Student Attendance system

A project submitted to
UKA TARSADIA UNIVERSITY
in partial fulfilment of the requirements for the degree of

Bachelor of Science

in

Information Technology

for

5 Years Integrated M.Sc.(IT)

By

Monis Pathan
(Enr. No.201906100110018)
and
Urvish Sojitra
(Enr. No.201906100110036)

Guided by

Rakesh Savant
<<Assistant Professor>>

Babu Madhav Institute of Information Technology
Uka Tarsadia University
Bardoli – 394350
September 2020

CERTIFICATE

This is to certify that **Monis Pathan ,201906100110018 and Urvish Sojitra,201906100110036** has submitted project entitled **"Ecommerce Multi-Vendor Clothing Shop"** as the partial fulfilment for the award of the degree of Bachelor of Science in Information Technology for 5 Years Integrated M.Sc.(IT) in 2020 – 2021.

Date:

Place:

Rakesh Savant   **Dr. Jitendra Nasriwala**

Guide   Programme Coordinator,

External Examiner

UKA TARSADIA
u n i v e r s i t y

Babu Madhav Institute of Information Technology,

Uka Tarsadia University,

Bardoli – 394350

Table of Content

1.Introduction

1.1 Problem Definition

Buying and selling things is a tedious process.Sellers have trouble expanding their business due to not being able to reach more customers and customers have difficulty searching for clothes with high quality and high variety as well.Usually when clothes reach the Customer they have gone through Manufacturer,Wholesaler,Distributors and Retailer ,and hence the price of clothes is high.

1.2 IRD

Title of project	E Commerce Website
Stakeholders involved in capturing requirement	Project Leader, Guide
Technique used for requirement capturing	Brainstorm, Interviewing
Name of the people along with designation	Monis pathan,Urvish sojitra
Date	12-02-22
Version	1.0

Consolidated list of Initial Requirements:	
Req #1	System shall be able to generate New Arrival for new clothes
Req #2	Admin shall be able to set clothes as Best sellers
Req #3	Admin shall be able to manage clothes, Categories, Orders, Registered Users, Feedback,and Coupons
Req #4	Admin shall be able to add,update and delete coupon and change the status of coupon
Req #5	Admin shall be able to set status of customers,sellers,categories and product as active or deactive
Req #6	Admin shall be able to set status ,image,button,link in carousel

Req #7	Admin shall be able to set status of orders as pending or placed
Req #8	Customer shall be able to view clothes
Req #9	Customer shall be able to add clothes to cart
Req #10	Customer shall be able to add clothes to wishlist and view it
Req #11	Customer shall be able to look for clothes based on categories
Req #12	Customer shall be able to choose payment method
Req #13	Customer shall be able to see a receipt at checkout
Req #14	Customer shall be able give feedback
Req #15	Customers shall be able to view and use coupons for discount
Req #16	Seller shall be able to add or delete clothes and view them
Req #17	Seller shall be able to change status of clothes
Req #18	Seller shall be able to see their clothes that are ordered and their reviews
Req #19	System shall be able to provide sorting for clothes based on the ● Ascending or descending order ● Whether the clothes are New or old ● price Low to high ● Gender

1.3 Project Objective

This project aims to make an effective E-commerce website to

- Provide Customer Direct to Seller(D2C)
- Make buying and selling clothes an intuitive process
- Making it easy to keep order details and invoices
- Making it easy to keep order details and invoices
- Making it easier to search for clothes
- To reduce the cost of operation
- To Reduce time consumption
- To Reduce human error
- To reduce paperwork

1.4 Project Scope

The scope of this system is confined to one country and it involves multiple customers and sellers and is internet based.This system is a multi-vendor system as it allows customers to buy and browse clothes from multiple sellers.

2.Overall Description

2.1 Product Perspective

The Product is a web-based system implementing a client-server model.The E-Commerce website provides a simple way for buying and selling clothes for multiple users.

The following are the main features that are included in the E-Commerce system:

- Multi-vendor system: The system allows multiple people to sell clothes on the same website

- Number of users being supported by the system: System is able to support a large number of online users at a time.

- Sorting: The system provides a generous categories to sort clothes with

2.1.1 Hardware Interface/ Hardware Specification

1. Screen resolution of at least 640 x 480 or above.

2. Computer System will be in a networked environment.

3. Minimum ram required 4 GB

4. Minimum memory required 500mb

5. Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)

2.1.2 Software Interface/ Software Specification

1. MS-Windows Operating System (7/8.1/10)

2. Visual studio 2022 for backend, C# and .NET Framework

3. Microsoft Server Management Studio

3.System Planning

3.1 Software Engineering Model

Software engineering model used to build the proposed system is the "Agile Software Development model"

4.System Specific Requirements

4.1 Functional Requirements

1. **Manage Login/Registration**

2. **Manage Customers**

3. **Manage Seller**

4. **Manage Profile**

5. **Manage clothes**

6. **Manage Cart**

7. **Manage Orders**

8. **Manage Wishlist**

9. **Manage coupon**

10. **Manage carousel**

1.Manage Login/Registration

RN	Description	Comments (operation)
FR1	System shall allow Admin and Customer to register in the system.	Registration page
FR2	The Admin shall register any Sellers.	Seller Registration
FR3	Admin and Customer have to provide a username, password and valid Email and Mobile number to register EmailID will be verified by sending an OTP	Registration page
FR4	System shall validate Admin, Customer and Seller with username, password, role and status only then allow them to login into the system.	Login page
FR5	System shall provide 'forget password' functionality to valid Customers and Sellers who have forgotten their password. Password shall be reset by sending a OTP in email or mobile	Forget password page (OTP by mail)
FR6	To manage this module the following operations shall be performed by the: Admin: ● Shall be able to view Registered Customer and Seller details ● Shall be able to set status as active or inactive	

