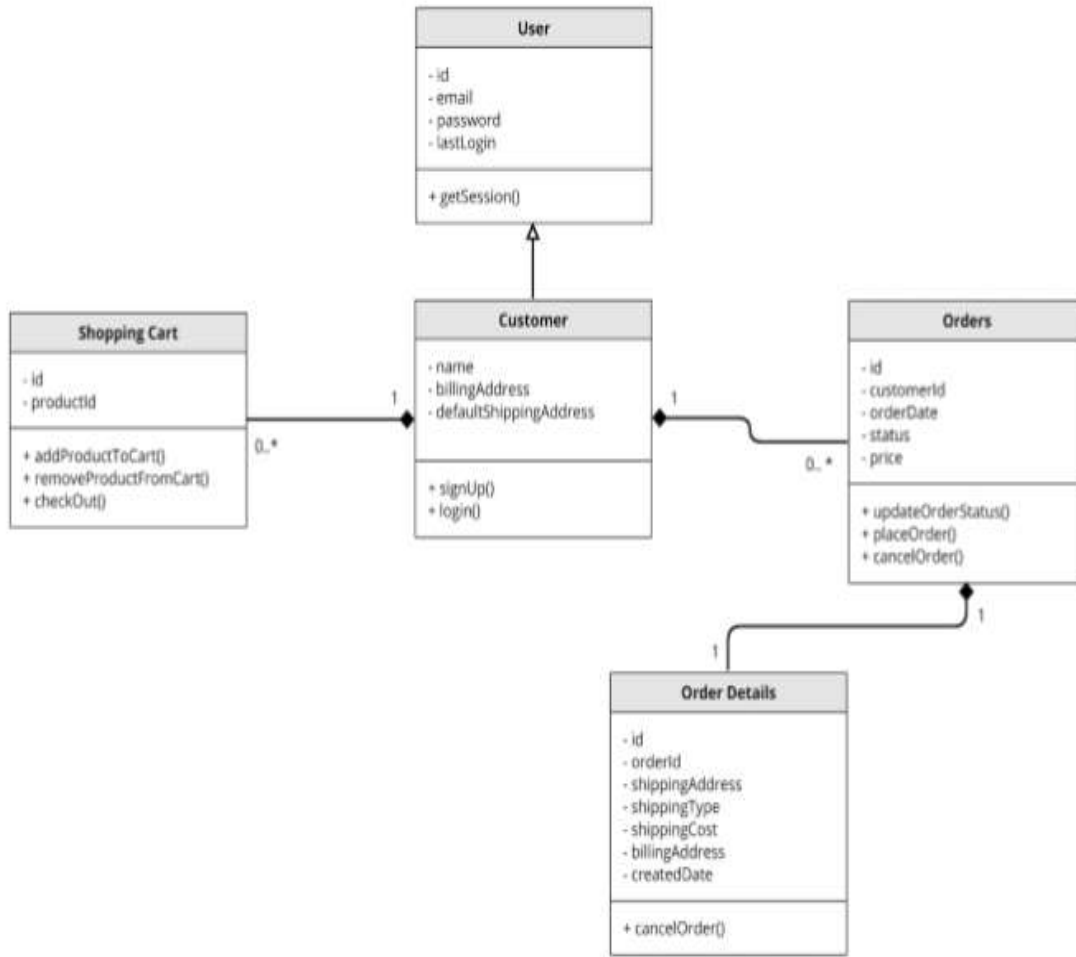
**Figure 6.3.2:** Activity Diagram for Customer

