

Project Name: **"Watch Paradise"**

Service Type:

**Mobile Application (Android)**

Prepared by:

**M. Z. Abdullah**

**200410304063**

**Mammoth Batch**

Prepared for:

**"HHDP || Final Project"**

# Table of Contents

## Contents

Title Page.....	Error! Bookmark not defined.
Acknowledgments.....	3
Abstract.....	3
Table of Contents.....	2
Contents.....	2
List of Tables .....	3
Introduction .....	3
Background .....	3
Features .....	4
Admin Interfaces.....	4
Functional Requirements.....	4
Assumptions and Dependencies.....	5
Specification.....	5
Design.....	5
Implementation .....	6
List of Figures .....	6
User Interface Wireframes .....	8
Conclusions .....	17

## **Acknowledgments**

The following people and groups deserve my deepest gratitude for their invaluable contributions to the creation and finishing of the Online Watch Shopping Mobile Application:

## **Abstract**

The Online Watch Shopping Mobile Application seeks to give consumers an easy way to browse, and buy watch on their mobile devices. It does this by offering an intuitive and effective platform. This paper contains the Online Shopping System's specific needs.

## **List of Tables**

## **Introduction**

Online purchasing has ingrained itself into our everyday lives in the digital age, and the literary world is no different. We suggest creating a state-of-the-art mobile application for online watch shopping in response to the growing demand for easy, customised online watch shopping experiences. This programme seeks to meet the many demands of watch aficionados by offering them an easy-to-use platform on which to browse, buy, and interact with a wide selection of literary works.

## **Background**

The convenience of online watch shopping is gradually replacing the conventional brick-and-mortar model of watch stores as technology continues to change customer behaviour. The proposed application aims to close this gap by providing a thorough and user-friendly platform that is suited to contemporary users' tastes. The necessity to develop a mobile-commerce solution to satisfy the changing demands of book lovers is made even more imperative by the widespread use of mobile devices.

## **Features**

### User Interfaces

- Sign In Interface
- Sign Up Interface
- Home Interface
- User Profile Interface
- Watchlist Interface
- Watch listing Interface
- Single Watch Details Interface
- Cart Interface
- Buy Watches
- Check out Watches

### **Admin Interfaces**

- Login Interface
- Home Interface
- Add Watch Interface
- Load Watch Interface
- Update Watch Interface
- User Mange Interface
- Add Brand and Load Brand Interface

## **Functional Requirements**

- User Registration
- Watch Listing
- Product Details Page
- Add to Cart
- Add to Wishlist
- View and Update Cart
- View and Update Wishlist
- Checkout Process
- User Authentication
- Logout Process

## Hardware Interfaces

- Operating System: Android.
- Android Version: Minimum 8, Recommended 10.
- RAM: 2GB or above.

## Assumptions and Dependencies

The system has already generated an administrator. The product, client payment, and service transaction details are supplied by hand. Tasks and roles are predetermined.

My Assumptions:

- User can't purchase any of Watches without update profile (must update address).
- Can't view user profile without login to the application.
- Can't view user cart list without login to the application.
- Can't view user watchlist without login to the application.
- Can remove unwanted watches from cart and watchlist.

## Specification

- Platform Compatibility
  - This application supports only android devices.
- User Authentication and Security
  - Firebase authentication with email used for the Implement a robust authentication system and stringent security measures to safeguard user data and financial transactions, fostering trust among users.
- Shopping Cart and Checkout
  - Develop a user-friendly shopping cart system and a streamlined checkout process.

## Design

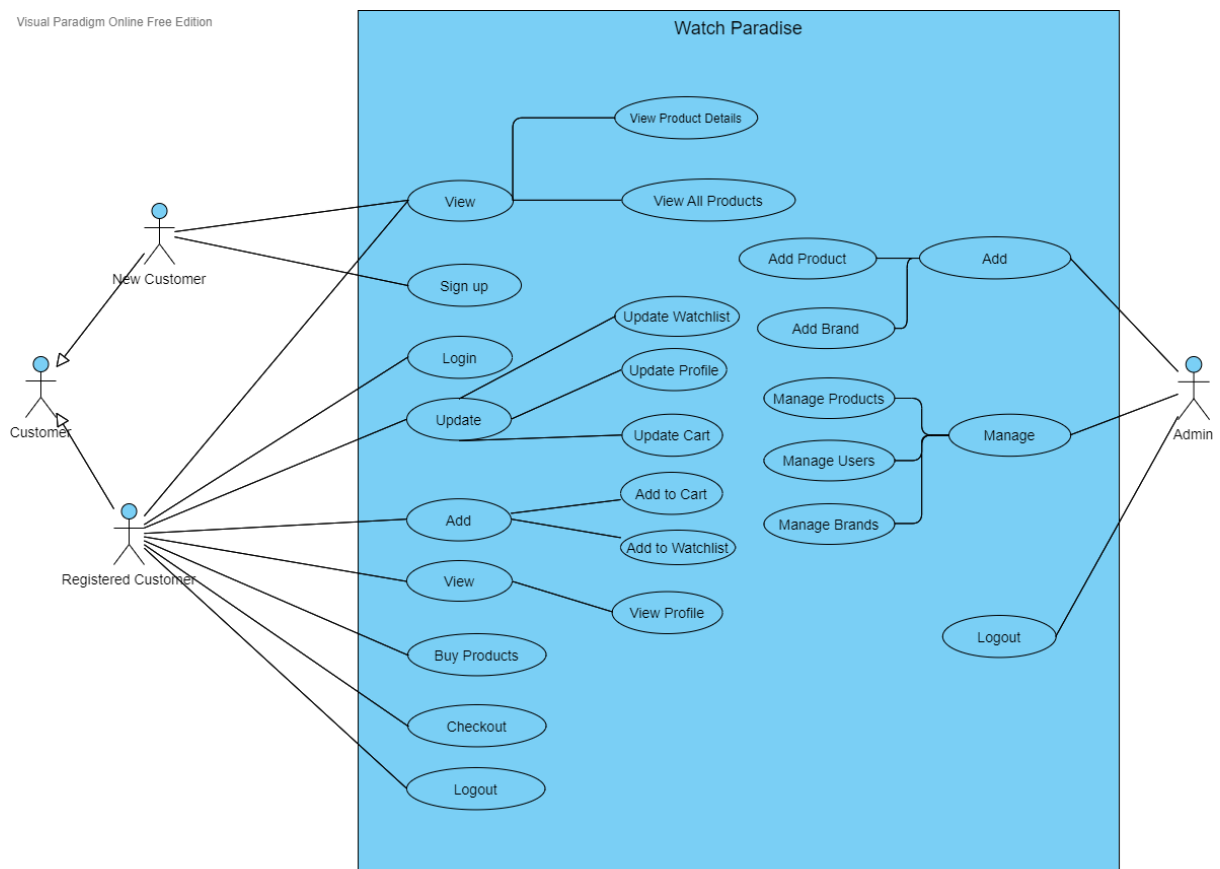
The system has already generated an administrator. The product, client payment, and service transaction details are supplied by hand. Tasks and roles are predetermined.

