Cégep de la Gaspésie et des Îles

Documentation

On

Selling Clothes
Mobile Application

Project Coordinator

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Project Guide

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Introduction

Selling Clothes application is an Android project. It allows the user to select and buy the products from the application. Sell Clothes Mobile App consists of a User side. User side has two options, Customer and Seller. Sellers need to be registered users, so they can post ads about future events. Customers may or may not be registered but they can see the latest offers. They can buy an item listed in the sales as online trade. Database Architecture includes an online payment system and user/even structure. This whole project has only one concept, that is to provide a wide range of products to their customers. You can select any type of product you want to buy. You have to provide the proper shipping details. Here, when you run the project you can see the welcome screen of this project. In order to run the project, first, install Android Studio. Then import the project from the studio's homepage. Your project set up will automatically start. All the Gradle build files will automatically install inside your project root directory. Run the project and set up your virtual device and run the emulator. The project will start and there you can see different lists and options from this commerce site. Here, in this project, you can select different types of products from a variety of clothes. Then from those options, you can select any type of product you want to buy.

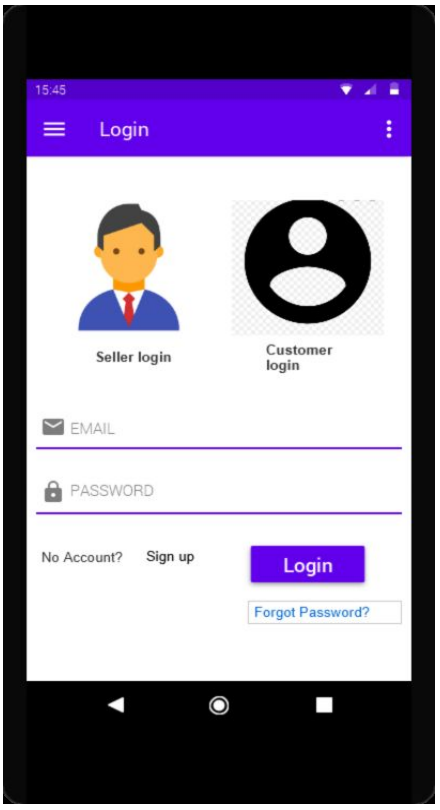
AIM

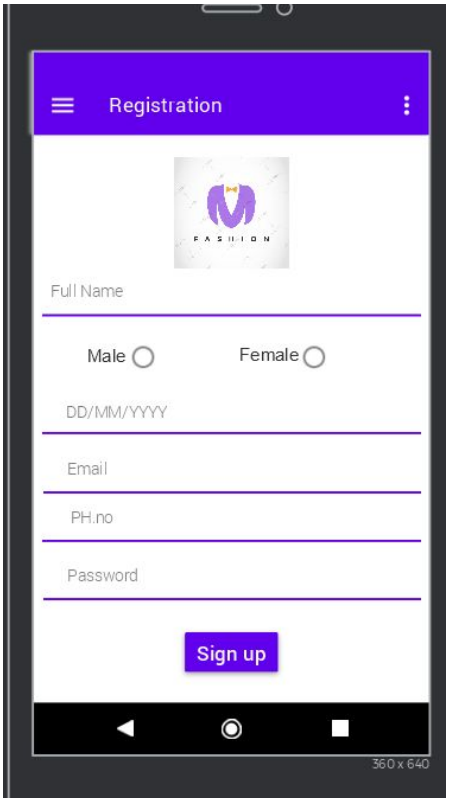
To produce an Android-based system that allows users to register and buy clothing online, the seller effectively manages their online store, the seller to verify clothes and users to check upon the store. The main aim of this App is to be a powerful means of engaging an audience and delivering a better experience.

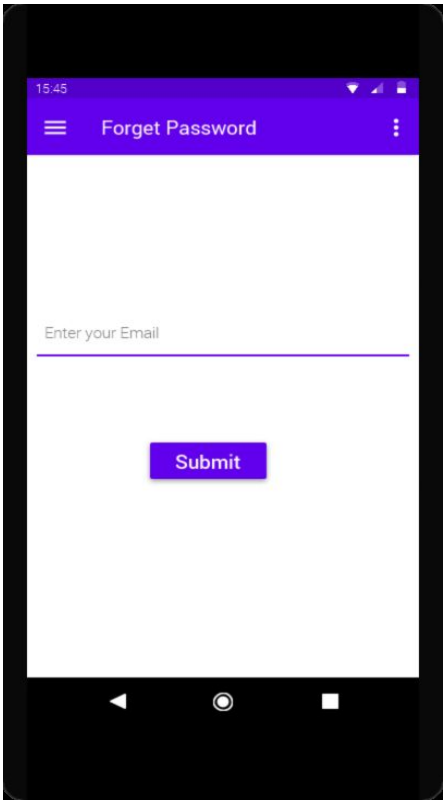
Description

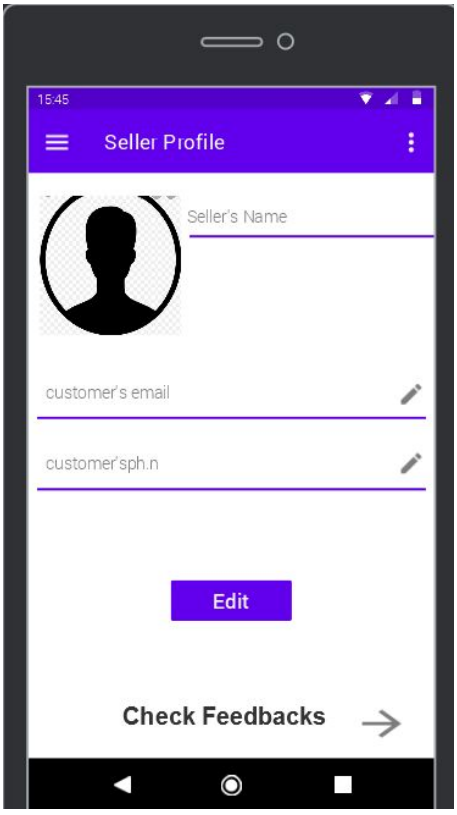
The idea is to develop an app to ease the process of finding the perfect clothes for people living anywhere in Canada. The app allows the user to efficiently visualize the store to buy clothes. The user can then click any product to display additional information such as price, description. The user can also add a filter so that only clothes in a given price range are displayed. The user can also add liked clothes to a list to review them later. On the other hand, a seller must create an account if they wish to sell online . When logged in, the user has access to the offers section where he would be able to see only the clothes which are on sale.

