

Online Bizz

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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.

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APPROVAL

This **Project/Thesis** titled "**Online bizz**", submitted by **Ummul Wara Habiba**, **153-35-1310** 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 B.Sc in Software Engineering and approved as to its style and contents.

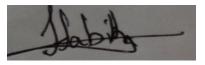
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DECLARATION

I hereby declare that this project report submitted to the Daffodil International University is a record of an original work done by me under the guidance of **DR**. **Md Asraf Ali**, Associate Professor & at the Department of Software Engineering, Daffodil International University. I also declare that the project reported in this document has not been submitted to any other University or Institute for the award of any degree or diploma.

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DEDICATION

At first I dedicate this work to Almighty Allah for His blessing that makes me possible to complete this successfully. Almighty Allah gave me the power and confidence to done my project and this document. I also dedicate this work to my parents who always love me and pray for me and I also dedicate this work to my university and its people who always support me most.

Abstract

This project aims at developing an efficient online marketplace of mobile phones and computer. People will be able to buy mobile phones, laptops, personal computer etc. This system will provide online payment option and online delivery. There will be options line email notification, personal discounts, waranty etc.

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CHAPTER 1: INTRODUCTION

1. Project Overview:

This is an online marketplace for selling mobile phones and computer parts and accessories. By going to the site URL, people will be able to buy different mobile phones, laptops or PC setup from their home. The product will be delivered to them.

This project focuses on building the web platform to make it easy to be navigated by the buyer.

1.2: The Purpose of the Project:

1.2.1:Background:

We are on the edge of technology and in technology and modern era. In Bangladesh, use of mobile phones and computer and computer accessories is growing. But, the marketplace has been kept traditional and Dhaka based. If someone from another district wants to buy choosing from varieties of options, he/she has to come to Dhaka and visit Computer markets here. Thus, a need of a reliable online marketplace is prominent nowadays. We took this opportunity to build a online marketplace to sell mobile phones and computers.

1.2.2:Benefits

This project will provide a reliable source to buy mobile phones and computers for people from

all over Bangladesh. It will reduce time and money to buy a product and still will be managed to be profitable. The main user base will be –

- General mobile and computer users.
- Computer and Mobile brands.
- Online money transfer companies.
- Product delivery Companies

1.2.3 Goals

The goal of this project is to make the selling and buying of electronic products (mobile phones, computers) online and easy to access. This platform will also be able to help the Local tech companies to advertise their products to mass people once we reach a certain viewers.

1.3. Stakeholder

-Admin.

-Customer

-Online delivery companies

1.4. Proposed System Model (Block Diagram)

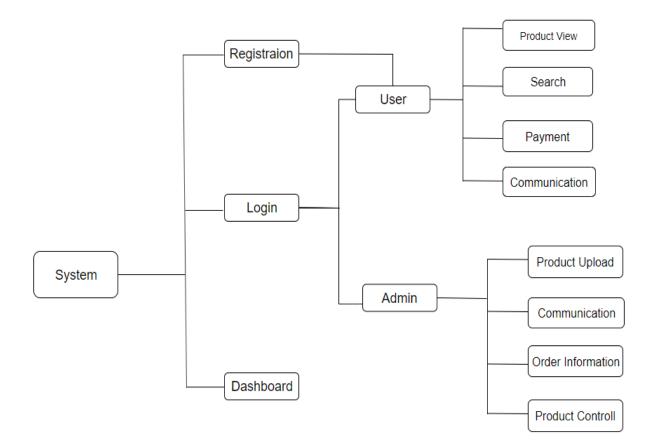
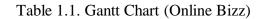
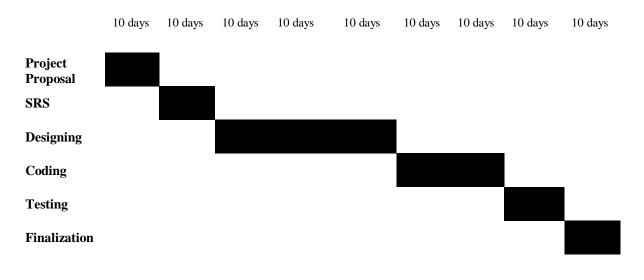