### 6.3.3 Activity Diagram for Admin



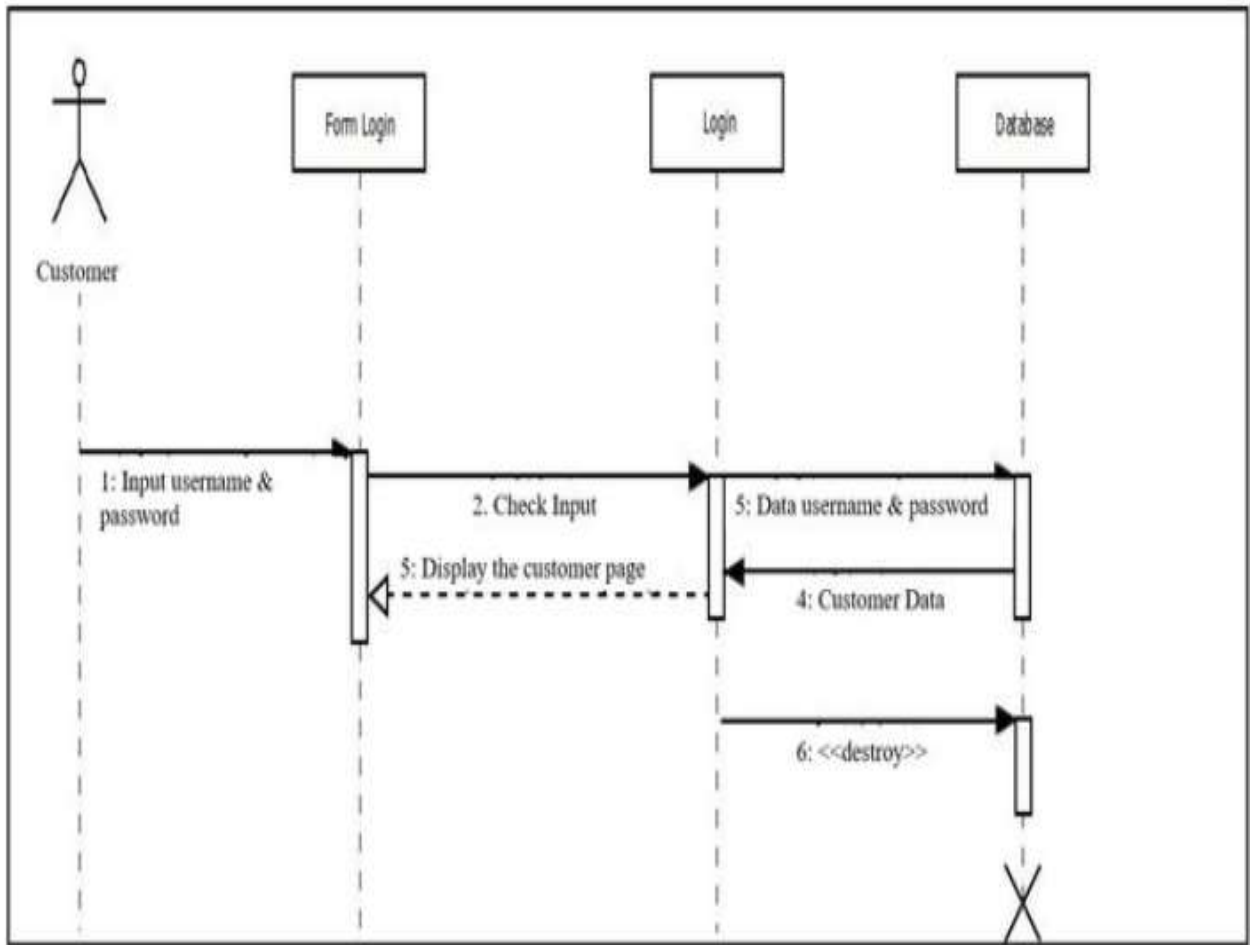
**Figure 6.3.3:** Activity Diagram for Admin