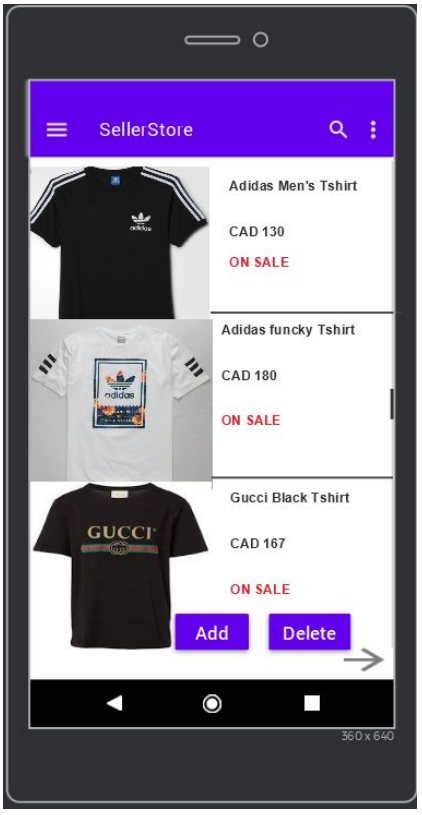
Mock-Ups of Application

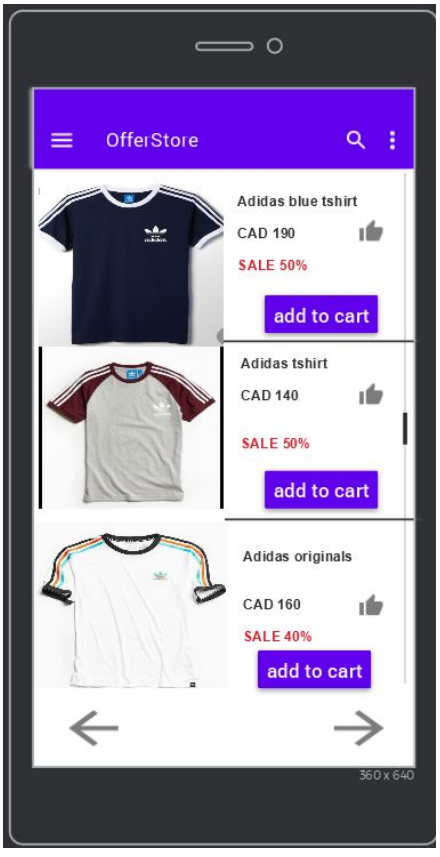


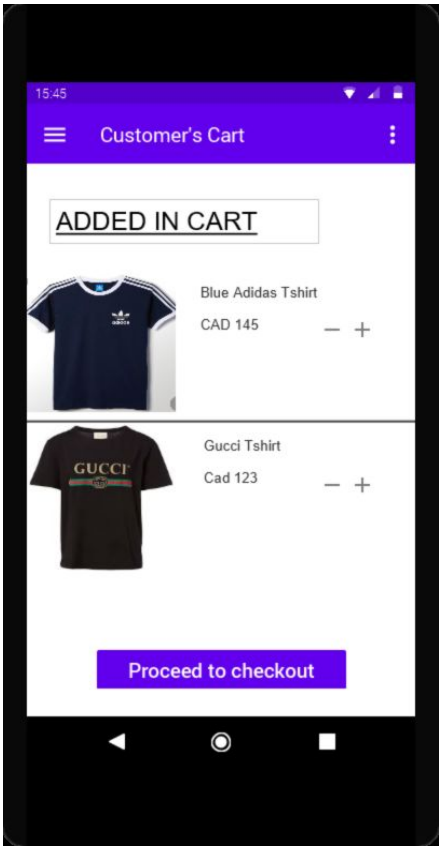


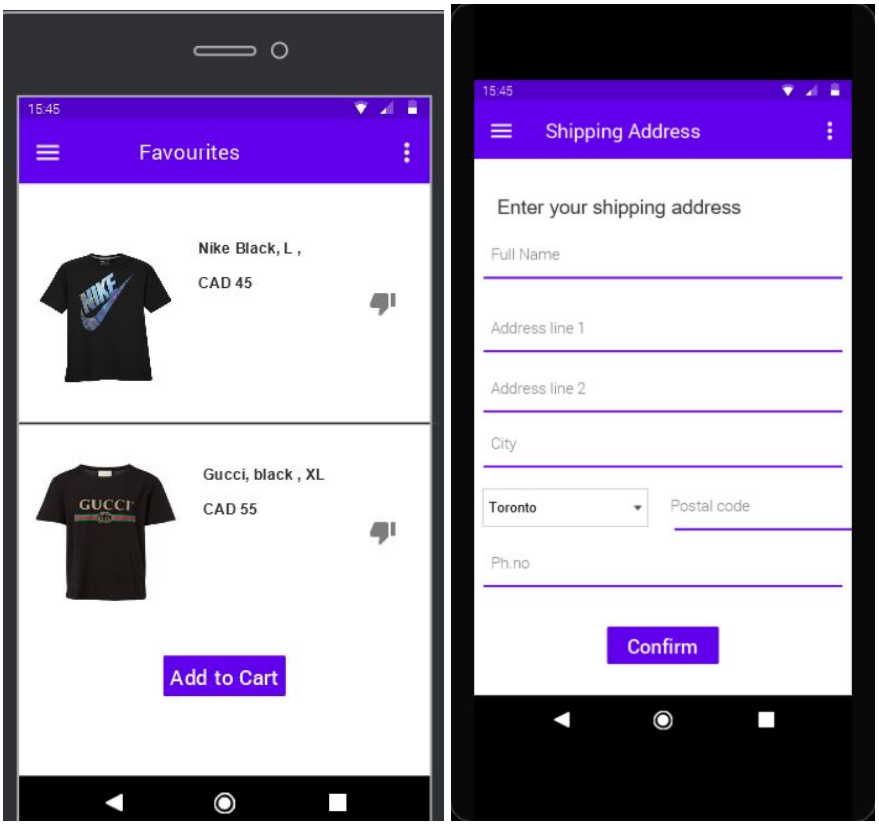


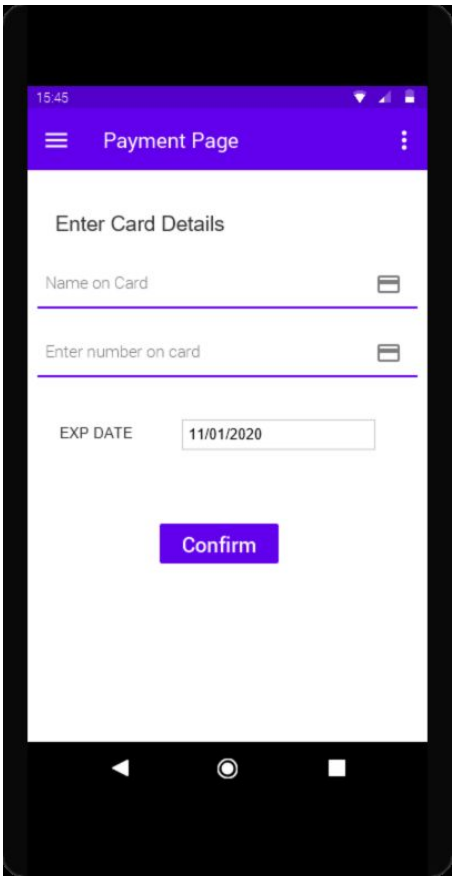

15:45
Seller Profile
Seller's Name
customer's email
customer'sph.n
Edit
Check Feedbacks

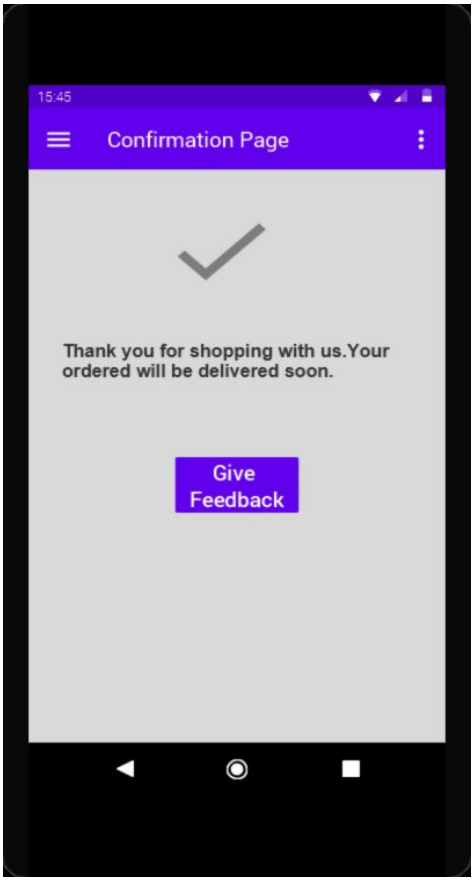

SellerStore
Adidas Men's Tshirt
CAD 130
ON SALE
Adidas funcky Tshirt
CAD 180
ON SALE
Gucci Black Tshirt
CAD 167
ON SALE
Add
Delete
360 x 640

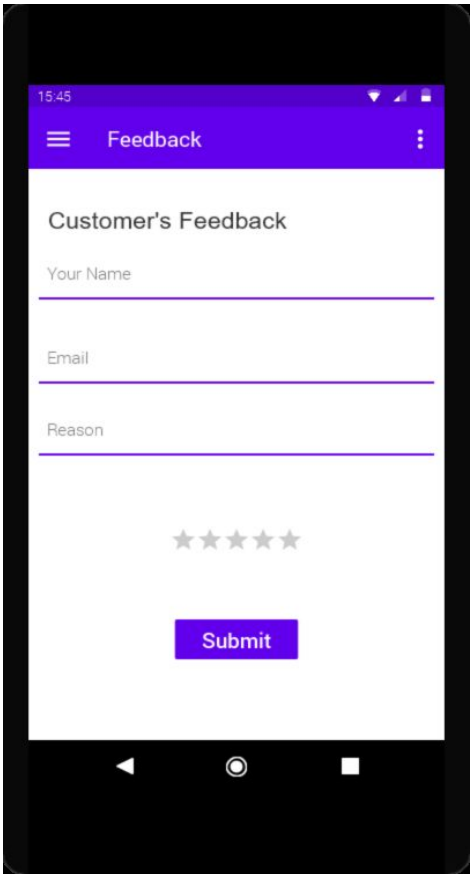

OfferStore
Adidas blue tshirt
CAD 190
SALE 50%
add to cart
Adidas tshirt
CAD 140
SALE 50%
add to cart
Adidas originals
CAD 160
SALE 40%
add to cart
360 x 640


15:45
Customer's Cart
ADDED IN CART
Blue Adidas Tshirt
CAD 145
Gucci Tshirt
Cad 123
Proceed to checkout


15:45
Favourites
Nike Black, L ,
CAD 45
Gucci, black , XL
CAD 55
Add to Cart
15:45
Shipping Address
Enter your shipping address
Full Name
Address line 1
Address line 2
City
Toronto
Postal code
Ph.no
Confirm


15:45
Payment Page
Enter Card Details
Name on Card
Enter number on card
EXP DATE
11/01/2020
Confirm


15:45
Confirmation Page
Thank you for shopping with us.Your ordered will be delivered soon.
Give Feedback


15:45
Feedback
Customer's Feedback
Your Name
Email
Reason
Submit

MyOrders
Nike,Tshirt 89CAD
Gucci,Tshirt 90CAD
Adidas, Tshirt 89CAD
Back
360 x 640