Figure1.1. Block Diagram (Online Bizz)

1.5. Project Schedule

1.5.1 Gantt Chart





Time frames for project implementation

CHAPTER 2: SOFTWARE REQUIREMENT SPECIFICATION

2.1. Requirement Specification

FRQ_ID	FRQ_Name	Description	Priority
FRQ01	Registration	User can registration by using this module.	High
FRQ02	Registration	Admin can register by using this module.	High
FRQ03	Post	Admin can post only.	High
FRQ04	Manage Post	Admin can manage the post by using admin system	Medium

2.2: Security Requirements:

2.2.1: Access Requirements:

1. Only registered user can login to the system.

2.3. Usability and Human-Interaction Requirements

- 2.3.1. Ease of Use Requirements
 - 1. The system is user-friendly.

2. The new user should learn the system.

2.3.2. Understandability and Politeness Requirements:

1. Any user should understand the system.

2.3.3. Accessibility Requirements:

- 1. The system should accessible from any other devices.
- 2. User should access their account within a request.

2.4: Legal Requirements:

2.4.1: Standards Requirements:

The admin should have good knowledge of different types of product.

Chapter 3: System Analysis

3.1 .Use Case Diagram

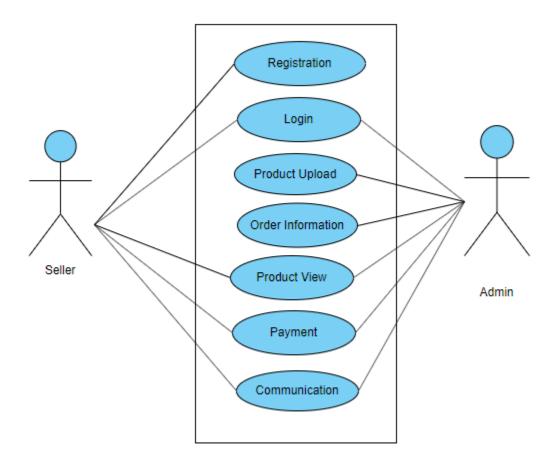


Figure 2.1: Use Case Diagram (Online Bizz)

3.2. Use Case Description

Use case name:	Registration		
Use case no	01		
Goal	To find specific topics by keyword searching.		
Preconditions	Must be an organization's email and valid phone number		
Primary Actors:	User		
Secondary Actors:	None.		
Trigger	This will be a default function for the system.		
Description / Main	Step	Action	
Success Scenario	1	Confirm the valid address	
	2	Ensure the user.	
Alternative Flows		N/A	
Quality Requirements		N/A	

Table 2.2: User & Admin Login

Use case name:	Login
Use case no	02
Goal	To enter the hole system
Preconditions	Must be email and valid password for login.
Primary Actors:	User, Admin
Secondary Actors:	None.

Trigger	This will be a default function for the system.	
Description / Main Success Scenario	Step	Action
Success Scenario	1	Confirm valid email address.
	2	Confirm valid password.
Alternative Flows		
Alternative Flows		N/A
Quality Requirements		N/A

Table 2.3: Upload product

Use Case	Upload	product	
Use case no	03		
Goal	The goa	l is for uploading product as customer need.	
Preconditions	Logged	in.	
Primary Actors:	Admin		
Secondary Actors:	None.		
Trigger	After clicking "Uploading product" from the menu.		
Description / Main Success Scenario	Step	Action	
Success Scenario	1	Admin enters the system	
	2	Admin login into the system with username and password.	
	3	Admin upload post.	
Alternative Flows			
		N/A	

Quality	N/A	
Requirements		

Table 2.4: Order information

Use Case	Order information.			
Use case no	04			
Goal	The goal	The goal is for giving info to customer query.		
Preconditions	Logged in.			
Primary Actors:	Admin			
Secondary Actors:				
Trigger	Giving info about to order.			
Description / Main Success Scenario	Step	Action		
Success Scenario	1	Admin and customer enters the system		
	2 Admin and customer login into the system with and password.			
	3	Customer ask about product.		
	4 Customer valid address.			
Alternative Flows	N/A			
Quality Requirements		N/A		

Table 2.5 Product View

Use Case	View product
Use case no	05
Goal	The goal is show product to customer.
Preconditions	Logged in.
Primary Actors:	Admin, User/customer.