## Implementation

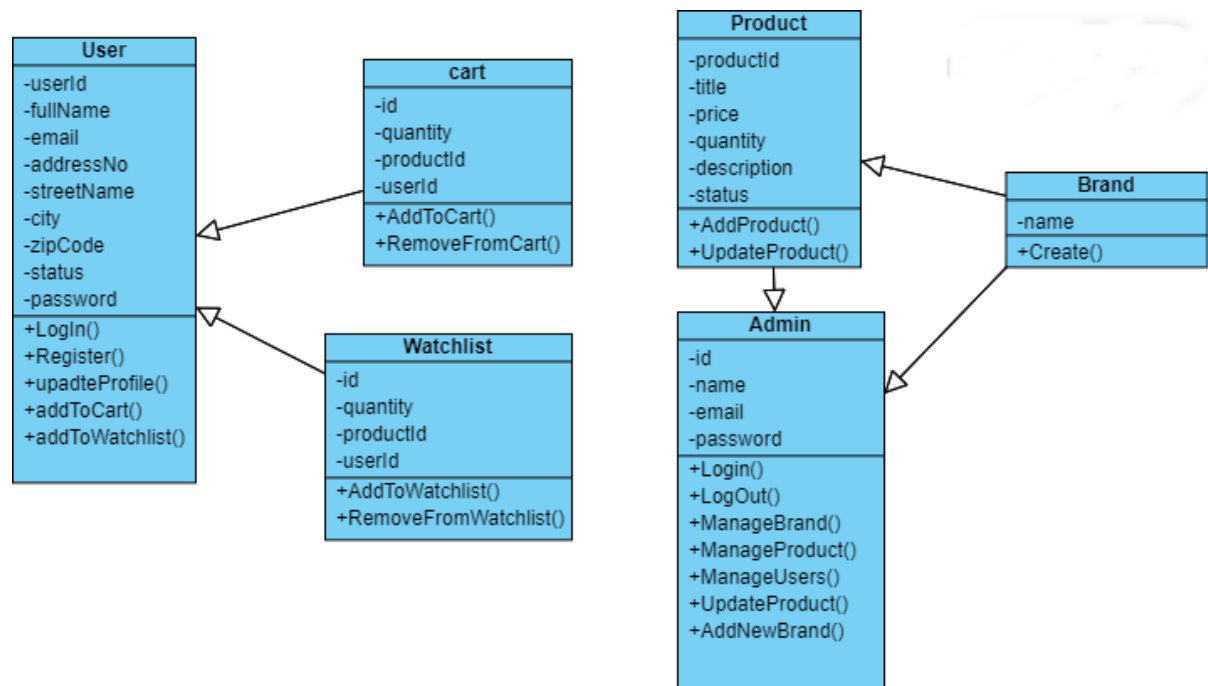
- Front-End Development
  - Develop the front-end of the mobile application using Android Studio as IDE and, Java as a language.
- Back-End Development
  - Develop the back-end using Android Studio as IDE and, Java as a language. Firebase for user authentication and data storage.
- Database:
  - Firebase Firestore and Firebase Storage
- Security:
  - Implement secure authentication protocols, encryption for sensitive information, and secure channels for communication