Specific Requirements

Functional Requirements

Requirement ID	Requirement Statement	Must/Should/Could/ Would	Comments
FR001	User Signup	Must	User must sign up to login.
FR002	Login	Must	User need to register compulsory to login
FR003	Reset Password/Forget Password	Should	The user will reset his/her password when needed
FR004	Profile	Must	User can able to update/edit modify user details like mobile number, email, In user profile
FR005	Add to cart	could	User can add clothes he liked into a customer cart.
FR006	Place Order	Could	User will purchase the product he likes by placing order
FR007	Search Product	Could	User will search the product he is looking for.
FR008	My orders	Should	User will check the orders placed by him from the beginning.
FR009	View ratings	Could	User can able to view ratings for the products he is wishing to purchase.
FR010	Filters	Could	Users can look for the products based on price range, colors, type of product and more using filters

FR011	Seller Login	Must	Seller must login to the application using his/her credentials
FR012	Seller Registration	Must	Seller must register into the application by providing the basic details
FR013	Add product	Must	Seller should add the product details and description he is willing to sell in the application
FR014	Check orders	Must	Seller will check the orders placed by the customers to deliver them
FR015	Profile	Should	Seller can able to update/edit modify user details like mobile number, email, In profile
FR016	Feedbacks	Should	Seller should check the feedbacks of the customer so that he can improve his business
FR017	Filter	Should	User should be able to select among his/her choices of price, model, new arrivals from the available stock

Non-Functional Requirements

Requirement Id	Requirement Statement	High/Medium/Low	Comments

NRF 1	Performance	High	Application's performance depends on the compatibility of the device.
NRF 2	Capacity	Low	This App is designed to deliver enough functionality required by the end users.
NRF 3	Portability	High	This application runs on Android Devices.
NRF 4	Security	High	Only allows the authorized users to get access to the app either admin or user.
NRF 5	Usability	High	This app design is simple to understand and easy to use even for the person who does not have good knowledge of phones.
NRF 6	Efficiency	High	All the activities work smoothly one after another.
NRF 7	Consistency	High	Liked-items should always be displayed and act the same way across the entire application (and even between applications).
NRF 8	Scalability	Medium	It is a non-functional property of a system that describes the ability to appropriately handle increasing (and decreasing) workloads.

Other Requirements

Hardware Requirements

- Android Mobile
- Connector..

Software Requirements

Front end: XML
Programming: Java
Back end: MySQL

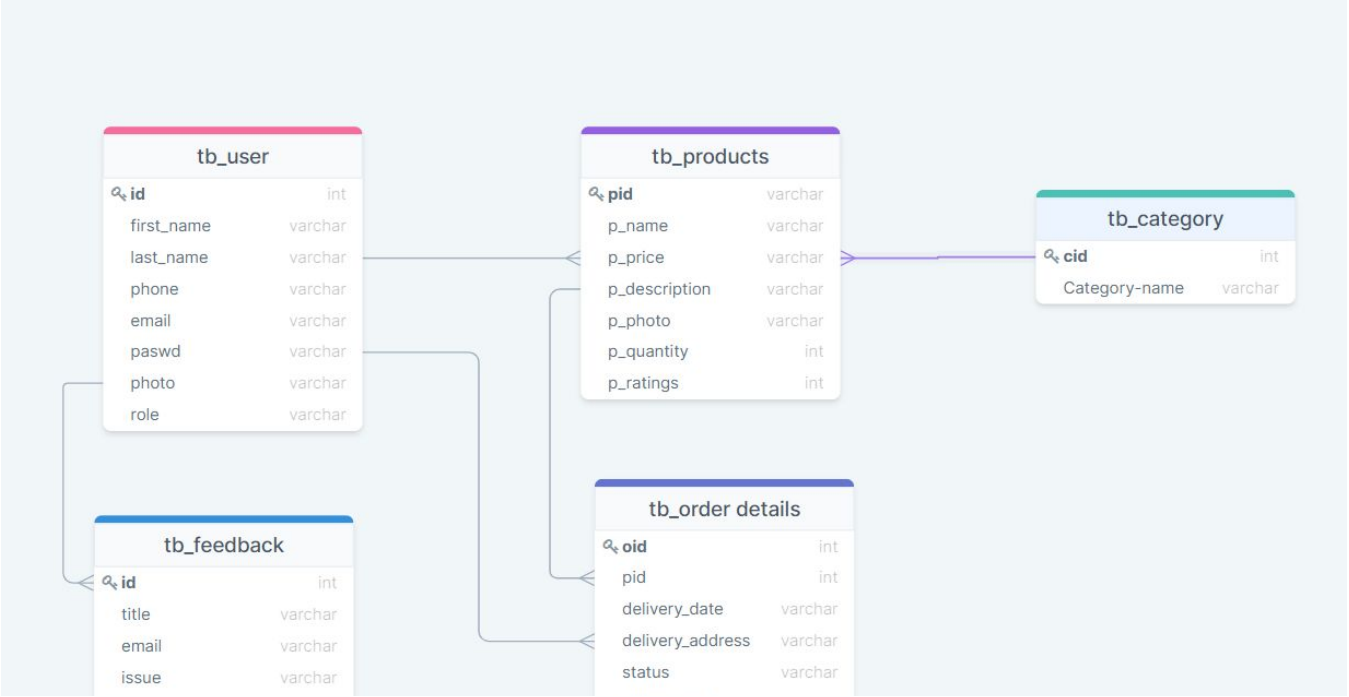
1. MySQL: MySQL is a database, widely used for accessing querying, updating, and managing data in databases.