2.Manage Customer

RN	Description	Comments (operation)
FR1	Customers shall be able to view clothes without login.	Homepage
FR2	Customers have to login before they shall be able to access the cart, wishlist and order page.	Add to cart page,Wishlist page,Order page
FR3	Logged in Customer shall be able to add clothes to cart and view cart	Add to cart page
FR4	Logged-in Customers shall be able to add the clothes to the wishlist and later view the wishlist.	Wishlist page
FR5	Logged in Customer shall be able to give feedback	Feedback
FR6	Logged-in Customers shall be able to place an order using either Cash on Delivery (COD) or using a payment gateway.	Order page
FR7	To manage this module the following operations shall be performed by the: Admin: ● shall be able to view, update and delete customer details ● shall be able to set status of customer	

3.Manage Seller

RN	Description	Comments (operation)
FR1	Logged in Seller shall be able to add, view, update and delete their clothes	Homepage
FR2	Seller shall be able to view orders placed for their clothes	Orders page
FR3	Seller shall be able to change clothes status	Orders page
FR5	To manage this module the following operations shall be performed by the: Admin ● View seller details ● Change seller status (Active or Deactive)	

4.Manage Profile

RN	Description	Comments (operation)
FR1	Logged in Customer ,seller and Admin can view their profile	Profile
FR2	Admin, Customer and Seller can change their password using 'Change password' functionality by providing their old password	Profile

5.Manage Clothes

RN	Description	Comments (operation)
FR1	Admin shall be able to add, view, update and delete clothes	Clothes page
FR2	Admin shall be able to set 'best seller' status of clothes	Set Category
FR3	Logged in Seller shall be able to add, view, update and delete their clothes	Homepage
FR4	Customer shall be able to browse for clothes and either add them to cart or wishlist	Homepage
FR5	Customers shall be able to filter for clothes based on their price and category either in ascending or descending order	Homepage, Search Bar
FR6	System shall allow users to search for clothes either by searching for them by name in the search bar or by browsing the home page or by their category	Homepage

FR7	Categories include	
	Men, Women	
	Under Men subcategories include:	
	● Top	
	○ Formal Shirt	
	○ T-shirt	
	○ Casual Shirt	
	○ Sweater	
	○ jacket	
	● Bottom	
	○ Jeans	
	○ Formal Trousers	
	○ Casual Trousers	
	○ Shorts	
	○ Track Pants	
	Under Women subcategories include:	
	● Tops	
	● Dresses	
	● Sweaters	
	● Jackets & Coats	
	● Jeans	
	● Shorts	
	● Skirts	
	● Trousers	

6.Manage Cart

RN	**Description**	**Comments (operation)**
FR1	Only logged in Users like Customer shall be able to access cart	Add to cart page
FR2	Customers shall be able to add, view, update and remove clothes from cart	Add to cart page
FR3	Cart contains clothes details like: clothes image, name and price and total price.	Add to cart page

FR4	To manage this module the following operations shall be performed by the: Admin: ● add, view and delete clothes from cart	Add to cart page

7.Manage Orders

RN	Description	Comments (operation)
FR1	Admin shall be able to view orders placed, order details and their status.	Order page
FR2	Admin and Seller shall be able to change order status from 'pending' to delivered, in COD or Cash On Delivery status is changed automatically on order to 'placed', In payment gateway mode order is set to 'placed' on successful payment.	Order detail page
FR3	Customer shall be able to see their order placed and view its status	Order detail page

FR4	Customer shall be able to view and download receipt of placed order	Order detail page
FR5	Seller shall be able to see orders placed for their clothes and change its status	Order placed page
FR6	To manage this module the following operations shall be performed by the: Admin: ● shall be able to view orders placed ● shall be able to set the status of clothes, either pending or delivered Seller: ● Shall be able to view orders, of their clothes placed by customers	Order detail page

8.Manage Wishlist

RN	Description	Comments (operation)
FR1	Only logged in Customers shall be able to access wishlist	Wishlist
FR2	Logged in Customers shall be able to add and remove clothes from wishlist	Wishlist page

FR3	Logged in Customers shall be able to view the wishlist, it contains: ● clothes image ● clothes name ● clothes Price	Wishlist page
FR4	To manage this module the following operations shall be performed by the: Admin: ● admin shall be able to add, delete, view and update wishlist	Wishlist page

9.Manage coupon

RN	Description	Comments (operation)
FR1	Admin shall be able to ,update ,delete and view coupon	Manage coupon
FR2	Customers shall be able to use coupons to get a discount on clothes	Order page

10.Manage carousel

RN	Description	Comments (operation)
FR1	Admin shall be able to add cloth items to carousel view them,update them ,delete them and set the carousel item status	Manage carousel
FR2	Admin shall be able to set the images of carousel items	Manage carousel

11.Manage Categories

RN	Description	Comments (operation)
FR1	Admin shall be able to add,view delete categories	Manage categories
FR2	Admin can change status of activities like active or deactive	Manage categories
FR3	Admin can add sub categories to existing categories and view,update and delete them	Manage sub-categories

4.2 Non-Functional Requirements

1)Performance

1. **Response Time**-shall be no more than 5 seconds for any page load and refresh.
2. **Processing Time**-shall be no more than 20 seconds for any activity like otp mail verification and change password shall be no more than 10 seconds.
3. **Query response**-shall take no more than 10 seconds to fetch and insert or delete data from the database.