## List of Figures

### Use Case Diagram

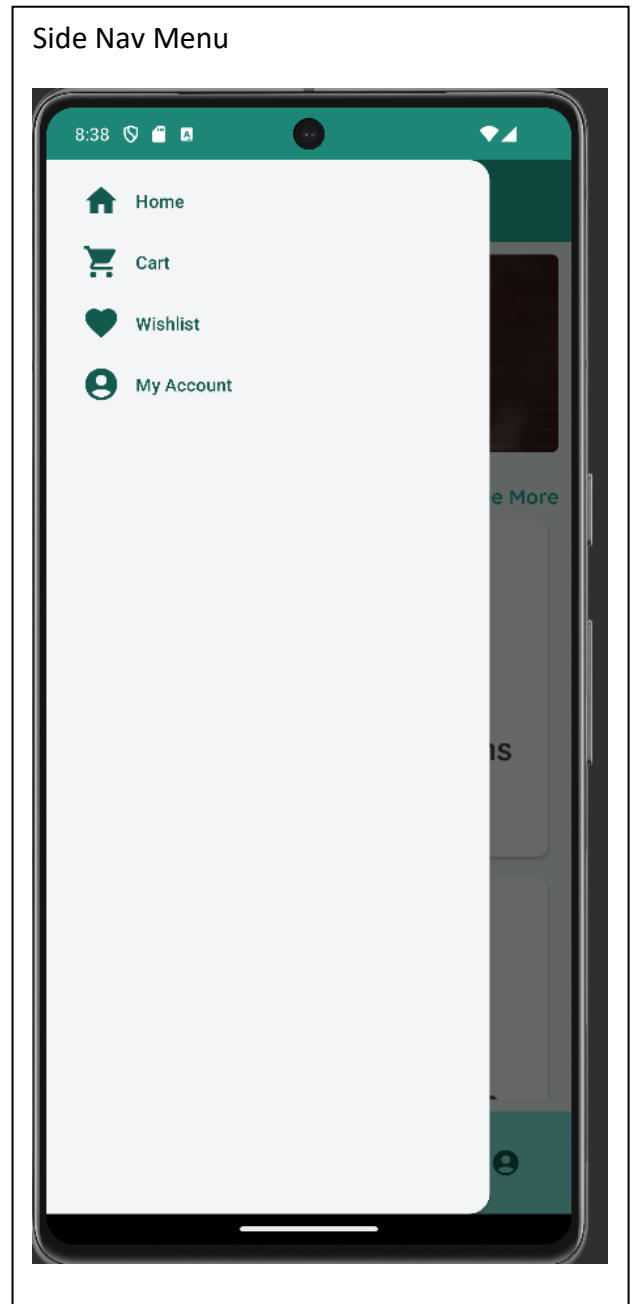
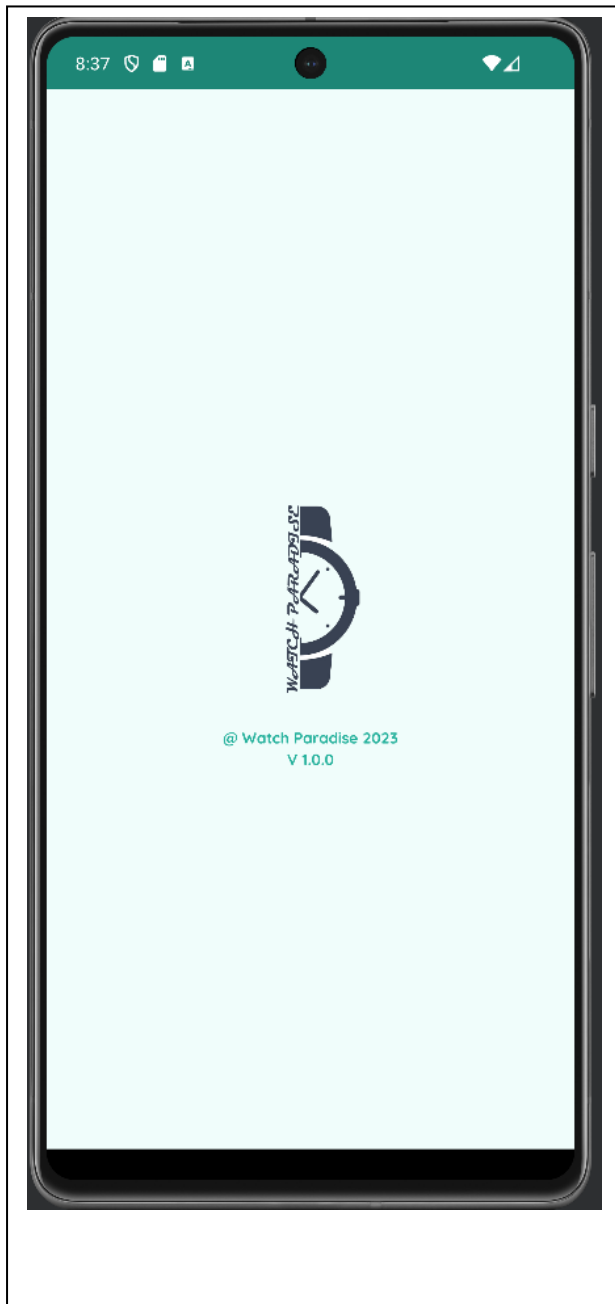