IDE: Android Studio Android 4.2 or above

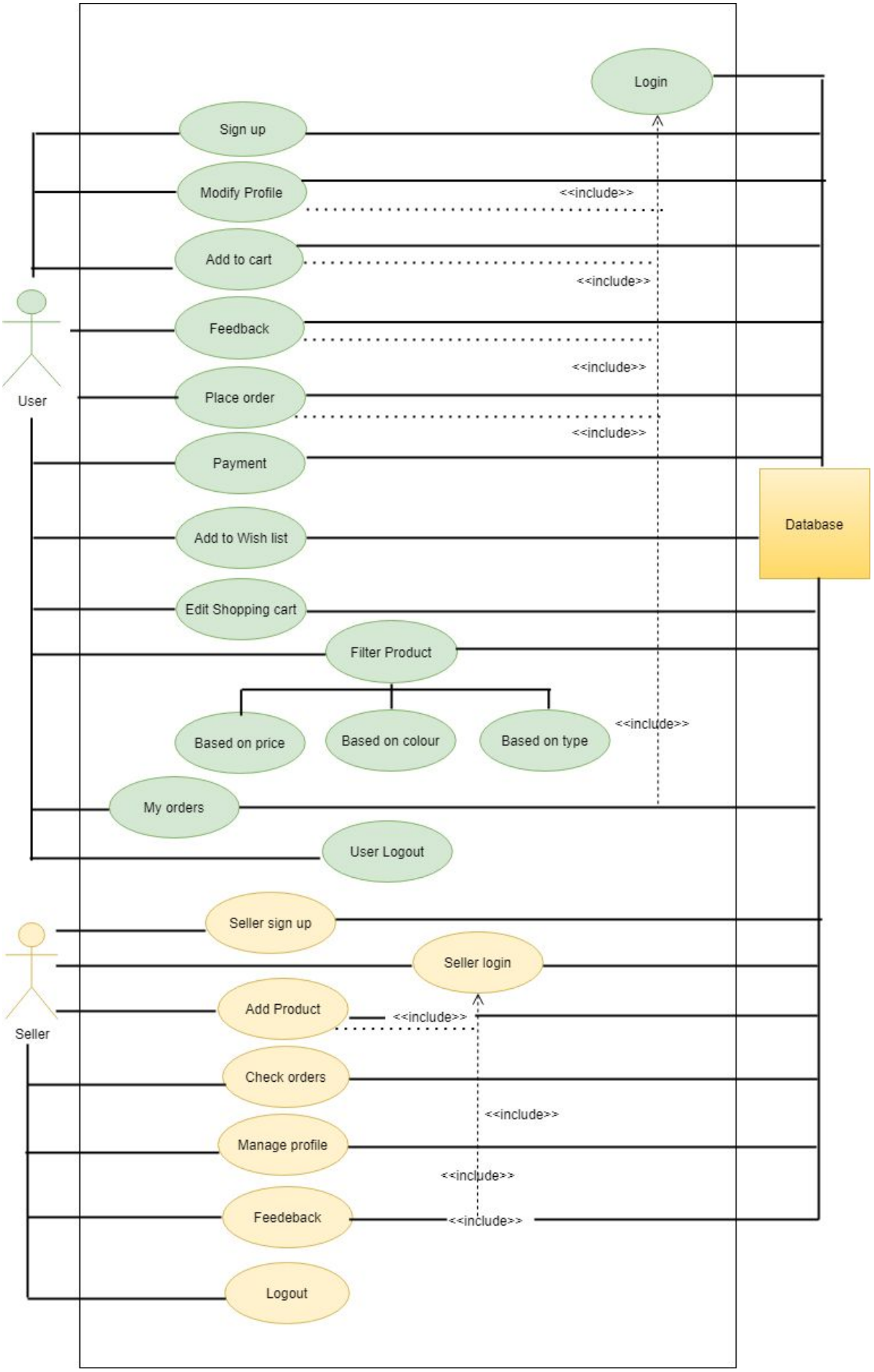
Sprint Timeline

Iterations	Deliverables	Date
1.	• functional and non functional requirements. • Mock ups • Database creation	10-11-2020
2.	• User stories • Database Schema • Use Case diagram • Design- Splash,Login Registration, Search, Orders	17-11-2020
3.		

DATABASE SCHEMA



Use Case Diagram


Login
Sign up
Modify Profile
<<include>>
Add to cart
<<include>>
User
Feedback
<<include>>
Place order
<<include>>
Payment
Database
Add to Wish list
Edit Shopping cart
Filter Product
Based on price
Based on colour
Based on type
<<include>>
My orders
User Logout
Seller sign up
Seller login
Seller
Add Product
<<include>>
Check orders
<<include>>
Manage profile
<<include>>
Feedeback
<<include>>
Logout

Use-Cases

Use Case ID	UC1	
Use Case Name	Splash Screen	
Actor	Customer /Seller	
Description	This use case describes the splash screen of the application	
Triggering event	Customer /Seller need to open/run the application	
Preconditions	Users must have a good internet connection.	
Flow of events	Actor	Flow of events
	Customer /Seller	1.System checks the internet connection. 2. System will display the splash screen for a few seconds.
Post conditions	The Actor sees the login page after the splash screen.	
Exception - Conditions	Database connection Issues	

Use Case ID	UC2	
Use Case Name	Customer/Seller Registration page	
Actor	Customer/Seller	
Description	This use case describes how the customer/seller enters all the information for the first-time registration to the app.	
Triggering event	Customer selects the **register** link	
Preconditions	Customer/Seller must be a new user before registration.	
Flow of events	Actor	Flow of events

	1. Customer/Seller enters the first name 2. Customer/Seller enters the last name 3. Customer/Seller enters the phone number 4. Customer/Seller enters the email ID. 5. Customer/Seller enters the Username 6. Customer/Seller enters the password. 7.profile pic upload 8. Clicks **Register**	1.1. System check the all the information enters by the Customer/Seller will meet the requirements 2.1. System will send all the information to the database 3.1. system saves all the information in the database
Post conditions	The Customer/seller sees the menu page after successful login.	
Exception - Conditions	Database connection Issues	

Use Case ID	UC3	
Use Case Name	Customer/Seller Login	
Actor	Customer/Seller	
Description	This use case describes how the Customer/Seller logs in to the app with his mail id and password.	
Triggering event	Actor selects the **Login** link	
Preconditions	The Actor must have registered mail id before login to the app and for the guest user to login it is not necessary.	
Flow of events	Actor: 1. Customer/Seller enters his	System: 1. All the information

	registered mail id or username. 2. Customer/Seller enters his password. 3. Click Login	(mail id and password) sends to the database. 2. Database authenticates the information and acknowledges the system as a valid user. 3. System displays the menu page to the user.
Post conditions	The Actor sees the menu page after successful login.	
Exception - Conditions	Database connection Issues	

Use Case ID	UC4	
Use Case Name	Customer/Seller Reset password	
Actor	Customer/Seller	
Description	This use case describes how the Customer/Seller reset his password using his mail id	
Triggering event	Customer/Sellerselects the **Forgot Password** link	
Preconditions	The Customer/Seller must have registered mail id before login to the app.	
Flow of events	Actor	System
	1. Customer/Seller enters his registered mail id or username. 2. Click submit	1 All the information (mail id and password) sends to the database. 2 Database authenticates the information and acknowledges the system as a valid user. 3 if the user exists them system sends him a mail regarding password resetting
Post conditions	The Actor sees the menu page after successful login.	
Exception - Conditions	Database connection Issues	