### 6.3.4 Class Diagram



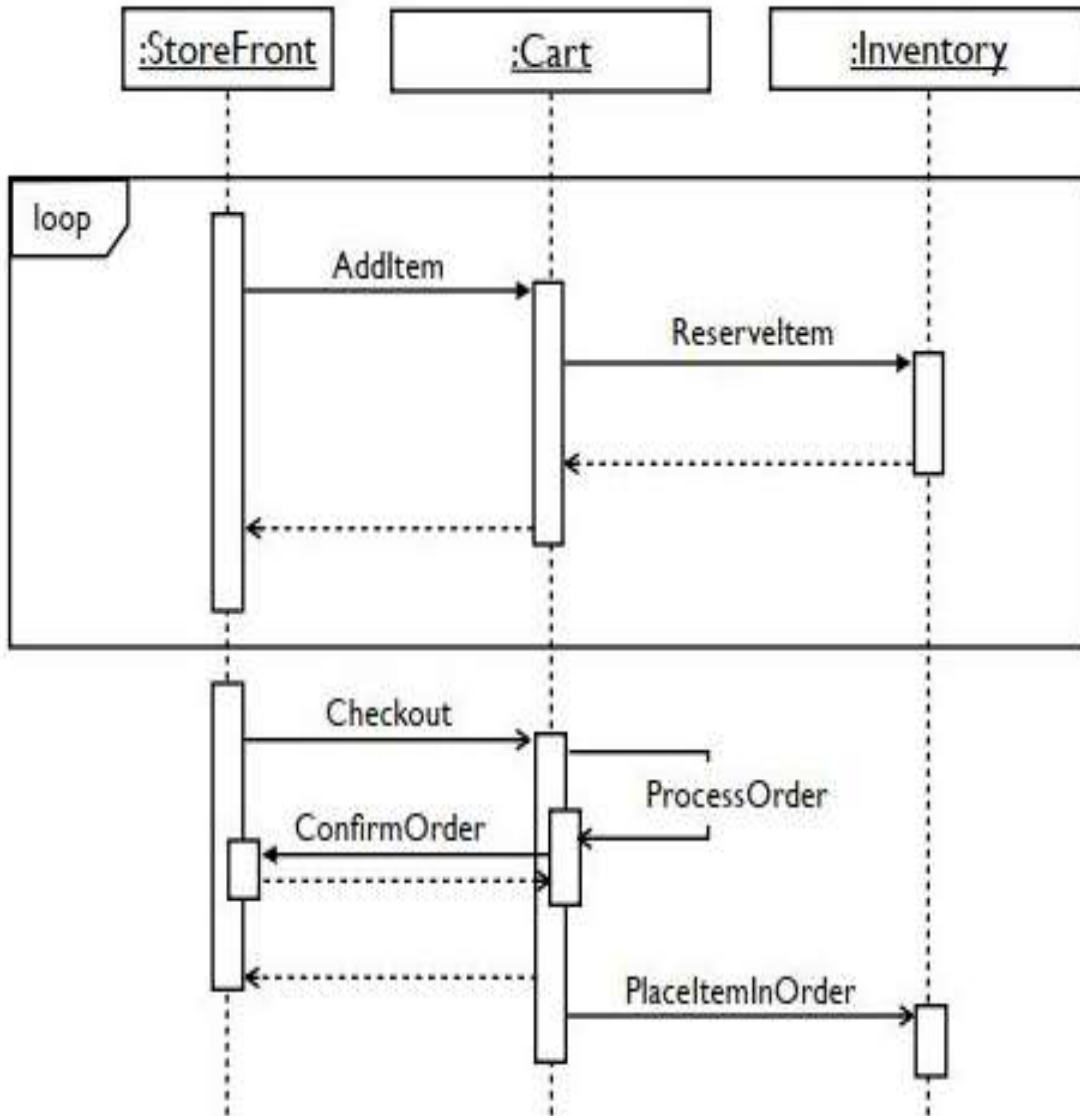
**Figure 6.3.4:** Class Diagram

### 6.3.5 Sequence Diagram for Login



**Figure 6.3.5:** Sequence Diagram for Login

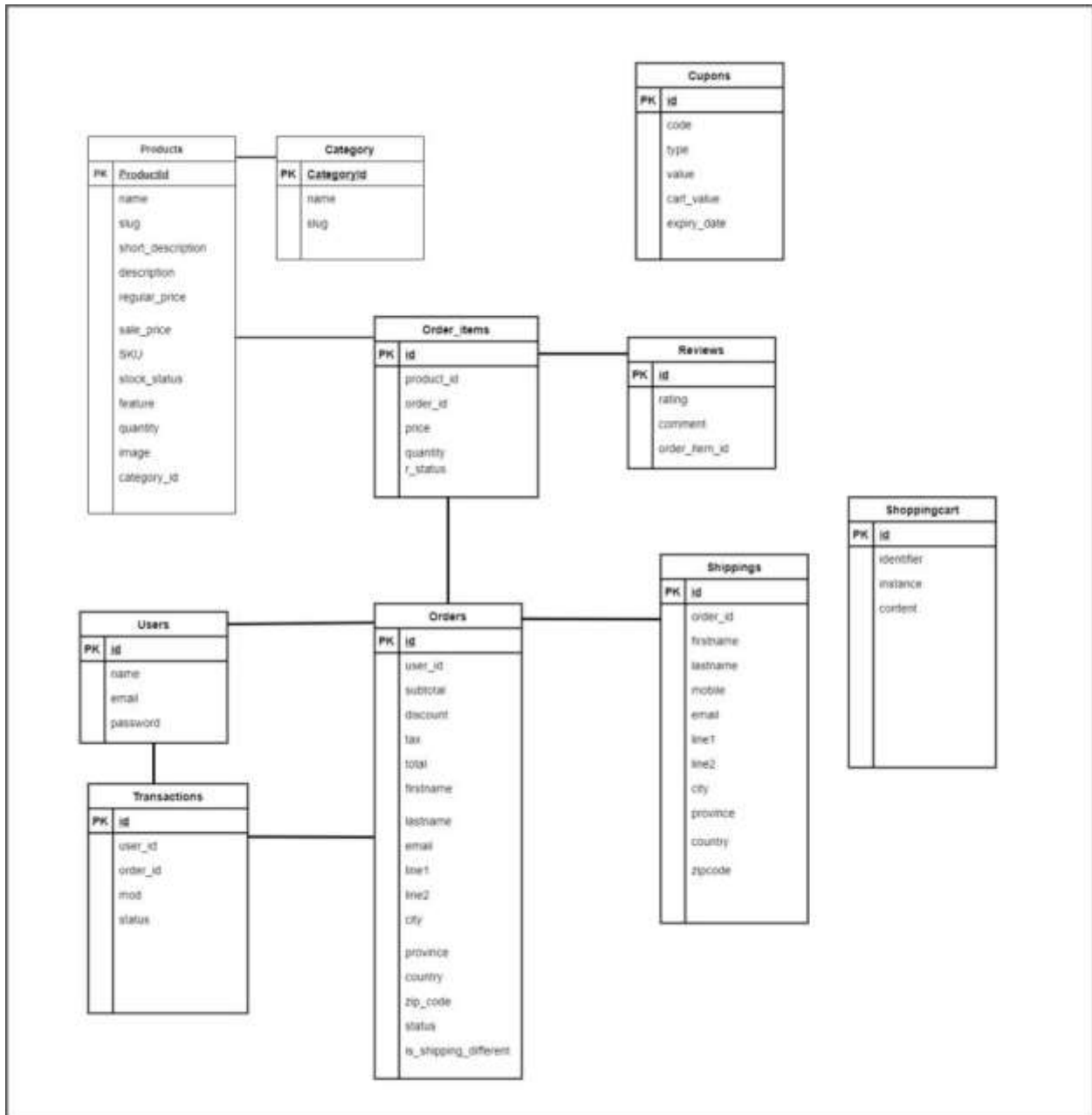
### 6.3.6 Sequence Diagram for Customer Checkout