2)Security

1. **Login require**d-for any CRUD activity like adding,viewing updating or deleting product to cart or wishlist,adding,viewing updating or deleting new products to website
2. **Password**-shall be at least 8 letters long and should contain one uppercase,one lowercase and one special character

3)Availability

1. **Time-shall** be available at all times
2. **Location-**anywhere with a internet connection within one country
3. **Access**-website shall be available to view for any user,but any other activities require login
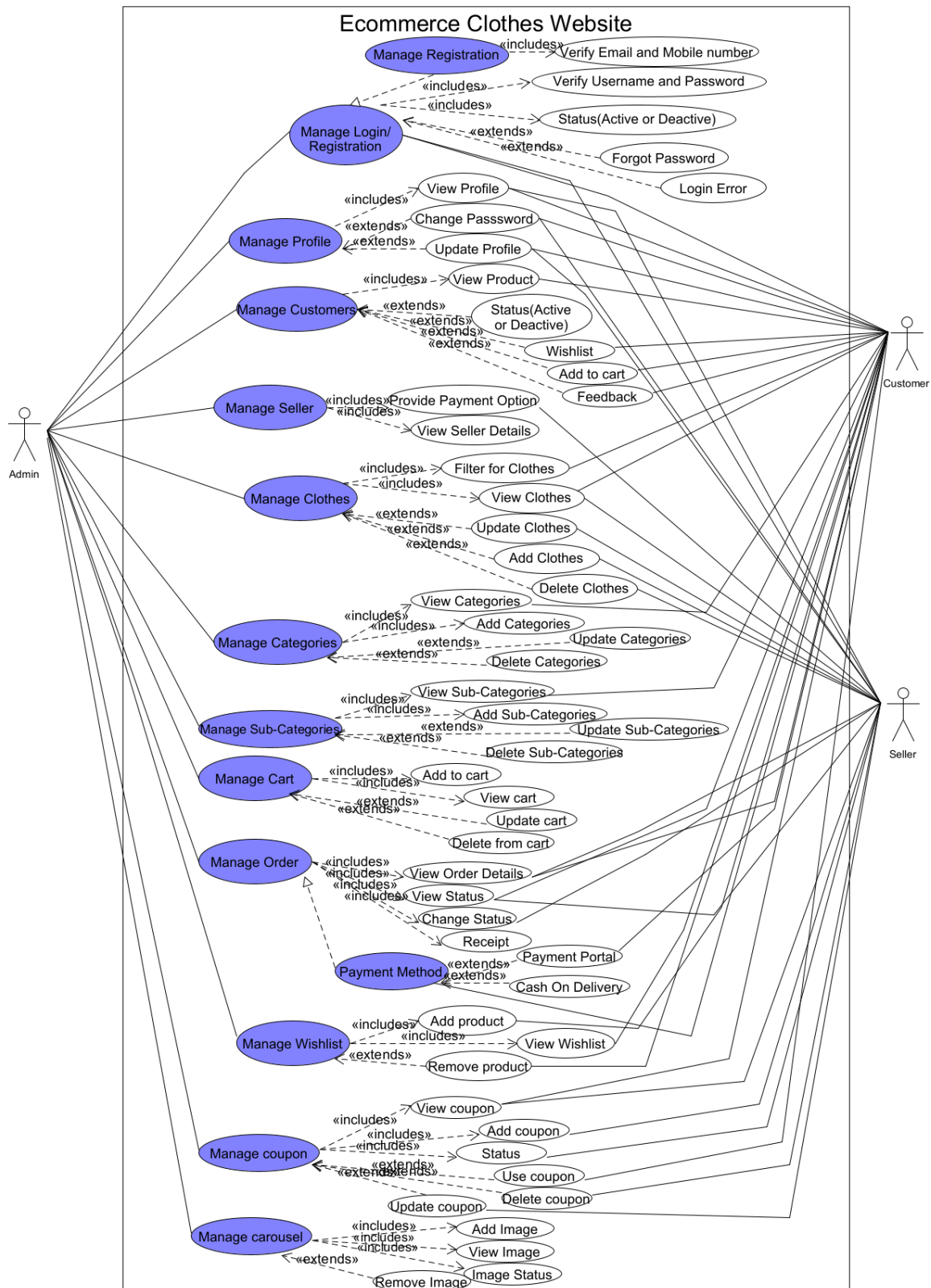
4)Reliability

1. **Downtime**-shall be no more than 4000 hours of downtime in a year
2. **Recovery Time**-shall be no more than 48-72 hours to fix any issues