## Class Diagram



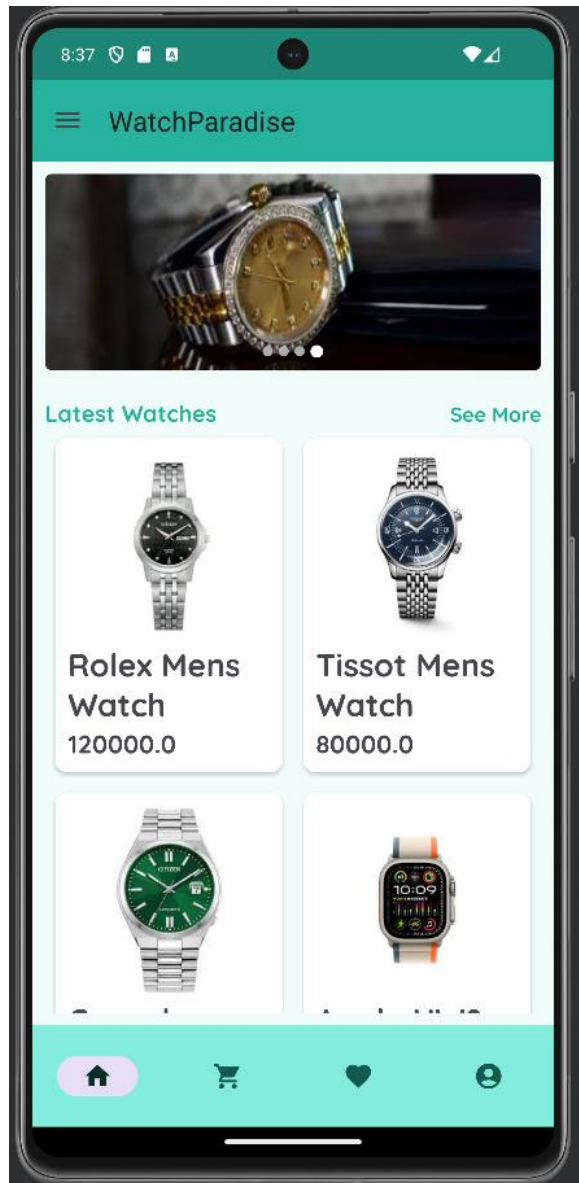
## User Interface Wireframes

### User Interface

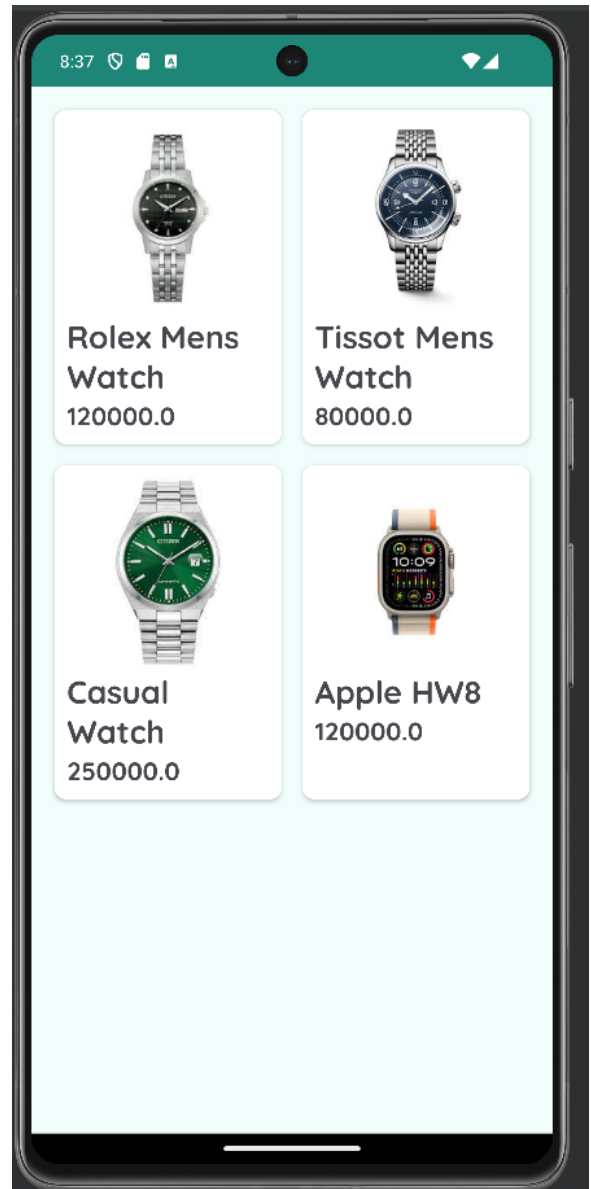




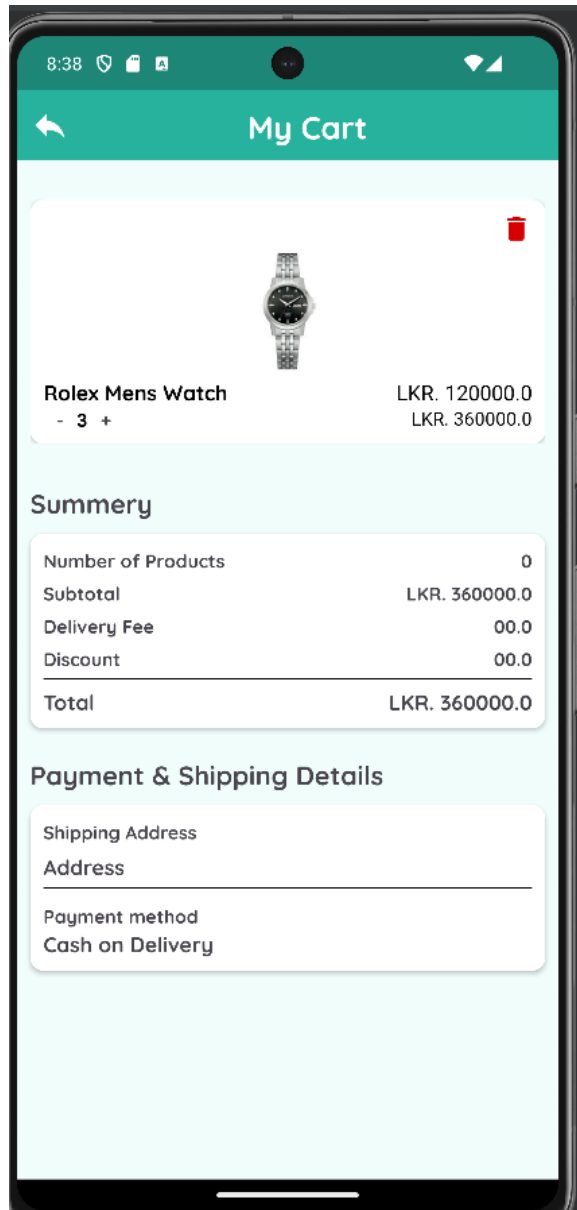
## Home



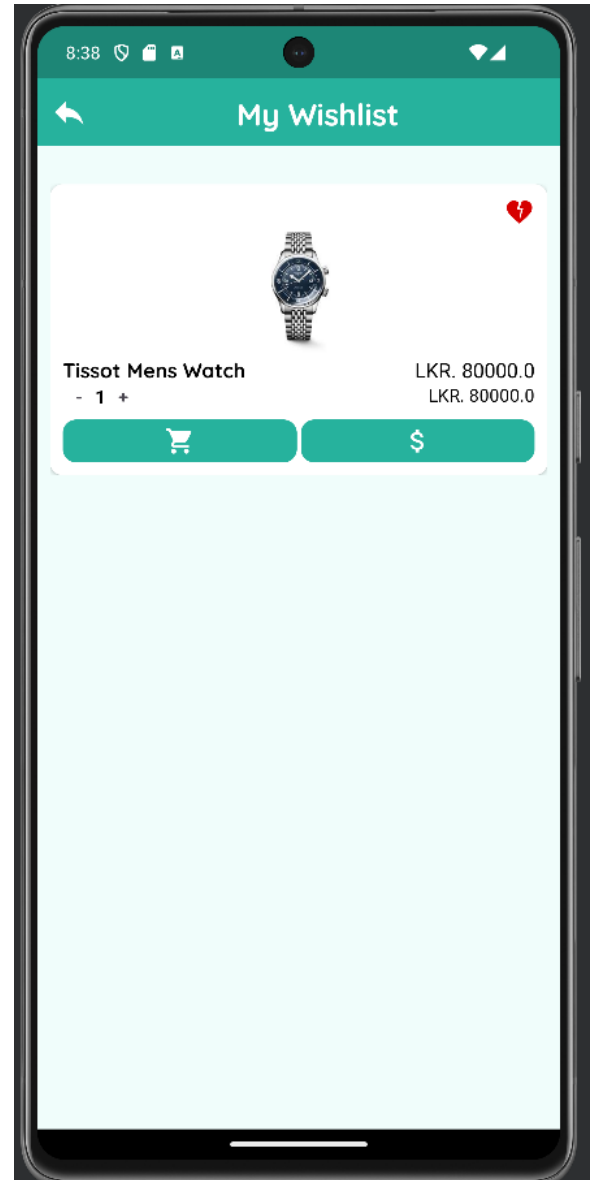