**Figure 6.3.6:** Sequence Diagram for Customer Checkout



### 6.3.7 Database Diagram



**Figure 6.3.7: Database Diagram**

## CHAPTER7: EXPERIENCE & ACHIVEMENT

### 7.1 Overcome Problem & Difficulties

When a more energizing begins his work in a new company, that employee has to face many issues. the idea is wanted to overcome that trouble. for example, I've received a whole lot of help from my office colleagues and my place of work manager to clear up the problems that I've faced and they have inspired my work. My supervisor and my colleagues are very helpful. due to the fact then I have been inspired to deal with the worst situations and no matter that, I am doing my task properly.

### 7.2 Ability to Learn

In fact, a new worker cannot learn everything from his varsity life. He has to learn how to solve all the problems of his working life through regularly mixing it with his working life. The extra I learn from Bugsbd[1] , the more helpful and effective I will be in real life.

### 7.3 Achievement

I do an internship at Bugsbd [1] company, which is a lot of success for me. everyone in my company is very helpful. The experience I've gained from this internship is web development, web design, connecting web design with database, the usage of the Laravel voyager package, and gaining knowledge on how I will build a project.

Before I joined Bugsbd [1] I had no experience in completing a project without the basics. My programming was not good enough. I have learned to solve the problem that I had in my programming because of doing an internship in this company. It has helped me to advantage experience working with new technologies. It has given me the courage to face new problems. I'm forever thankful to my varsity and the Bugsbd [1] company for giving me the opportunity to do an internship.

The simple premise of an organization is to manage the client properly. Every company handles its clients consistently with its own guidelines. Each organization works in keeping with its own regulations to manage its customers. Every Client picks out different companies in step with their needs. The client chooses the company in which a client can understand and take his work according to the quality of his work and that work will be useful and secure. So, the group of workers of our employer collects the necessary information from the client very easily so that the work is easily standardized, secure and beneficial. Our company takes all kinds of projects for the satisfaction of the client.

## CHAPTER 7: USER MANUAL

## 7.1 User Login

**Shoperly** Search Shopping cart: \$57.00

Home Shop Pages Blog About Us Contact Us (880) 555-0114

### Sign In

Remember Me [Forgot Password](#)

[login](#)

[login](#)

[Don't Have Account? Register](#)

### Subscribe Our Newsletter

Stay tuned by subscribing to see new products and learn about offers.

[Subscribe](#) [f](#) [t](#) [p](#) [i](#)

**Shoperly**  
You may get quality products from us and we can try our best to offer consistent with your requirements.  
[\(880\)555-0114](tel:(880)555-0114) [Shop.bng@gmail.com](mailto:Shop.bng@gmail.com)

**My Account**  
[My Account](#)  
[Order History](#)  
[Shipping Cost](#)  
[Wishlist](#)

**My Helps**  
[Contact](#)  
[FAQ](#)  
[Terms & Condition](#)  
[Privacy Policy](#)

**Proxy**  
[About](#)  
[Shop](#)  
[Product](#)  
[Track Order](#)

**Categories**  
[Fruit & Vegetables](#)  
[Meat & Fish](#)  
[Bread & Bakery](#)  
[Beauty & Health](#)

Developed by [Fokhn436-301@du.edu.bd](mailto:Fokhn436-301@du.edu.bd)

[Pay](#) [VISA](#) [Master](#) [Secure Payment](#)

## 7.2 User Registration

Shopery

Search

Home Shop Pages Blog About Us Contact Us

(880) 955-0714

### Create Account

sofjw@gmail.com

\*\*\*\*\*

Confirm Password

Accept All Terms & Conditions

Create Account

## 7.3 User Profile

Shopery

Search

Home Shop Pages Blog About Us Contact Us

(880) 955-0714

Account Dashboard

#### Navigation

- Dashboard
- Order History
- Wishlist
- Shopping Cart
- Settings
- Log out

**Fokhrul Islam**  
Customer  
[Edit Profile](#)

#### BILLING ADDRESS

**Fokhrul Islam Rupak**  
4/AlZaker Hossain  
Road(Mohammedpur) Dhaka  
Fokhrul@gmail.com  
(880) 0162590181  
[Edit Address](#)