5)Integrity

1. **Data integrity**-Data is saved on an external server and hence any system crash shall not affect the data.
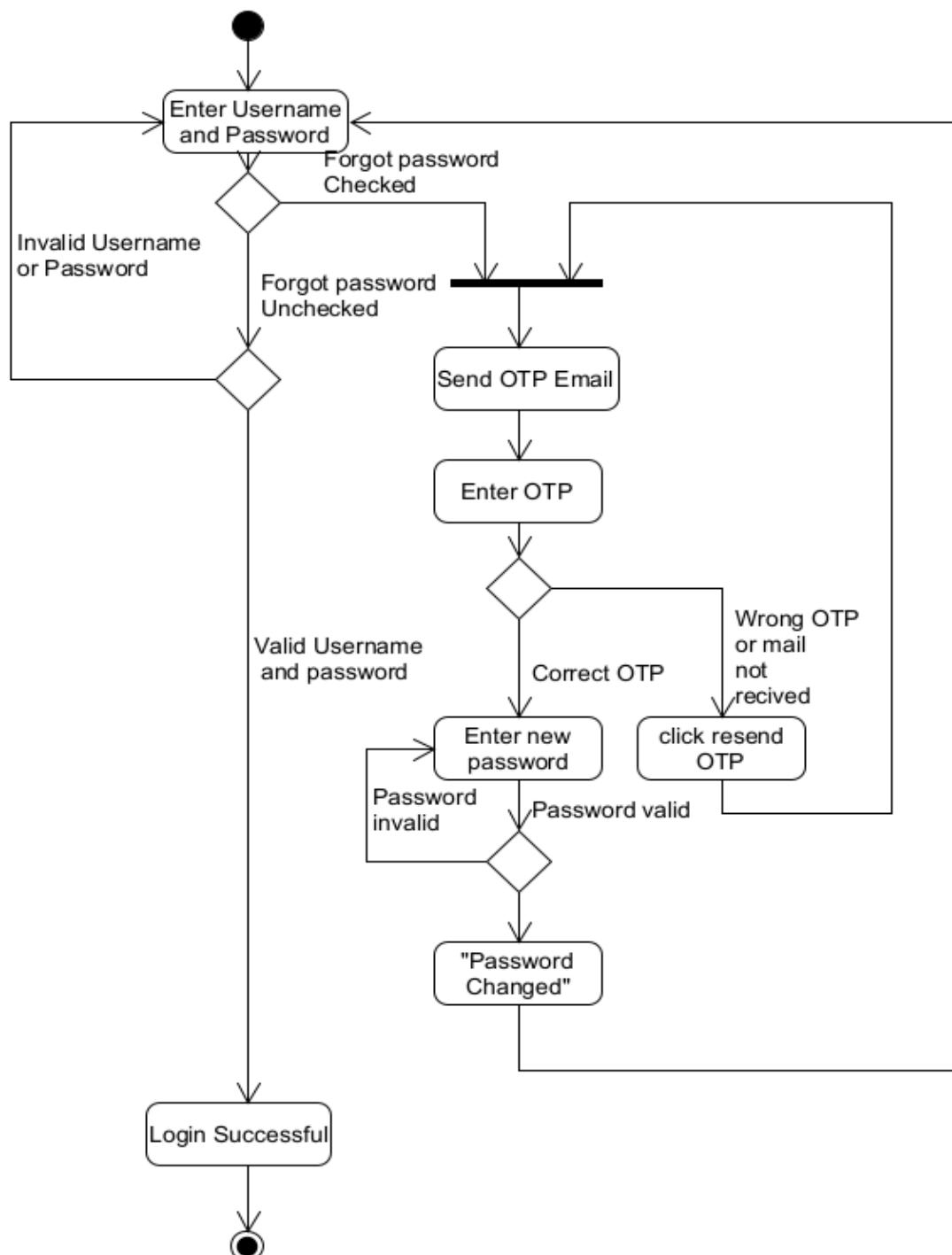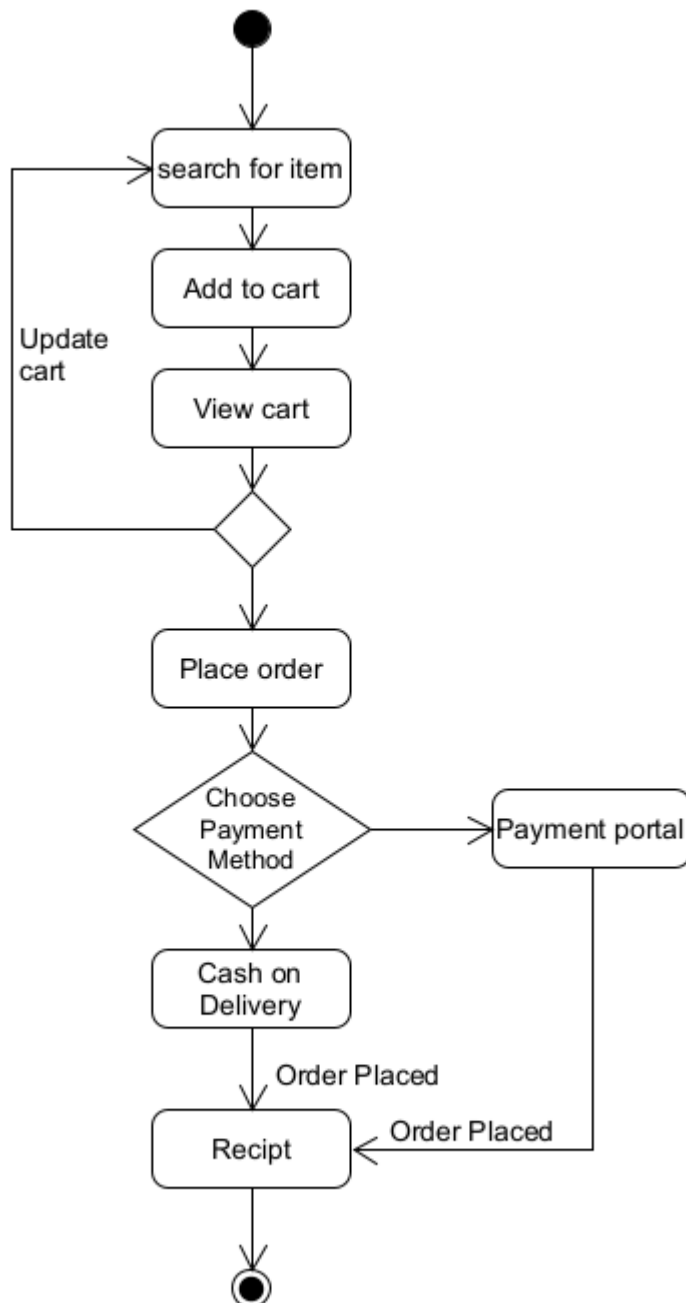
5: SystemAnalysis

5.1 Use Case Diagram

5.2 Activity diagram

Activity diagram for Login

Login

Activity diagram for Order

Chapter 6: System Design

Database Schema

1.admin_users

admin_users
(id[PK],username,password,role,email,mobile,status,created_at,updated_at,deleted_at)

FD:id →{username,password,role,email,mobile,status,created_at,updated_at,deleted_at}

2.carousel

carousel
(id[PK],heading1,heading2,btn_txt,btn_link,image,order_by,status,created_at,updated_at,deleted_at)

FD:id
→{heading1,heading2,btn_txt,btn_link,image,order_bo,status,created_at,updated_at,deleted_at}

3.categories

categories(id[PK],categories,status,created_at,updated_at,deleted_at)