## All Products



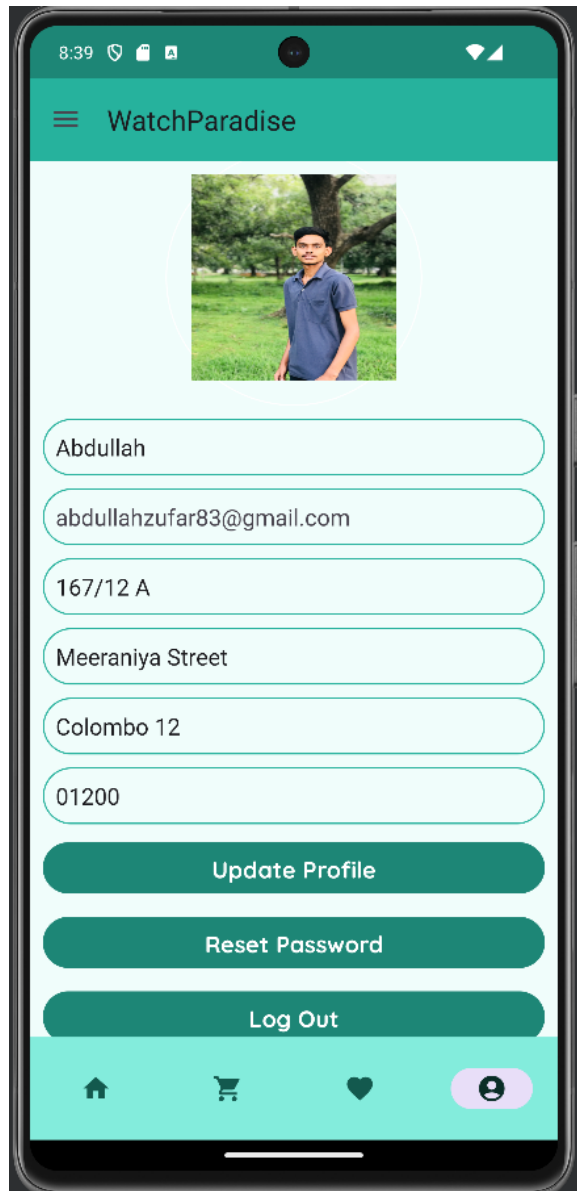
## Cart



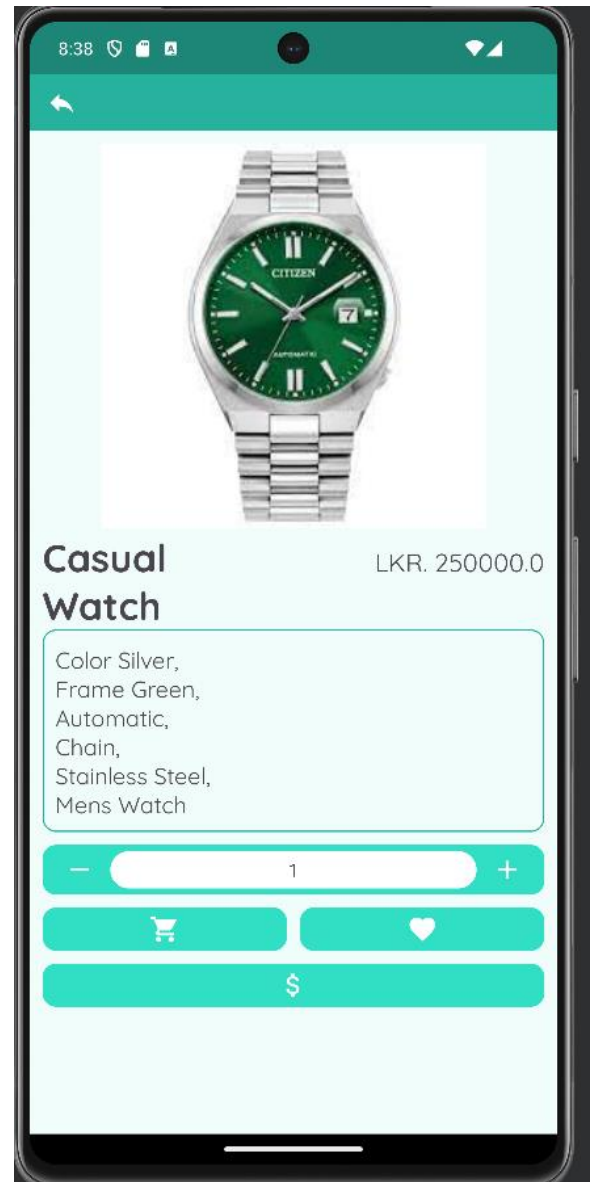
## Wishlist




## Profile



## Single Product View




## Sign Up





8:39

← Sign Up


Create a New Account