#### Recent Order History

[View All](#)

ORDER ID	DATE	TOTAL	STATUS	
#726	3 Sep, 2020	\$195.00 (5 Products)	Processing	<a href="#">View Details</a>
#703	24 May, 2020	\$25.00 (1 Products)	on the way	<a href="#">View Details</a>

## 7.4 Home page

The screenshot displays the Shopery website's home page. At the top, a dark navigation bar includes the location "Zoo location: Plot # 2411-2, Mypa Rd, Orissa 751007" on the left and "Eng | INR | Sign In | Register" on the right. Below this is the Shopery logo, a search bar with a "Search" button, a heart icon, and a shopping cart icon showing a total of "₹57.00". A secondary dark navigation bar contains "Home", "Shop", "Pages", "Blog", "About Us", and "Contact Us", along with a phone number "(888) 888-0004".

The main content area features three promotional banners. The largest banner on the left is titled "Fresh & Healthy Organic Food" and shows a woman in a straw hat holding a basket of fresh produce. It includes a "Sale up to 30% OFF" badge and a "Free shipping on all your orders" note, with a "Shop Now" button. To its right is a "SUMMER SALE 75% OFF" banner for "Only Fruit & Vegetable" with a "Shop Now" button. Below that is a "BEST DEAL Special Products Deal Of The Month" banner with a "Shop Now" button.











A service promise bar below the banners lists four benefits: "Free Shipping (Free shipping on all your orders)", "Customer Support 24/7 (Instant access to support)", "100% Secure Payment (We ensure your money is safe)", and "Money-Back Guarantee (30 Days Money-Back Guarantee)".

The "Popular Categories" section is titled "Popular Categories" and includes a "View All" link. It contains 12 category tiles, each with an image and a label: "Fresh Fruit", "Fresh Vegetables", "Meat & Fish", "Snacks", "Beverages", "Beauty & Health", "Bread & Bakery", "Baking Needs", "Cooking", "Diabetic Food", "Dish Detergents", and "Oil".



Popular Products

[View All →](#)

 <p>Orange \$14.00 \$14.00</p>	 <p>Green Apple \$14.00 \$14.00</p>	 <p>Chinese Cabbage \$14.00 \$14.00</p>	 <p>Green Lettuce \$14.00 \$14.00</p>	 <p>Eggplant \$14.00 \$14.00</p>
 <p>Big Potatoes \$14.00 \$14.00</p>	 <p>Corn \$14.00 \$14.00</p>	 <p>Fresh Cauliflower \$14.00 \$14.00</p>	 <p>Green Capsicum \$14.00 \$14.00</p>	 <p>Green Chilli \$14.00 \$14.00</p>

FAST DEALS

**Sale Of The Month**

The countdown is finished!

[Shop Now →](#)



BIG FAT FREE

**Low-Fat Meat**

Started at \$79.99

[Shop Now →](#)




SUMMER SALE

**100% Fresh Fruit**

Up to **54% OFF**

[Shop Now →](#)










Hot Deals

[View All →](#)

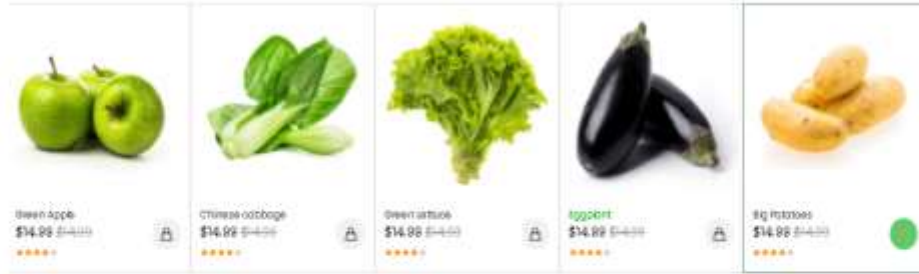
Hot Deals

[View All →](#)