FD:id →{categories,status,created_at,updated_at,deleted_at}

4.color_master

color_master(id[PK],colour,status)

FD:id → {colour,status}

5.contact_us

contact_us(id[PK],name,email,mobile,comment,created_at,deleted_at)

FD:id → {name,email,mobile,comment,created_at,deleted_at}

6.coupon_master

coupon_master(id[PK]coupon_code,coupon_value,coupon_type,cart_min_value,status,created_at,updated_at,deleted_at)

FD:id →
{coupon_code,coupon_value,coupon_type,cart_min_value,status,created_at,updated_at,deleted_at}

7.order

order(id[PK],user_id[FK],address,city,pincode,payment_type,total_price,payment_status,order_status,created_at,txnid,mihpayid,payu_status,coupon_id,coupon_value,coupon_code)

FD:id→{user_id,address,city,pincode,payment_type,total_price,payment_status,order_status,created_on,updated_on,created_at,txnid,mihpayid,payu_status,coupon_id,coupon_value,coupon_code}

8.order_detail

order_detail(id[PK],order_id[FK],clothes_id[FK],qty,price,created_at)

FD:id →{order_id,clothes_id,qty,price,created_at}

9.order_status

order_status(id[PK],name)

FD:id →{name}

10.clothes

clothes (id[PK],categories_id[FK],sub_categories_id[FK],name,mrp,price,qty,image,short_desc,description,best_seller,meta_title,meta_desc,meta_keyword,status,added_by,created_at,updated_at,deleted_at)

FD:id →
{categories_id,sub_categories_id,name,mrp,price,qty,image,short_desc,description,best_s

eller,meta_title,meta_desc,meta_keyword,status,added_by,created_at,updated_at,deleted_at}

11.clothes_review

clothes_review(id[PK],clothes_id[FK],user_id[FK],rating,review,status,created_at,updated_at)

FD: id → {clothes_id,user_id,rating,review,status,created_at,updated_at}

12.sub_categories

sub_categories(id[PK],categories_id[FK],sub_categories,status,created_at,updated_at,deleted_at)

FD:id → {categories_id,sub_categories,status,created_at,updated_at,deleted_at}

13.users

users(id[PK],name,password,email,mobile,created_at,updated_at,deleted_at)

FD:id → {name,password,email,mobile,created_at,updated_at,deleted_at}

14.wishlist

wishlist(id[PK],user_id[FK],clothes_id[FK],created_at,updated_at,deleted_at)

FD: id → {user_id,clothes_id,created_at,updated_at,deleted_at}

15.cart

cart(id[PK],user_id[FK],clothes_id[FK],qty,created_at,updated_at)

FD: id → {user_id,clothes_id,qty,created_at,updated_at}

Database Dictionary

1.admin_users

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of Admin
username	varchar	255	Not null,Unique	Username of admin
password	varchar	255	Not null	Password of admin
role	tinyint	1	Not null	Whether user is admin or Seller
email	varchar	50	Not null,Unique	Valid email of admin
mobile	int	11	Not null,Unique	Valid mobile number
status	tinyint	1	Not null	Whether Active or deactive
created_at	datetime	-	Not null	Date of creation
updated_at	datetime	-	Null allowed	Date of updation
deleted_at	datetime	-	Null allowed	Date of deletion

2.carousel

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of carousel item
heading1	varchar	255	Not null	Heading
heading2	varchar	255	Not null	Subheading
btn_txt	varchar	255	Not null	Text in the button of carousel

btn_link	varchar	55	Not null	Link of the product in carousel
image	varchar	255	Not null	Images used in carousel
order_no	int	11	Not null	Order no of carousel
status	int	11	Not null	Whether active or inactive
created_at	datetime	-	Not null	Date of creation
updated_at	datetime	-	Null allowed	Date of updation
deleted_at	datetime	-	Null allowed	Date of deletion

3.categories

Field	Type	Size	Constraint	Description
categories_id	int	11	Primary Key	Id of categories
categories	varchar	255	Not null	Name of categories
status	tinyint	4	Not null	Whether active or inactive
created_at	datetime	-	Not null	Date of creation
updated_at	datetime	-	Null allowed	Date of updation
deleted_at	datetime	-	Null allowed	Date of deletion

4.color_master

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of colour
colour	varchar	255	Not null	Name of colour used
status	tinyint	4	Not null	Whether active or inactive

5.contact_us

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of contact message
name	varchar	255	Not null	Name of message sender
email	varchar	75	Not null,Unique	Email of message sender
mobile	int	11	Not null,Unique	Mobile number of message sender
comment	text	-	Not null	Message sent
created_at	datetime	-	Not null	Date of message
updated_at	datetime	-	null	Updated date

6.coupon_master

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of coupon
coupon_code	varchar	50	Not null	Code of coupon
coupon_value	int	11	Not null	Value of coupon
coupon_type	varchar	10	Not null	Type of coupon
cart_min_value	int	11	Not null	Minimum value needed to apply coupon
status	tinyint	1	Not null	Whether active or deactive
created_at	datetime	-	Not null	Date of creation
updated_at	datetime	-	Null allowed	Date of updation
deleted_at	datetime	-	Null allowed	Date of deletion

7.order

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of order placed
user_id	int	11	Not null,Unique	Foreign Key from user table. Id of customer who placed order
address	varchar	250	Not null	Address of customer
cityid	varchar	50	Not null	City where customer resides
pincode	int	11	Not null	Pincode of the location
payment_type	varchar	20	Not null	Payment type whether cash on delivery or payment portal
total_price	double	-	Not null	Total price of all products
payment_status	varchar	20	Not null	Status of payment whether paid or pending
created_at	datetime	-	Not null	Date of creation
txnid	varchar	20	Not null	Transaction Id
mihpayid	varchar	20	Not null	Merchant id
payu_status	varchar	10	Not null	Payu status
coupon_id	int	11	Foreign Key	Foreign Key From coupon master table Id of coupon
coupon_value	int	11	Not null	Value of coupon
coupon_code	varchar	50	Not Null	Code of coupon