Secondary Actors:	None.			
Trigger	Alter ch	After clicking "showing product" from the menu.		
Description / Main Success Scenario	Step	Action		
	1	Admin upload post		
	2	Customer can see it.		
	3			
Alternative Flows		N/A		
Quality Requirements		N/A		

Table 2.6 Payment

Use case name:	payment	payment		
Use case no	06	06		
Goal	Confirm about payment			
Preconditions	Must be an organization's email and valid phone number			
Primary Actors:	Admin,	Admin, Customer\User		
Secondary Actors:	None.			
Trigger	This will be a default function for the system.			
Description / Main	Step Action			
Success Scenario	1 Confirm the valid address			
	2 Ensure the user.			
	3 Confirm about customer payment.			

Alternative Flows	N/A
Quality Requirements	N/A

Table 2.7 Communication

Use case name:	Commu	nication		
Use case no	07			
Goal	Contact	with customer		
Preconditions	Must be	order something.		
Primary Actors:	Admin,	User/Customer		
Secondary Actors:	None.			
Trigger	This will be a default function for the system.			
Description / Main Success Scenario	Step	Action		
Success Scenario	1	Chat with customer.		
Alternative Flows				
	N/A			
Quality Requirements		N/A		

3. 3. Activity Diagram:

3.3.1. Activity Diagram for Customer:

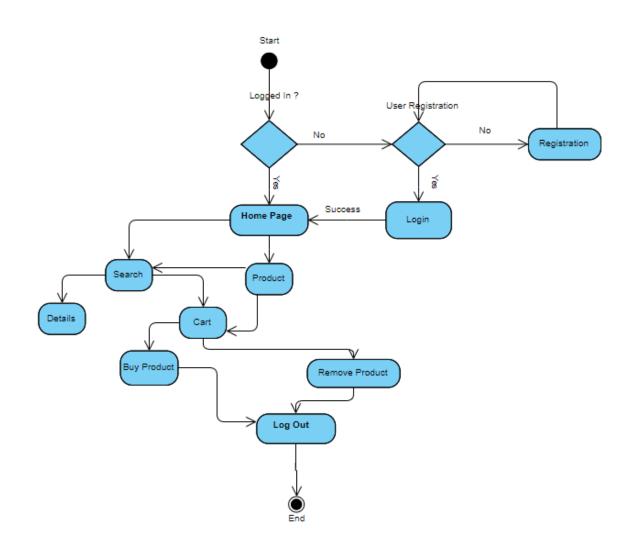


Figure 3.2: Activity Diagram for the user (Online Bizz)

2.3.2. Activity Diagram for Admin

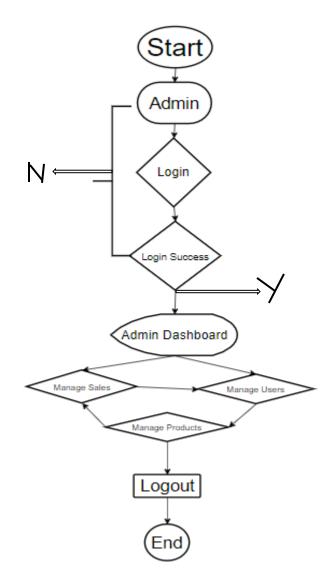


Figure 2.3: Activity Diagram for Admin (Online Bizz)