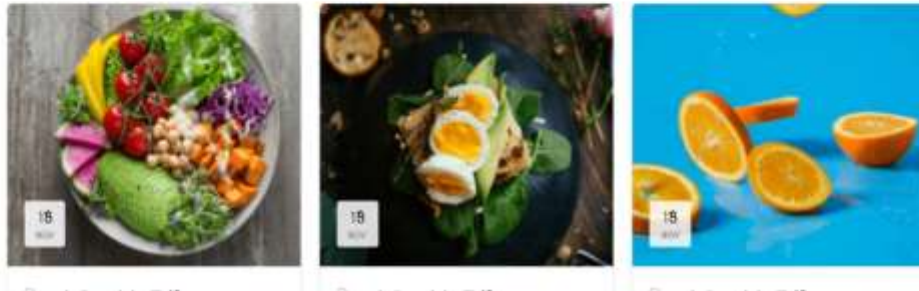
 <p><b>Chinese Cabbage</b> \$14.99 \$14.99</p> <p>5.0 (129 reviews)</p> <p>Hurry up! Offer ends in:</p> <p>290 : 03 : 27 : 06</p> <p><a href="#">Add To Cart</a></p>	 <p>Orange \$14.00 \$14.00</p>	 <p>Chinese Cabbage \$14.00 \$14.00</p>	 <p>Green Lettuce \$14.00 \$14.00</p>
	 <p>Eggplant \$14.00 \$14.00</p>	 <p>Big Potatoes \$14.00 \$14.00</p>	 <p>Corn \$14.00 \$14.00</p>

## Featured Products

[View All →](#)



## Latest News



## Follow Us On Instagram



### Subscribe Our Newsletter

Stay tuned by subscribing to see new products and learn about offers.

Subscribe



You may get quality products from us and we can try our best to offer consistent with your requirements.

[\(880\)555-0114](tel:(880)555-0114) or [Shop.bng@gmail.com](mailto:Shop.bng@gmail.com)

#### My Account

[My Account](#)  
[Order History](#)  
[Shopping Cart](#)  
[Wishlist](#)

#### My Helps

[Contact](#)  
[Faq](#)  
[Terms & Condition](#)  
[Privacy Policy](#)

#### Proxy

[About](#)  
[Shop](#)  
[Product](#)  
[Track Order](#)

#### Categories

[Fruit & Vegetables](#)  
[Meat & Fish](#)  
[Bread & Bakery](#)  
[Beauty & Health](#)

Developed by Falchru Islam @8ugsbd Limited



## 7.5 Shop

The screenshot displays the Shopery website interface. At the top, there is a dark navigation bar with the store location 'Store Location: Plot # 34/F-2, Mirpur Rd, Dhaka 1207', language and currency settings ('Eng', 'USD'), and user options ('Sign in', 'Sign up'). Below this is the Shopery logo, a search bar with the text 'Search', and a shopping cart icon showing '3' items for '\$67.00'. A secondary dark navigation bar contains links for 'Home', 'Shop', 'Pages', 'Blog', 'About Us', and 'Contact Us', along with a phone number '(880) 555-0114'. The main content area features a 'Vegetables' category breadcrumb and a large promotional banner for 'BEST DEALS Sale Of The Month' with a '56% OFF' badge and a countdown timer showing '261:03:24:16'. A 'Shop Now' button is present in the banner. Below the banner is a grid of product cards. The first row shows four cards, each with a price of '\$14.99' (crossed out) and '\$14.00', a star rating, and a lock icon. The second row shows two cards: 'Green Capsicum' and 'Green Chili', both priced at '\$14.99' (crossed out) and '\$14.00', with star ratings and lock icons. A pagination control at the bottom of the grid shows '1' selected. At the bottom of the page, there is a 'Subscribe Our Newsletter' section with the text 'Stay updated by subscribing to see new products and learn about our offers', an email input field containing 'foktru@gmail.com', a 'Subscribe' button, and social media icons for Facebook, Twitter, Pinterest, and Instagram.

## 7.6 About Us




### 100% Trusted Organic Food Store


You may get quality products from us and we can try our best to offer consistent with your requirements.