Full Name 


example@gmail.com 

\*\*\*\*\* 

Sign Up

→ 


## Log In




8:39

← Sign In


Sign In to your Account

example@gmail.com 

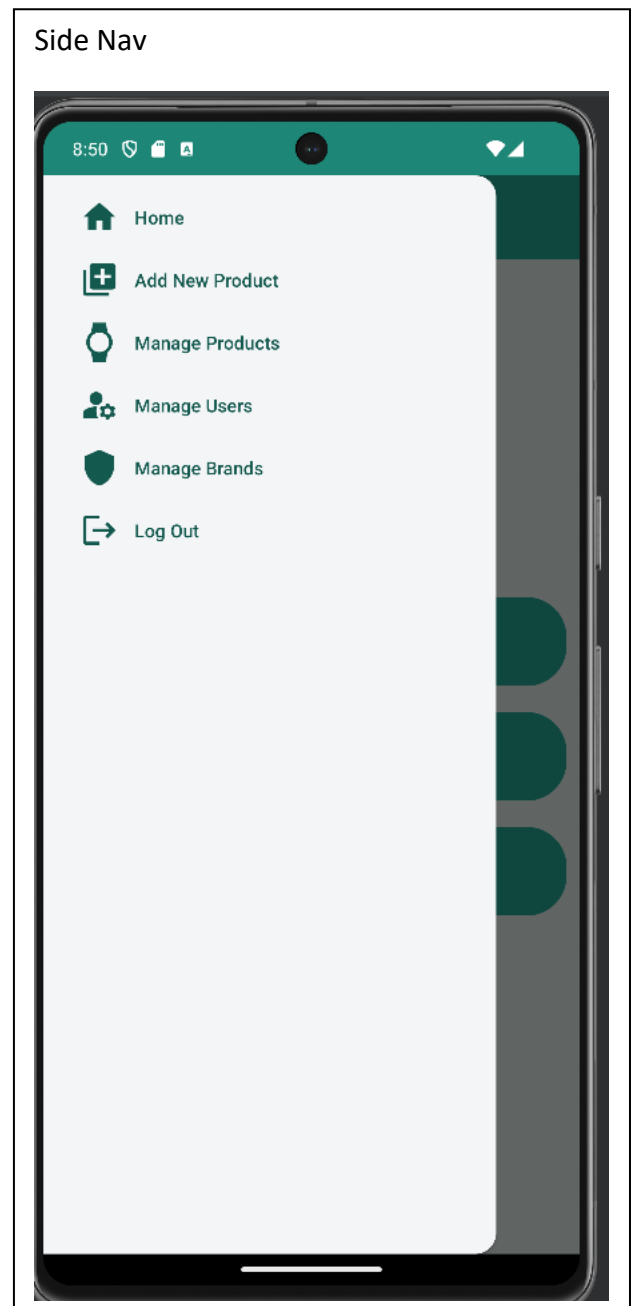
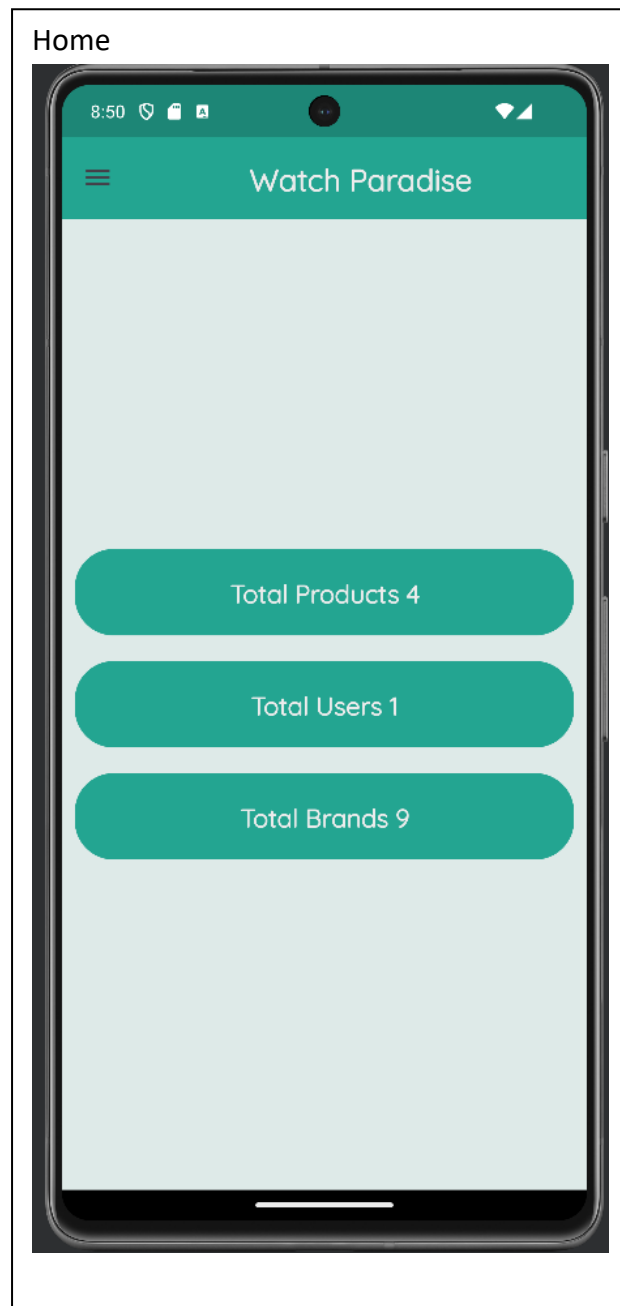
\*\*\*\*\* 