2.4. Sequence Diagram

2.4.1. Sequence Diagram for Customer

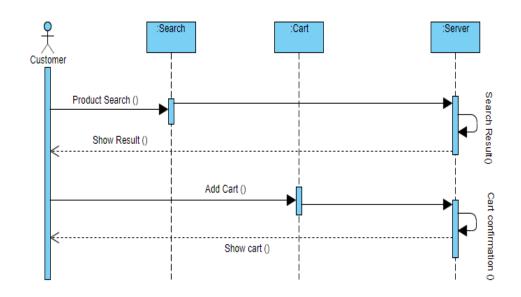


Figure 2.4.1: Sequence Diagram (Online Bizz)

2.4.2: Sequence Diagram for Admin

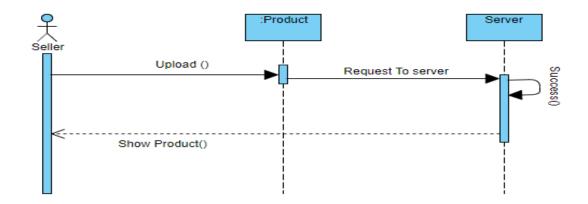


Figure 2.4.2: Sequence Diagram (Online Bizz

CHAPTER 4: SYSTEM DESIGN SPECIFICATION

3.1: Class Diagram (Online Bizz)

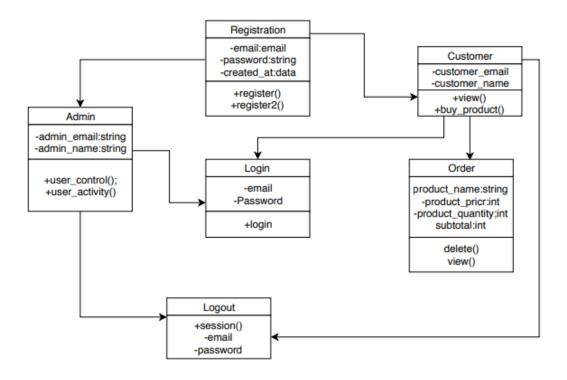
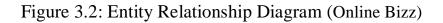


Figure: 3.1: Class Diagram (Online Bizz)

Entity Relationship Diagram



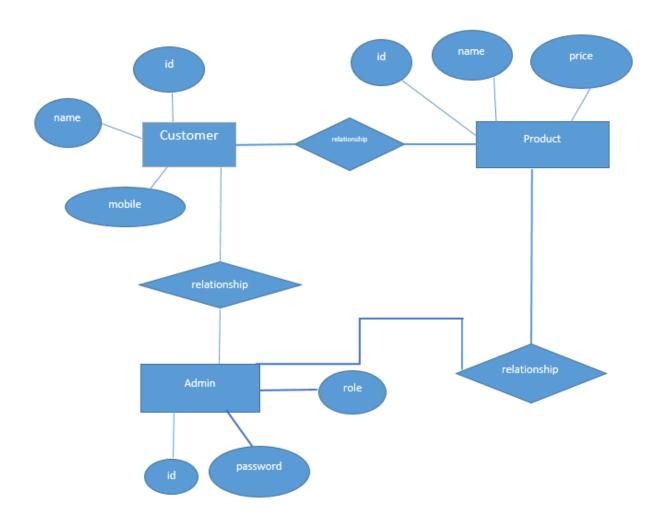


Figure 3.2: Entity Relationship Diagram (Online Bizz)

Development of Tools and Technology

3.3.1 User Interface Technology

- HTML5
- CSS3
- Bootstrap 4
- JavaScript
- PHP
- Query

3.3.2 Implementation Tools & Platforms

- Object-Oriented PHP
- MySQL
- xammp
- Laravel Framework

CHAPTER 5: SYSTEM TESTING

5.1Testing Features:

5.1.1: Features to be tested

- Registration
- Login
- Payment method

5.1.2: Features not to be tested

- Rating System
- Project Comments
- IDE System

5.2: Testing Strategies:

- 5.2.1: Test Approach
 - The whole system will be tested manually
 - System testing based on User acceptancy.

5.2.1:Pass/Fail Criteria

- Component Pass/Fail criteria The test will pass if the case meets the object design requirement or fail if not.
- Integration Pass/Fail criteria The test will pass if the case meets the object design architecture requirement or fail if not.