Use Case ID	UC5
Use Case Name	Customer/Seller/Admin navigation
Actor	Customer/Seller/Admin
Description	Customer/Seller/Admin should have a navigation bar
Triggering event	Customer/Seller/Admin clicks on the navigation bar in the screen
Preconditions	Customer/Seller/Admin must enter their profile details

Flow of events	Actor	Flow of events
	1. Customer/Seller/Admin click the navigation bar. .	1.1. Display the list of the navigation on clicking the nav bar 2.1. Based on the selection from the navigation list, the next activity will be displayed.
Post conditions	Customer/Seller/Admin will logout from application after checking his/her profile.	
Exception - Conditions	Database connection issues	

Use Case ID	UC6	
Use Case Name	Manage Profile page	
Actor	Customer/Seller	
Description	Customer/Seller able to see all the details of his/her profile in application.	
Triggering event	Customer/Seller clicks on the edit profile button in profile screen	
Preconditions	Customer/Seller must enter their profile details	
Flow of events	Actor: 1. Customer/Seller clicks on the profile button 2. Customer/Seller will modify their profile details 3. Clicks on the update button to update the changes	Flow of events: 1.1. Display the profile of the user 2.1. Update the database with the changes if any and save the information in the database
Post conditions	Customer/Seller will logout from application after checking his/her profile.	

Exception - Conditions	While updating the profile, the details should be correct.

Use Case ID	UC7	
Use Case Name	Add Product	
Actor	Seller	
Description	Sellers are able to add the details of the products of which he sells in application.	
Triggering event	Sellers clicks on the **Add Products** button in home screen	
Preconditions	Seller must be logged in	
Flow of events	Actor	Flow of events
	1. Seller adds the photo. 2. Seller lists the price of the product 3. Seller adds the details of the product 4. Seller will give the description of the product 5. Seller click on the save button and add the product to sell	1.1. System store the information of the apartment in the database
Post conditions	Sellers will logout from the application after checking his/her profile.	
Exception - Conditions	While updating the product, the details should be correct.	

Use Case ID	UC8	
Use Case Name	Edit product details	
Actor	Sellers	
Description	Sellers can update the details of the product which he/she uploaded in the application.	
Triggering event	Seller clicks on the **Edit Product Button** in home screen	
Preconditions	Seller must be logged in	
Flow of events	Actor	Flow of events
	1. Seller Edit the photo. 2. Seller edits the price of the apartment 3. Seller edits the details 4. Seller edits the description of the Product 5. Seller click on the save button and update the products in his/her profile	1.1. System will update the stored information of the apartment in the database
Post conditions	Seller will logout from the application after checking his/her profile.	
Exception - Conditions	While updating the Product, the details should be correct.	

Use Case ID	UC9	
Use Case Name	Delete product	
Actor	Seller	
Description	Sellers are able to delete the details of the products of his/her profile in application.	
Triggering event	Seller clicks on the **Delete Product** button in home screen	
Preconditions	Seller must be logged in	
Flow of events	Actor	Flow of events

	1 Seller click on the delete button and update the product in his/her profile	1.1. System will delete the entire record of its existence from the stored information in the database
Post conditions	Customers will logout from the application after checking his/her profile.	
Exception - Conditions	Internet Issues	

Use Case ID	UC10	
Use Case Name	Dashboard	
Actor	Seller	
Description	Seller able to check the orders received from the customers	
Triggering event	Seller clicks on the **Dashboard** button in home screen	
Preconditions	Seller must be logged in	
Flow of events	Actor	Flow of events
	1. Seller check the orders made by the customers and will responds to that accordingly	1.1. System will send the requests made by the Seller and their contact details to the particular Seller using their id
Post conditions	Customers will logout from the application after checking his/her profile.	
Exception - Conditions	Internet issues	

Use Case ID	UC11

Use Case Name	Customer Home screen
Actor	Customer
Description	Customers are able to see the products posted by the sellers
Triggering event	After logging in the user redirected to the Home page
Preconditions	Customer must be logged in

Flow of events	Actor	Flow of events
	1. Customer check the posts made by the sellers and order the products matches his desires	1.1. system will send all the posts made by the sellers for all customers so that they can check every product detail
Post conditions	Customer will logout from the application after checking his/her profile.	
Exception - Conditions	Internet issues.	

Use Case ID	UC12	
Use Case Name	Product Details	
Actor	Customer	
Description	Customer are able to see the details of the products sold by sellers	
Triggering event	Customer clicks on the **product** to check details	
Preconditions	Customer must be logged in	
Flow of events	Actor	Flow of events
	1. Customer checks the profile of the products which consists of details like price rating and description	1.1. System will fetch the information of the products by using their unique id
Post conditions	Customer will logout from the application after checking his/her profile.	
Exception - Conditions	Internet issues.	

Use Case ID	UC13	
Use Case Name	Search Products	
Actor	Customer	
Description	Customer are able to search the product he/she looking for	
Triggering event	Customer clicks on the **Search** button on the home Screen	
Preconditions	Customer must be logged in	
Flow of events	Actor	Flow of events
	1. Customer can search the product he/she looking for using search option	1.1. System will fetch the information of the apartments using the search key at ease
Post conditions	Customer will logout from the application after checking his/her profile.	
Exception - Conditions	Internet issues	

Use Case ID	UC14	
Use Case Name	Search through filters	
Actor	Customer	
Description	Customers are able to find their desired products using filters like price range	
Triggering event	Customers clicks on the **Filter** button on the home Screen	
Preconditions	Customers must be logged in	
Flow of events	Actor	Flow of events
	1. Customers can filter the searched products using price range, brand name etc	1.1. System will fetch the information of the apartments using the location filter that he is looking for
Post conditions	Customers will logout from application after checking his/her profile.	
Exception - Conditions	Internet issues	