## 7.7 Contact Us



  
2715 Ash Ct, San Jose, South  
Dakota 53475

  
Prcay@gmail.com  
- Help.prcay@gmail.com



### Just Say Hello !

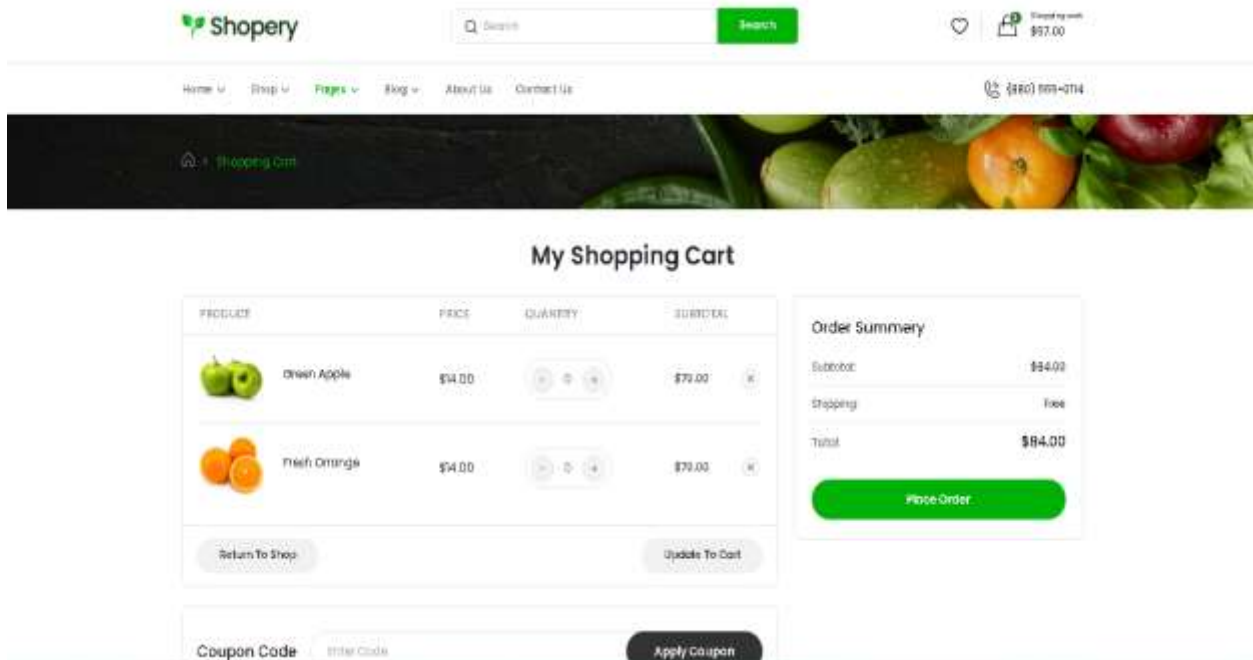
You May Get Quality Products From Us And We Can Try Our Best To Offer Consistent With Your Requirements.

Your Name  Your Email

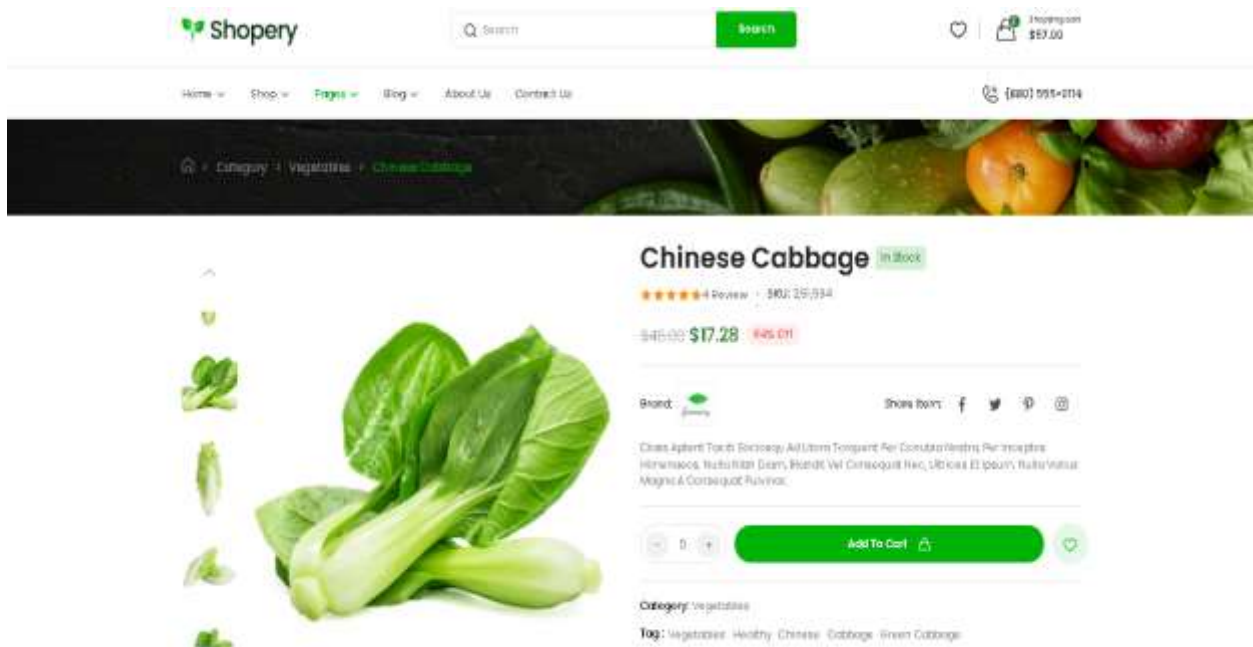
Title

Subjects

## 7.8 Shopping Cart



## 7.9 Product Details



## 7.10 Order Details

The screenshot shows the 'Order Details' page on the Shopery website. The page layout includes a navigation sidebar on the left, a header with the Shopery logo and search bar, and a main content area. The main content area features a 'Back To List' link, a table with 'Billing Address' and 'Shipping Address' columns, a table with 'Order ID' and 'Payment Method' columns, and a progress bar with four steps: 'Order Received', 'Processing', 'On The Way', and 'Delivered'.