5.2.3Suspension and Resumption:

• Regression Testing – On every change made in the system, it should work accurately.

• Build Acceptance Test – If the build is successful then the system will qualified for the test. If not, it will build again.

• System Design Changes – For each & every change made in the design, the system will work accurately.

5.2.4. Testing Schedule

Test Phase	Time	Owner
Test Plan Creation	1 week	Ummul Wara Habiba
Test Specification Creation	1 week	Ummul Wara Habiba
Test Specification Team Review	2 weeks	Ummul Wara Habiba
Component Testing	2 weeks	Ummul Wara Habiba
Integration Testing	2 weeks	Ummul Wara Habiba
System Testing	3 weeks	Ummul Wara Habiba

Table 5.1: Testing Schedule (Online Bizz)

5.3: Test Cases:

5.3.1:Test Case 1

Table 5.2: Test Case 1 (Online Bizz)

Test Case #: 01	Test Case Name: Sign Up
System: Online Bizz	Subsystem: N/A

Pre-Condition: User Must be Sing up on the system

Step	Action	Expected System	Pass/Fail	Comment
		Response		
1.	When a user fills up	Other fields are required	Pass	Other fields are
	only Name field			required
	and clicks the			
	register			
2.	When a user clicks	Fill up the required field	Pass	Fill up the
	only register button			required field
	without a fill-up			
3.	any field When a user enters	The system should display	Pass	The email field is
5.	email like abc.com	The system should display the email field is not a	Pass	not a valid e-mail
		valid e-mail address.		address.
4	XX 71		Dere	
4.	When a user enters	The system will display	Pass	The valid email
	email like	the email field is invalid.		needs to register.
~	abc@gmail.com	XX71 1.1	D	
5.	When a user enters	When click register button	Pass	The password and
	a password like	the system should display		confirmation
	'Abc' and confirms	the password and		password do not
	the password like 'Abcd'	confirmation password do		match.
		not match.		
6.	If a user enters a	The password	Pass	The confirmation
	password like 'Abc'	confirmation is required.		password is
	and confirms the			required.
	password field			
	empty.			

7.	If a user enters the	The system should take it	Pass	It	as	а	valid
	password like	as a valid password.		pas	swoi	d.	
	'AbC@A11'						

5.3.2. Test Case: 02

Table 5.3: Test Case 2 (Online Bizz)

Test Case #: 02	Test Case Name: Upload product
System: Online Bizz	Subsystem: N/A

Pre-Condition: Must be added Post

Step	Action	Expected System	Pass/Fail	Comment
		Response		
1.	When a admin fills up the only post	Other fields are	Pass	Other fields
		required		are required
2.	When a admin clicks only Post button	Fill up the required	Pass	Fill up the
	without a fill-up any field	field		required
				field

Chapter 6: User manual

5.1 User manual (Customer/User)

5.1.1: Customer sign up

New member should create a id for the membership.

Register a new members	hip
Firstname	1
Lastname	£
Email	×
Password	a
Retype password	ر
I'm not a robot	reCAPTCHA Privacy - Terms
✓ Sign Up I already have a membership ☆ Home	

5.1.2Customer login

Customer/user needs to log in this system to get access.

Sign in to start your session	
Email	
Password	
+D Sign In	
I forgot my password Register a new membership A Home	

5.1.3: Customer validation

This is validation process.

Email not found	
Sign in to start your session	
ieva55137@gmail.com	
Password	
➡) Sign In	
I forgot my password Register a new membership A Home	

5.1.4 Customer profile:

After the validation process there creates a customer profile.