8.order_detail

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of order_details
order_id	int	11	Not null,Unique	Foreign Key from order table. Id of Order
clothes_id	int	11	Not null,Unique	Foreign Key from clothes table. Id of clothes in order
clothes_attr_id	int	11	Not null,Unique	Foreign Key from clothes attribute table. Id of attribute of clothes
qty	int	11	Not null	Quantity of clothes
price	double	-	Not null	Price of a single cloth
created_at	datetime	-	Not null	Date of creation

9.order_status

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of order status
name	varchar	32	Not null	Whether order is pending or placed

10.Clothes

Field	Type	Size	Constraint	Description
clothes_id	int	11	Primary Key	Id of clothes
categories_id	int	11	Not null,Unique	Foreign Key from categories table. Id of category that cloth belong to
sub_categories_id	int	11	Not null,Unique	Foreign Key from sub categories table. Id Subcategory of clothes
name	varchar	255	Not null	Name of cloth
mrp	double	-	Not null	Maximum price
price	double	-	Not null	Price of product sold at
qty	int	11	Not null	Quantity of clothes available
image	varchar	255	Not null	Image of cloth
short_desc	varchar	200	Not null	Short description about the cloth item
description	text	-	Not null	Full description of cloth item
best_seller	tinyint	1	Not null	Whether the item is set to best seller or not
meta_title	varchar	200	Not null	The meta title of cloth item
meta_desc	varchar	200	Not null	The meta description of cloth item

meta_keyword	varchar	200	Not null	The meta keyword of cloth item
added_by	int	11	Not null	cloth added by user
created_at	datetime	-	Not null	Date of creation
updated_at	datetime	-	Not null	Date of updation
status	tinyint	4	Not null	Whether the cloth item is active or not

11.Clothes_review

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of review
clothes_id	int	11	Not null,Unique	Foreign Key from table. Id of clothes
user_id	int	11	Not null,Unique	Foreign Key from user table. Id of user
rating	varchar	20	Null allowed	Rating of review
review	text	-	Null allowed	Review given by
status	tinyint	1	Not null	Status of review
created_at	datetime	-	Not null	Date of review
updated_at	datetime	-	null	Updated date

12.sub_categories

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of subcategory
categories_id	int	11	Not null,Unique	Foreign Key from categories table Id of categories
sub_categories	varchar	100	Not null	Name of sub categories
status	int	11	Not null	Whether active or deactive
created_at	datetime	-	Not null	Date of creation
updated_at	datetime	-	Null allowed	Date of updation
deleted_at	datetime	-	Null allowed	Date of deletion

13.users

Field	Type	Size	Constraint	Description
user_id	int	11	Primary Key	Id of user
name	varchar	255	Not null	Name of user
password	varchar	50	Not null	Password of user
email	varchar	50	Not null,Unique	Valid email of user
mobile	int	11	Not null,Unique	Mobile number of user
created_at	datetime	-	Not null	Date of creation
updated_at	datetime	-	Null allowed	Date of updation
deleted_at	datetime	-	Null allowed	Date of deletion

14.wishlist

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of wishlist
user_id	int	11	Not null,Unique	Foreign Key from user table Id of user
Clothes_id	int	11	Not null,Unique	Foreign Key from clothes table Id of clothes
created_at	datetime	-	Not null	Date of creation
updated_at	datetime	-	Null allowed	Date of updation
deleted_at	datetime	-	Null allowed	Date of deletion

18.cart

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of wishlist
user_id	int	11	Not null,Unique	Foreign Key from user table Id of user
clothes_id	int	11	Not null,Unique	Foreign Key from user table Id of user
qty	int	11	Not null	quantity
created_at	datetime	-	Not null	Time of creation
updated_at	datetime	-	Null allowed	Time of update