BILLING ADDRESS	SHIPPING ADDRESS	ORDER ID	Payment Method
Dairine Russell 4140 Porter Rd, Allentown, New Mexico 3134 Email: Dairine.Russell@gmail.com Phone: (877) 555-0110	Dairine Russell 4140 Porter Rd, Allentown, New Mexico 3134 Email: Dairine.Russell@gmail.com Phone: (877) 555-0110	#4152	Paypal
		Subtotal:	\$365.00
		Discount:	20%
		Shipping:	Free
		<b>Total:</b>	<b>\$84.00</b>

Progress Bar: 01 (Order Received) - 02 (Processing) - 03 (On The Way) - 04 (Delivered)

## 7.11 Order History

The screenshot shows the 'Order History' page on the Shopery website. The page layout includes a navigation sidebar on the left, a header with the Shopery logo and search bar, and a main content area. The main content area features a table with columns for 'ORDER ID', 'DATE', 'TOTAL', and 'STATUS', and a 'View Details' link for each row.

ORDER ID	DATE	TOTAL	STATUS	
#756	8 Sep, 2020	\$195.00 (5 Products)	Processing	<a href="#">View Details</a>
#703	24 May, 2020	\$25.00 (1 Products)	on the way	<a href="#">View Details</a>
#130	22 Oct, 2020	\$250.00 (4 Products)	Completed	<a href="#">View Details</a>
#130	22 Oct, 2020	\$250.00 (4 Products)	Completed	<a href="#">View Details</a>
#130	22 Oct, 2020	\$250.00 (4 Products)	Completed	<a href="#">View Details</a>
#130	22 Oct, 2020	\$250.00 (4 Products)	Completed	<a href="#">View Details</a>
#130	22 Oct, 2020	\$250.00 (4 Products)	Completed	<a href="#">View Details</a>
#130	22 Oct, 2020	\$250.00 (4 Products)	Completed	<a href="#">View Details</a>

## 7.12 Error Page

Shopery

Search

Home Shop Pages Blog About Us Contact Us

404 Error Page

# 404

Oops! Page Not Found

Ut consequat ac tortor eu vehicula. Aenean dapuriam juttur eros. Maecenas sagittis tortor at nhebus mollis.

Back to Home

# 404

Oops! Page Not Found

Ut consequat ac tortor eu vehicula. Aenean dapuriam juttur eros. Maecenas sagittis tortor at nhebus mollis.

Back to Home

Subscribe Our Newsletter

Stay tuned by subscribing to our new products and special offers.

safwt@gmail.com

Subscribe

Shopery

My Account

My Account  
Order History  
Shipping Cost  
Wishlist

My Helps

Contact  
FAQ  
Terms & Conditions  
Privacy Policy

Proxy

About  
Shop  
Product  
Track Order

Categories

Fruit & Vegetable  
Meat & Fish  
Food & Beverage  
Beauty & Health

Developed by [TechSource](#) | [get your logo](#) | [contact](#)

Pay Visa Mastercard American Express

### 7.13 My Work Project

The projects I'm working on are:

- Inventory Management
- eCommerce Website
- Amar\_Cirle
- Shopery



## CHAPTER 8: CONCLUSION & RECOMMENDATION

## 8.1 Finding & Contribution

I started out my real life, I just got basic experience from my university. Which isn't always enough for real life and operating with a company. if you need to work with an IT company, you want to think about IT. The basic experience I gained from my varsity is not enough. I need to benefit from that experience operating with a company. So, my internship may be very important if I need to work with a company in real life.

I do an internship at Bugsbd [1] company, which is a lot of success for me. everyone in my company is very helpful. The experience I've gained from this internship is web development, web design, connecting web design with database, the usage of the Laravel voyager package, and gaining knowledge on how I will build a project.

Before I joined Bugsbd [1] I had no experience in completing a project without the basics. My programming was not good enough. I have learned to solve the problem that I had in my programming because of doing an internship in this company. It has helped me to advantage experience working with new technologies. It has given me the courage to face new problems. I'm forever thankful to my varsity and the Bugsbd [1] company for giving me the opportunity to do an internship.

## 8.2 Advice for destiny work

Presenting oneself in the job marketplace in the current life and surviving via competing with everyone may be very difficult especially for Bangladesh. were a lot of students from Bangladesh are passing their graduation each year. however, it is very tough for them to get a job without experience in the current job marketplace. New students did now not get the job they wanted because of their lack of experience. The reason for giving this problem is that the new students have not been capable of benefit the experience that they will face their life with the job life.

those who do internships will be able to benefit from the experience that they can adapt to in their job life. So, it's far very important to do an internship for a new student.

## REFERENCE

- [1] <https://bugsgbd.com/over-view>
- [2] <https://www.guru99.com/agile-scrum-extreme-testing.html>
- [4] <https://bugsgbd.com/our-team>
- [5] <https://voyager.devdojo.com/>