	HOME	CONTACT US	CATEGORY 🗕	Search for Produc	t			
Name: Abdul Karim Credet Email: abdul@karim.com Contact Info: 019092735719 Address: Dhaka Member Since: May 09, 2018								C Edit
🛗 Transacti	ion Hist	tory						
Show 10	ion Hist	_				Sea	rch:	
		_		ţţ	Amount	Sea J1	rch: Full Details	Ļ
Show 10	• entrie	25	294925RLLZ7TZ/	¥1	Amount \$ 8,874.91			Ţ
Show 10 Date	• entrie	Transaction#		Ą			Full Details	ţ

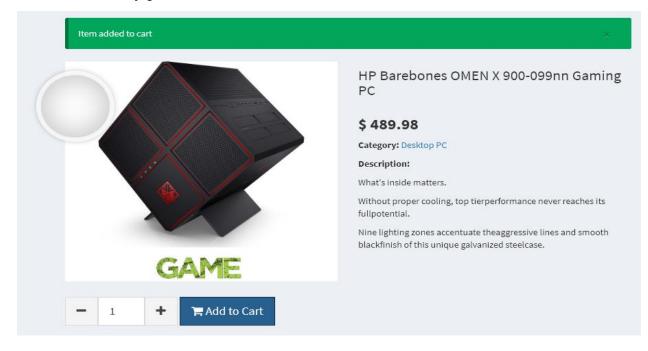
5.1.5: Product list

Customer can view about product list and details.

Product List								æ	Home > Products >	Product Lis
+New									Category: ALL	•
Show 10 v entries								Sea	arch:	
Name	1F	Photo	١t	Description	11	Price 1	Views Today	١t	Tools	11
ACER Aspire GX-781 Gaming PC			Ø	Q View		\$ 749.99	0		🕼 Edit 🚺 Delete	
AMAZON Fire 7 Tablet with Alexa (2017) - 8 GB, Black			ľ	Q View		\$ 49.99	0		C Edit Delete	
AMAZON Fire HD 8 Tablet with Alexa (2017) - 16 GB, Black			đ	Q View		\$ 79.99	0		C Edit 🗊 Delete	
AMAZON Fire HD 8 Tablet with Alexa (2017) - 32 GB, Black		1993D	C	Q View		\$ 99.99	0		C Edit Delete	
APPLE 10.5" iPad Pro - 64 GB, Space Grey (2017)		2	C	Q View		\$ 619.00	1		C Edit Delete	
APPLE 9.7" iPad - 32 GB, Gold			C	Q View		\$ 339.00	1		C Edit Delete	
APPLE 9.7" iPad - 32 GB, Space Grey			Ø	Q View		\$ 339.00	0		C Edit Delete	
ASUS Transformer Mini T102HA 10.1" 2 in 1 - Silver			Ø	Q View		\$ 549.99	0		🕼 Edit 📋 Delete	

5.1.6: Buy product

Customer can buy product.



5.1.7: Payment system.

After buying the product customer payed by paypal.

	Photo	Name	Price	Quantity	Subtota
×	٠	HP Barebones OMEN X 900-099nn Gaming PC	\$ 489.98	- 1 -	\$ 489.98
				т	otal \$489.9

5.2: User manual (Admin)

5.2.1: Admin login

Admin needs to log in this system to get access

5.2.2: Admin validation:

This is admin validation page

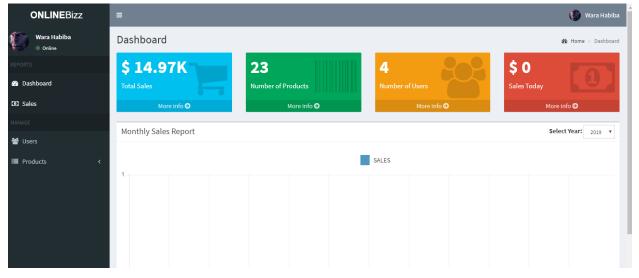
Sign in to start your session admin@admin.com Image: Comparison of the session		
admin@admin.com Password I forgot my password Register a new membership	Incorrect Password	
Password →D Sign In I forgot my password Register a new membership	Sign in to start your session	
➡J Sign In I forgot my password Register a new membership	admin@admin.com	\mathbf{X}
I forgot my password Register a new membership	Password	
Register a new membership	→J Sign In	
	Register a new membership	

5.2.3: After the validation admin can entire the system.



5.2.4. Admin Dashboard:

After successful login and registration, a admin gets access to the system and this is the monthly sales overview



5.2.5 Sales report

Here the details about sales report.