Chapter 7:System Implementation

7.1 Screenshots

Home page
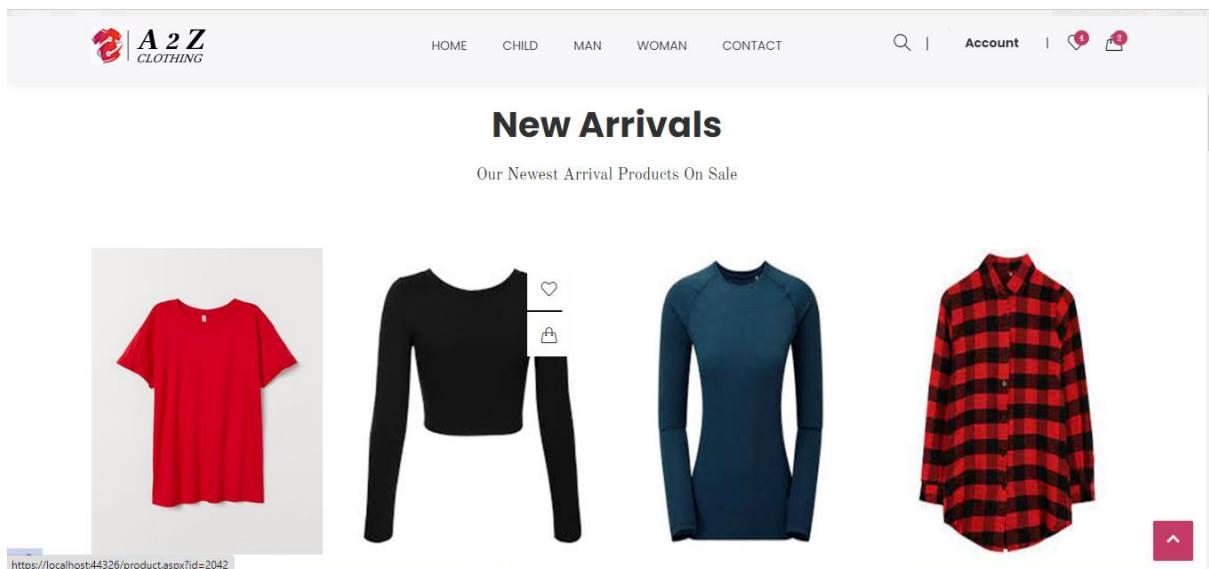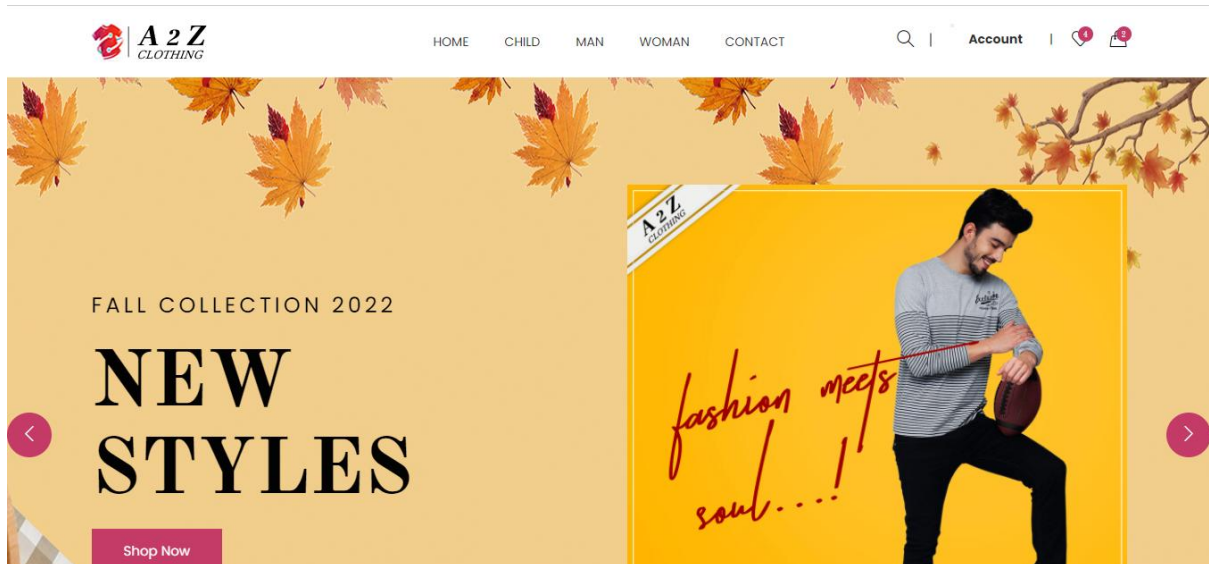
Search function

tshirt

Boys White Graphic Tshirtt	Boys Yellow Pure Cotton T-Shirtt	Boys White Party TShirt1t	Boys Red Typography Printed Tsh
900.00 **599.00**	1000.00 **599.00**	900.00 **742.00**	1000.00 **742.00**

Menu options
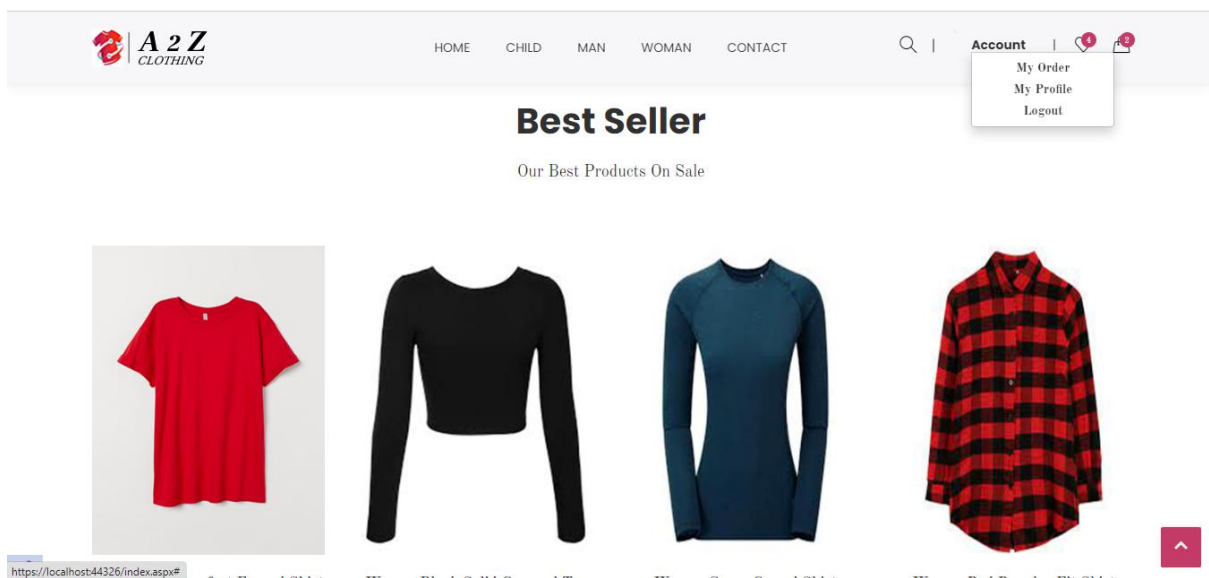
A 2 Z CLOTHING

HOME   CHILD   MAN   WOMAN   CONTACT

Account

My Order
My Profile
Logout

Best Seller

Our Best Products On Sale

https://localhost:44326/index.aspx#

Product page

WOMEN BLACK SOLID CROPPED TOP

800.00 **599.00**

Glittery cropped top with cutout sections at the front, a small stand-up collar and long sleeves. Small opening with two buttons at the back of the neck.