Use Case ID	UC15	
Use Case Name	Place order	
Actor	Customers	
Description	Customers are able to place order for their desired products	
Triggering event	Customers clicks on the **place order** button on the products page	
Preconditions	Customers must be logged in	
Flow of events	Actor	Flow of events
	1. Customers will place orders for their desired products from this screen	1.1. System will send the request query to the seller

Post conditions	Customers will logout from the application after checking his/her profile.
Exception - Conditions	Internet issues

USE CASE ID:	UC16	
Use Case Name	Add Feedback	
Actor	Customers	
Description	Customers are able to add reviews to the products they have purchased	
Triggering event	Customers clicks on the **review button** on the product page	
Preconditions	Customers must be logged in	
Flow of events	Actor	Flow of events
	1. Customers will add the review of the product that he has been purchased	1.1. System will add data to the server using product id
Post conditions	Customers will logout from the application after checking his/her profile.	
Exception - Conditions	Internet issues	

USE CASE ID:	UC17
Use Case Name	My orders
Actor	Customers
Description	Customers can check the orders placed by him
Triggering event	Customers clicks on the **My Orders** button

Preconditions	Customers must be logged in	
Flow of events	Actor	Flow of events
	2. Customers can able to check the orders placed by him/her in past	1.1. System will fetch the information of the orders placed by the customers
Post conditions	Customers will logout from the application after checking his/her profile.	
Exception - Conditions	Internet issues	

Use Case ID	UC18	
Use Case Name	Logout	
Actor	Customer/Seller	
Description	This use case describes how the Customer/Seller logs out to the app	
Triggering event	Actor selects the **Logout** link	
Preconditions	The Customer/Seller must be logged into the application	
Flow of events	Actor	System
	1. Customer/Seller click on the logout button	1. System will destroy the session of the particular user and allows other to login
Post conditions	The Customer/Seller should be logged out of the application.	
Exception - Conditions	Database connection Issues	

User Stories

1. **Signup**

User Story ID	US-1

Theme	Authentication
Priority	Should
Description	As a user I must create an account in order to access this application.
Constraints	● Must enter the Email Id which should be a unique one. ● The unique and strong password should be selected in order to protect one's account.
Acceptance tests	● A specific form should be filled to complete the signup process. ● Once that form is finished the user should be redirected to some pages with the basic questions like Job title, Hourly pay rate etc. ● Signup button should be clearly visible to all the users. ● Once the signing up is finished the user should be redirected to the login page.

2. **Login**

User Story ID	US-2
Theme	Authentication
Priority	Should
Description	As a user I should login to the application using email/ username and password which are used in creating the account.

Constraints	● Must enter the credentials correctly as they are given at the time of signup in order to gain access to the account in this application. ● Incorrect password or the email ID will not give access to the account
Acceptance tests	● Login button is clearly visible to all the users. ● Once the credentials are filled and authenticated in the MySQL the Login page should be redirected to the Home page.

3. Update Profile

User Story ID	**US-3**
Theme	Updating
Priority	Should
Description	As a user I can update/delete my personal details by managing the profile page at any time.
Constraints	● Must be able to change the personal profile at any time while using the application and must click on the Save changes button in order to save the changes made to the profile.
Acceptance Tests	● All the changes that are made in this page are displayed in the account.

4. Add to Cart

User Story ID	**US-4**
Theme	**Add to cart**
Priority	Must
Description	As a User, I can add products to cart

Constraints	● Must have an create an account ● Must have logged in
Acceptance Tests	● All the products added in the cart should be displayed in the cart page.

5. **Place Orders**

User Story ID	**US-5**
Theme	**Place Orders**
Priority	Must
Description	● As a user I can place an order of any of the items which are in the display.
Constraints	● Users must have an account and must be logged in. ● The item must be added to the cart
Acceptance Tests	● Once the user clicks the checkout then the page should be redirected to the payment page.

6. **Search Product**

User Story ID	**US-6**
Theme	Search Product
Priority	Must
Description	As a user I can search the products by various means such as type, price, and colour.

Constraints	● Users must have an account and logged in. ● Users can search with either one of the means such as type, price, and colour or with all of them.
Acceptance Tests	● Once the user selects one search criteria then only the products that satisfy the criteria must be displayed. ● Remaining products should not be displayed.

7. My orders

User Story ID	**US-7**
Theme	My Orders
Priority	Must
Description	As a user I can view my recently placed orders along with previously placed orders.
Constraints	● Users must have placed at least one order.
Acceptance Tests	● Once the user goes to My Orders page the then previously placed orders should be displayed.

8. View Ratings

User Story ID	**US-8**
Theme	View Ratings
Priority	Must
Description	As a user I can view the ratings which are given by the previous customers for the products.
Constraints	● Users must open a product to view the ratings of that product.

Acceptance Tests	● None

9. Logout

User Story ID	**US-9**
Theme	User Logout
Priority	Must
Description	As a user I must log out of the application whenever I want.
Constraints	None
Acceptance Tests	● Logout button is clearly visible to all the users. ● Pressing Logout button must redirect user to the Login page

10. Signup

User Story ID	US-10
Theme	Authentication
Priority	Should
Description	As a user I must create an account in order to access this application.
Constraints	● Must enter the Email Id which should be unique one. ● The unique and strong password should be selected in order to protect one's account.
Acceptance tests	● A specific form should be filled to complete the signup process. ● Once that form is finished user should be redirected to some

	pages with the basic questions like Job title, Hourly pay rate etc. ● Signup button should be clearly visible to all the users. ● Once the signing up is finished the user should be redirected to the login page.

11. Seller Sign in

User Story ID	**US-11**
Theme	Authentication
Priority	Must
Description	As an admin I should sign in from the login page using specific username and password.
Constraints	● Must enter the credentials correctly as they are given at the time of signup in order to gain access to the account in this application. ● Incorrect password or the email ID will not give access to the account
Acceptance Tests	● Once the user signs in through the seller account then he will be redirected to the home page.

12. Add product

User Story ID	**US-12**
Theme	Add Product
Priority	Must
Description	As a seller I can post products for sale.
Constraints	● Seller must have an account and must be signed in.

Acceptance Tests	● Once the seller posts a product for sale, it should be shown in the list of items for sale.

13. Check Orders

User Story ID	**US-13**
Theme	Check Orders
Priority	Must
Description	As a seller I can check the orders which are placed for my product.
Constraints	None
Acceptance Tests	● Seller must have posted at least one product for sale.