Sales History							æ	Home > Sales
					11	/30/	2019 - 11/30/2019	🖨 Print
Show 10 • entries						S	earch:	
Date 11	Buyer Name	↓ ↑	Transaction#	t	Amount	11	Full Details	.↓†
May 10, 2018	Abdul Karim		PAY-1RT494832H294925RLLZ7TZA		\$ 8,874.91		Q View	
May 10, 2018	Abdul Karim		PAY-21700797GV667562HLLZ7ZVY		\$ 6,095.92		Q View	
Showing 1 to 2 of 2 entries							Previous	1 Next

5.2.6: Customer Details

Only admin can see the user details. In this page includes user verification and added time also.

+ New												
OW 10		entries									Search:	
Photo	ļž	Email	J†	Name	$\downarrow \uparrow$	Status	J1	Date Added	J1	Tools		
	Ø	abdul@karim.com		Abdul Karim		active		May 09, 2018		Q Cart	C Edit Delete	
0	ľ	Shourov@gmail.com		Shourov Mia		active		Jul 09, 2018		Q Cart	C Edit Delete	
0	Ø	jorina@begum.com		Jorina Begum		not verified		Nov 30, 2019		Q Cart	C Edit Delete	

5.2.7: Product category

Category	Home > Products > Category
+New	
Show 10 v entries	Search:
Category Name	Tools 🗍
Desktop PC	CP Edit 1 Delete
Notebooks	C? Edit 1 Delete
Smart Phones	C? Edit Delete
Tablets	C Edit Delete
Showing 1 to 4 of 4 entries	Previous 1 Next

5.2.8: Product list

This is product's price, description and viewers.

Product List B Home > Product > Product List								
+ New						Category: ALL	¥	
Show 10 v entries						Search:		
Name	11 Photo	b – ↓†	Description 1	Price 11	Views Today 🛛 🕸	Tools	11	
ACER Aspire GX-781 Gaming PC		Ø	Q View	\$ 749.99	0	🕼 Edit 💼 Delete		
AMAZON Fire 7 Tablet with Alexa (2017) - 8 GB, Black		Ø	Q View	\$ 49.99	0	🕼 Edit 💼 Delete		
AMAZON Fire HD 8 Tablet with Alexa (2017) - 16 GB, Black		Ø	Q View	\$ 79.99	0	🕼 Edit 💼 Delete		
AMAZON Fire HD 8 Tablet with Alexa (2017) - 32 GB, Black	100	Ø	Q View	\$ 99.99	0	🕼 Edit 💼 Delete		
APPLE 10.5" iPad Pro - 64 GB, Space Grey (2017)		Ø	Q View	\$ 619.00	1	🕼 Edit 💼 Delete		
APPLE 9.7" iPad - 32 GB, Gold	-	Ø	Q View	\$ 339.00	1	🕼 Edit 💼 Delete		
APPLE 9.7" iPad - 32 GB, Space Grey		Ø	Q View	\$ 339.00	0	🕼 Edit 💼 Delete		
ASUS Transformer Mini T102HA 10.1" 2 in 1 - Silver		Ø	Q View	\$ 549.99	0	🕼 Edit 💼 Delete		

CHAPTER 7: PROJECT SUMMARY

5.1 Limitation:

- 1. Customers can only select products & orders.
- 2. Customers can't block or report other users.

5.2 Obstacles & Achievements:

One of the main purposes of an online store is to deliver to viewers easily. A website is like a tool to tell customers what wants them to know. Designing a website, a well-organized, well-planned, neat & clean and easy navigating layout is an important way to grow on the online world. So, the viewers can find the products they want very easily was my main target. That's why I've to work hard on it to organize my contents, create a user-friendly design.

5.3 Future Scope:

Mobile and computer selling isn't going to suffer shortage anytime soon, so safe option revenue from the website through advertising. Easy to reach people on social media.

REFERENCES

[1]. Activity Diagram, Use case Diagram, Class Diagram, Block Diagram,

Sequence Diagram Link: <u>https://diagrams.visual-paradigm.com/#</u>