Sign In

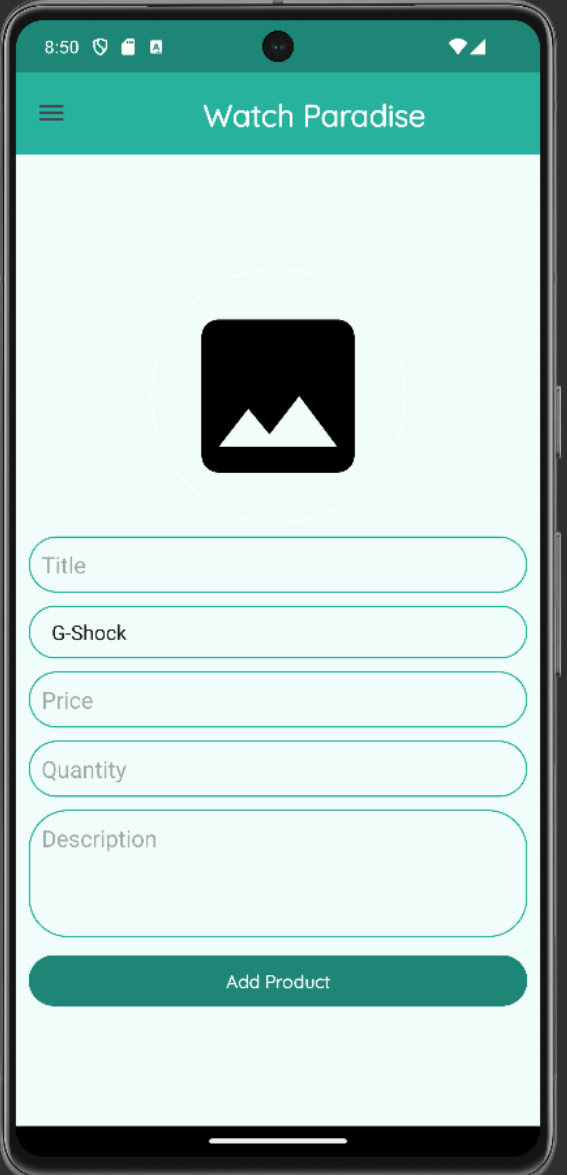
[Forgot Password](#)

→ 

## Admin Interface

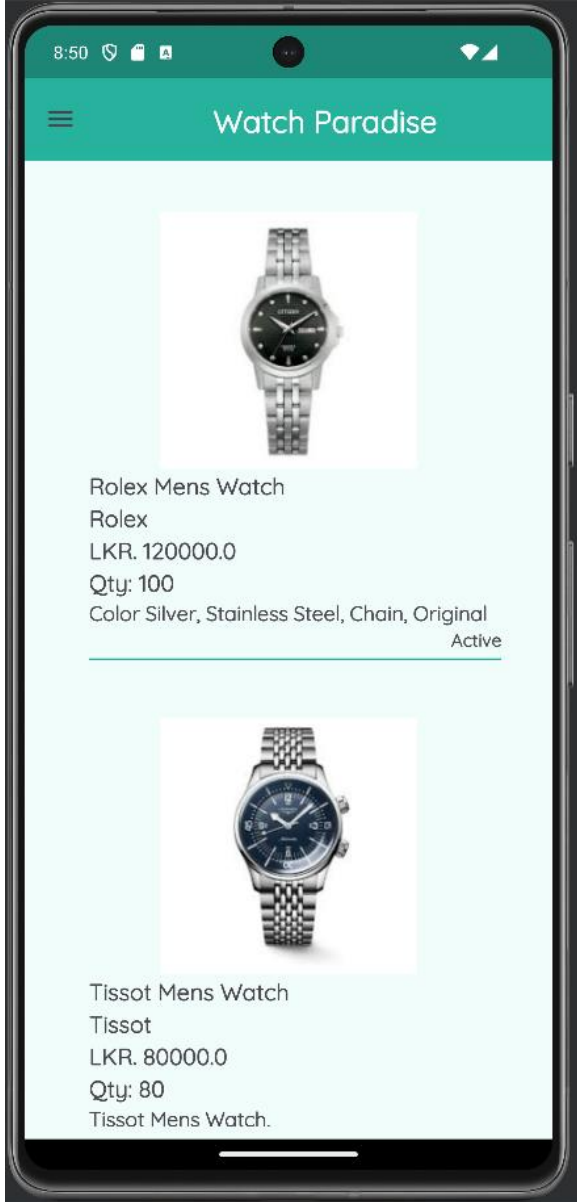


## Add Product



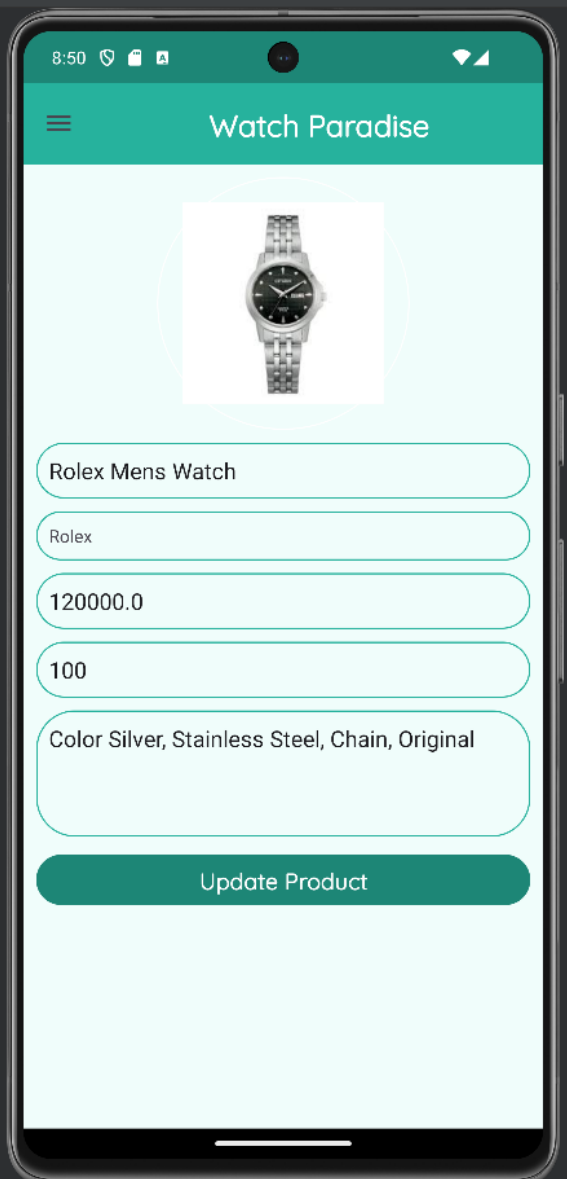
The screenshot shows the 'Add Product' screen of the 'Watch Paradise' app. At the top, there's a teal header with a hamburger menu icon and the text 'Watch Paradise'. Below the header is a large circular area with a black square icon containing a white mountain range, indicating where to upload a product image. Underneath this are five rounded rectangular input fields: 'Title', 'G-Shock', 'Price', 'Quantity', and 'Description'. At the bottom of these fields is a teal button labeled 'Add Product'.