14. Update Seller Profile

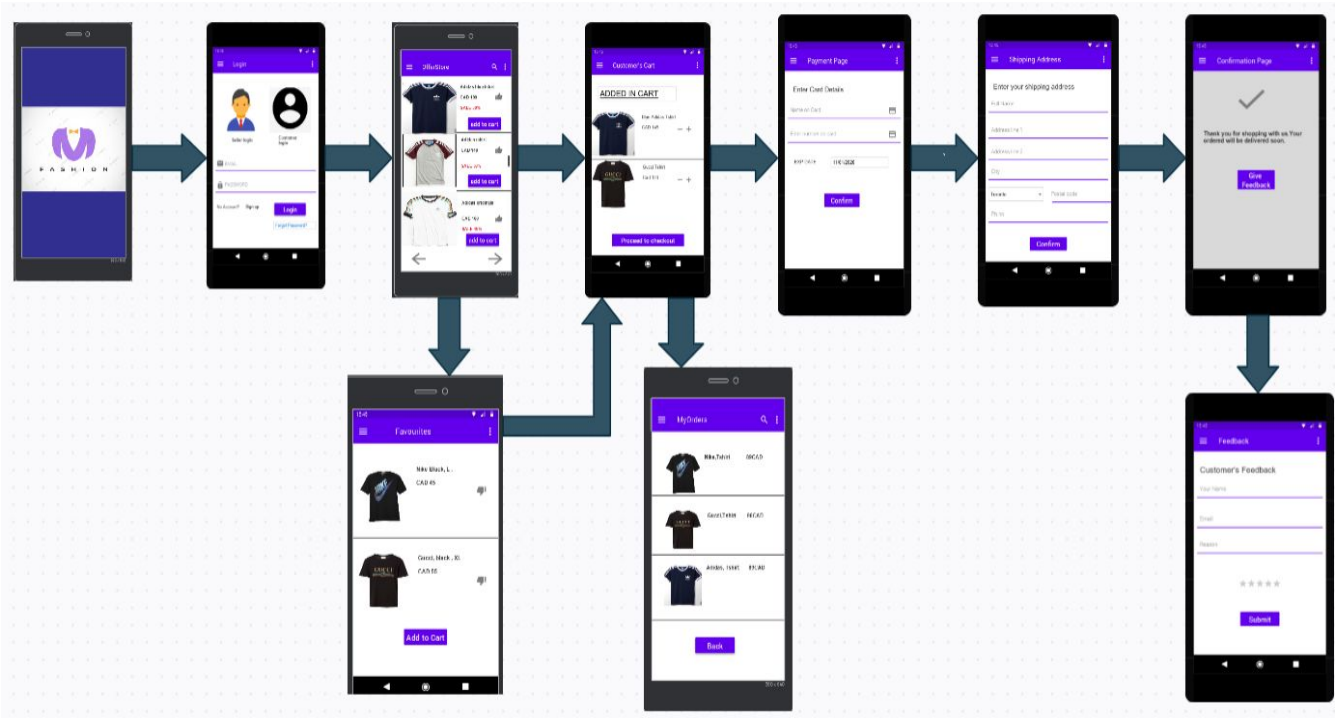
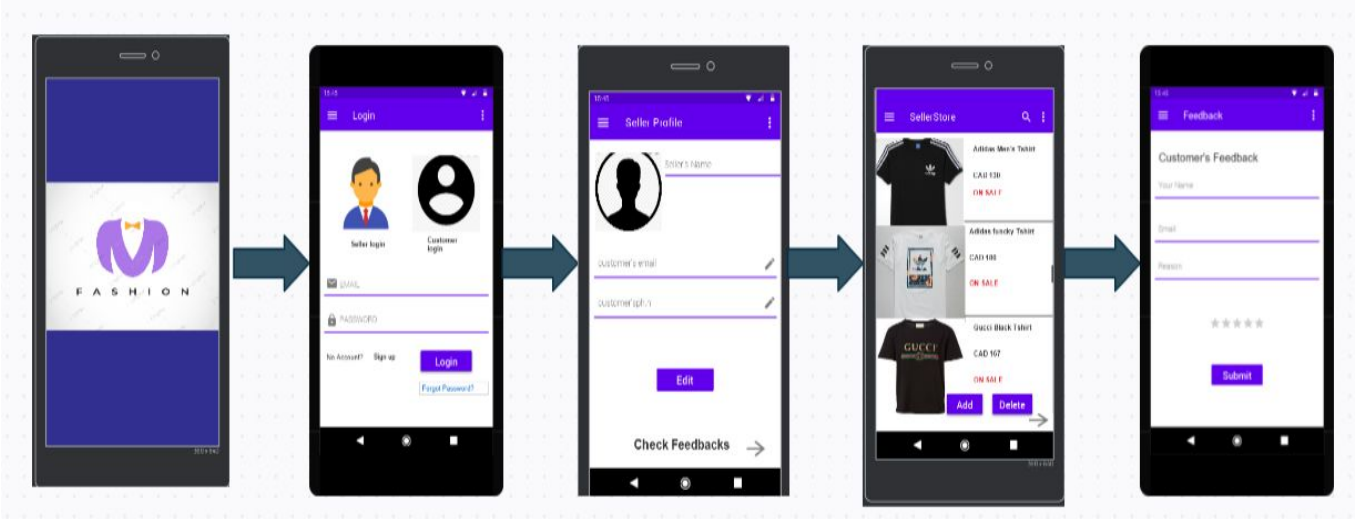
User Story ID	**US-14**
Theme	Updating
Priority	Should
Description	As a user I can update/delete my personal details by managing the profile page at any time.
Constraints	● Must be able to change the personal profile at any time while using the application and must click on the Save changes button in order to save the changes made to the profile.
Acceptance Tests	● All the changes that are made in this page are displayed in the account.

15.Add Favourites

User Story ID	**US-15**
Theme	Updating
Priority	could
Description	As a User i can add the products i like and look into it for later use.
Constraints	None
Acceptance Tests	• Once the user adds the product he liked , it'll be viewed in a favourites list.

ScreenFlow.

User's screenflow



Seller's ScreenFlow