Availability: **In Stock**

Qty:

[1 ⌄]

Categories: Woman

[+Add to cart]

Login and registration

PROFILE

urvish

[SUBMIT]

CHANGE PASSWORD

Current Password*

New Password*

Conform New Password*

[UPDATE]
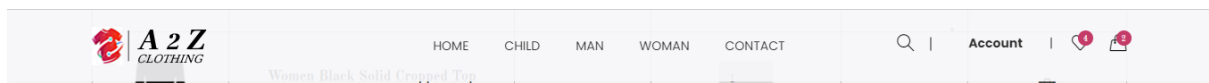
Cart page
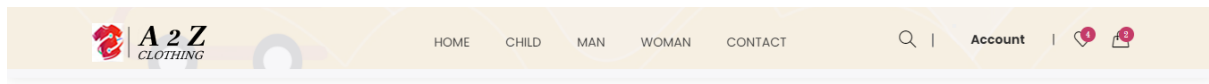
PRODUCTS	NAME OF PRODUCTS	PRICE	QUANTITY	TOTAL	REMOVE
	Women Black Solid Cropped Top 800.00 **599.00**	599.00	1 update	599	
	Women Red Comfort Formal Shirts Sdfsdfsd 500.00 **399.00**	399.00	2 update	798	

CONTINUE SHOPPING   CHECKOUT

	Women Black Solid Cropped Top 800.00 **599.00**	599.00	update	599	
	Women Red Comfort Formal Shirts Sdfsdfsd 500.00 **399.00**	399.00	2 update	798	

CONTINUE SHOPPING   CHECKOUT

Payment information

Payment option

Order placed page

Order Id	Order Date	Address	Payment Type	Payment Status	Order Status
25	2/16/2022 10:04:35 AM	royal	payu	Pending	Canceled
26	2/16/2022 7:24:00 PM	royal recedency	payu	Pending	Shipped
28	2/17/2022 8:50:57 AM	royal recedency	payu	Pending	Complete
29	2/17/2022 1:54:10 PM	royal recedency	payu	Pending	Canceled
1028	2/19/2022 1:01:38 PM	royal	payu	Pending	Pending

8.Testing

8.1Test cases

8.1.1 Login

Test Case Id	Test Case Description	Input-1	Input-2	Input-3	Input-4	Input-5	Expected Result	Remark (if any)
		Username	Password	OTP	New Password	Retype new Password		
TC1	Attempt to login	Valid input	Valid input	-	-	-	Login Success	OTP,New password and Retype password are for forget password
TC2	Attempt to login	Invalid Input	Valid/Invalid input	-	-	-	Login Fail	Both username and password need to be valid
TC3	Attempt to login	Valid/Invalid Input	Invalid Input	-	-	-	Login Fail	
TC3	Forget Password	Valid Input	-	Valid Input	Valid Input	Valid Input	Password changed successfully	

TC4	Forget Password	Invalid Input	-	Valid/Invalid Input	Valid/Invalid Input	Valid/Invalid Input	Password change failed	Correct username must be added to change password
TC5	Forget Password	Valid Input	-	Invalid Input	Valid/Invalid Input	Valid/Invalid Input	Password change failed	Correct OTP must be added for password change
TC6	Forget Password	Valid Input	-	Valid/Invalid Input	Invalid Input	Valid/Invalid Input	Password change failed	New password can't be the same as old password
TC7	Forget Password	Valid Inpu	-	Valid/Invalid Input	Valid/Invalid Input	nvalid Input	Password change failed	Retyped password must be the same as new password

8.1.2 Change password

Test Case Id	Test Case Description	Input-1		Input-2		Expected Result	Remark (if any)
		old password		new password			

TC1	Attempting to change password	valid input	valid input	password changed	Passwords should be a minimum of 8 digits or letters containing uppercase and lowercase letters.
TC2	Attempting to change password	Invalid Input	Valid/Invalid input	Password change failed	Users must know their old password to change it
TC3	Attempting to change password	Valid Input	Invalid input	Password change failed	Old password can't be the same as the new password

Future Enhancement

In the future System shall be able to:

- Generate reports based on Product sales.

- Shall be able to work in multiple countries.

- Shall be able to allow multiple payment portals.

Conclusion

The system shall be able to provide multiple sellers to easily sell and customers to buy products online making buying and selling products hassle-free. The system shall also be able to provide filtering which will be able to make searching for products easier.

Bibliography

- Dave Mercer -ASP.NET -A beginner's Guide

- c-Sharpcorner.com

- tutorialspoint.com

11

clothes_attributes(clothes_attr_id,clothes_id,size_id,color_id,mrp,price,qty)

FD:clothes_attr_id→ clothes_id,size_id,color_id,mrp,price,qty

12.clothes_images

clothes_images(id[PK],clothes_id,clothes_images)

FD: id → clothes_id,clothes_images

14.size_master

size_master(id[PK],size,status)

FD:id → {size,status}

12.Clothes_images

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of image
clothes_id	int	11	Not null,Unique	Foreign Key from clothes table. Id of clothes
clothes_images	varchar	250	Not null	Image of cloth item

14.size_master

Field	Type	Size	Constraint	Description
id	int	11	Primary Key	Id of size
size	varchar	255	Not null	size
status	tinyint	4	Not null	Whether active or deactive

11.Clothes_attributes

Field	Type	Size	Constraint	Description
clothes_attr_id	int	11	Primary Key	Id of attributes of clothes
clothes_id	int	11	Not null,Unique	Foreign Key from clothes table. Id of clothes
size_id	int	11	Not null,Unique	Id of size of clothes
color_id	int	11	Not null,Unique	Id of colour
mrp	int	11	Not null	Maximum retail price
price	int	11	Not null	Sale price of product
qty	int	11	Not null	Quantity