## Manage Product




The screenshot shows the 'Manage Product' screen of the 'Watch Paradise' app. It features a teal header with a hamburger menu icon and the text 'Watch Paradise'. The main content area displays two product listings. Each listing consists of a product image, followed by the product name, brand, price, quantity, and a description. The first listing is for a 'Rolex Mens Watch' with a price of 'LKR. 120000.0', quantity of 'Qty: 100', and description 'Color Silver, Stainless Steel, Chain, Original'. The second listing is for a 'Tissot Mens Watch' with a price of 'LKR. 80000.0', quantity of 'Qty: 80', and description 'Tissot Mens Watch.'.

### Update Product



8:50

Watch Paradise



Rolex Mens Watch

Rolex

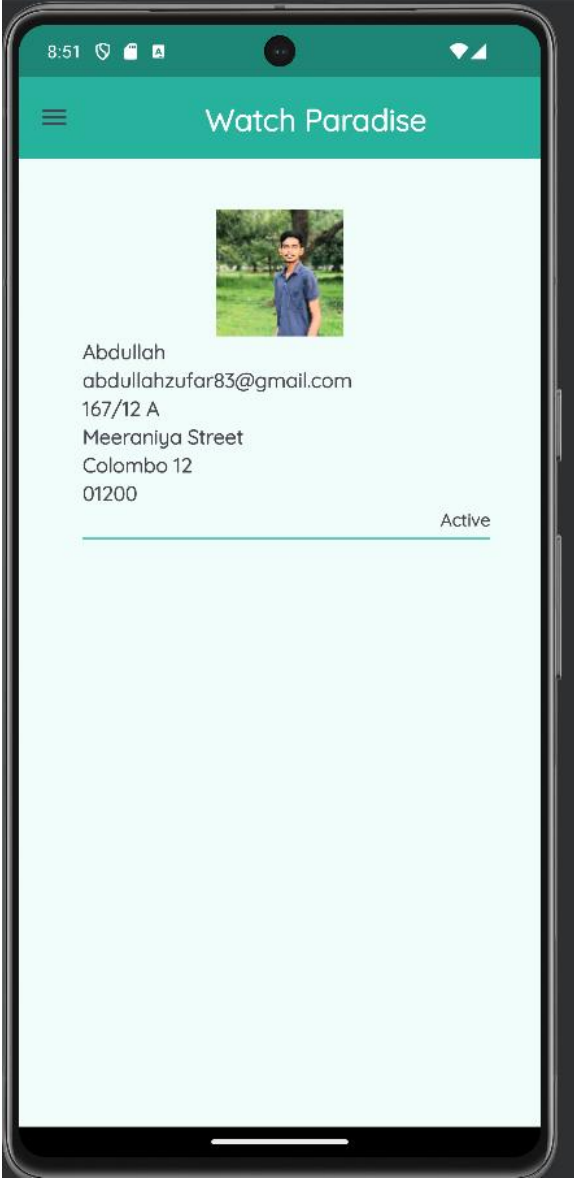
120000.0

100

Color Silver, Stainless Steel, Chain, Original


Update Product

### Manage Users



8:51

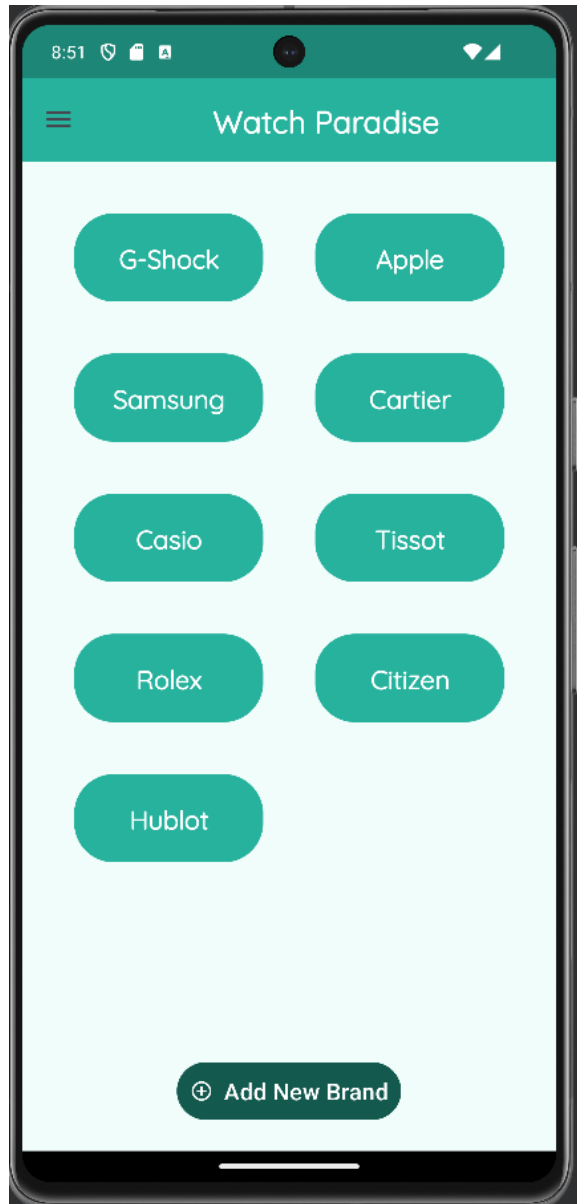
Watch Paradise



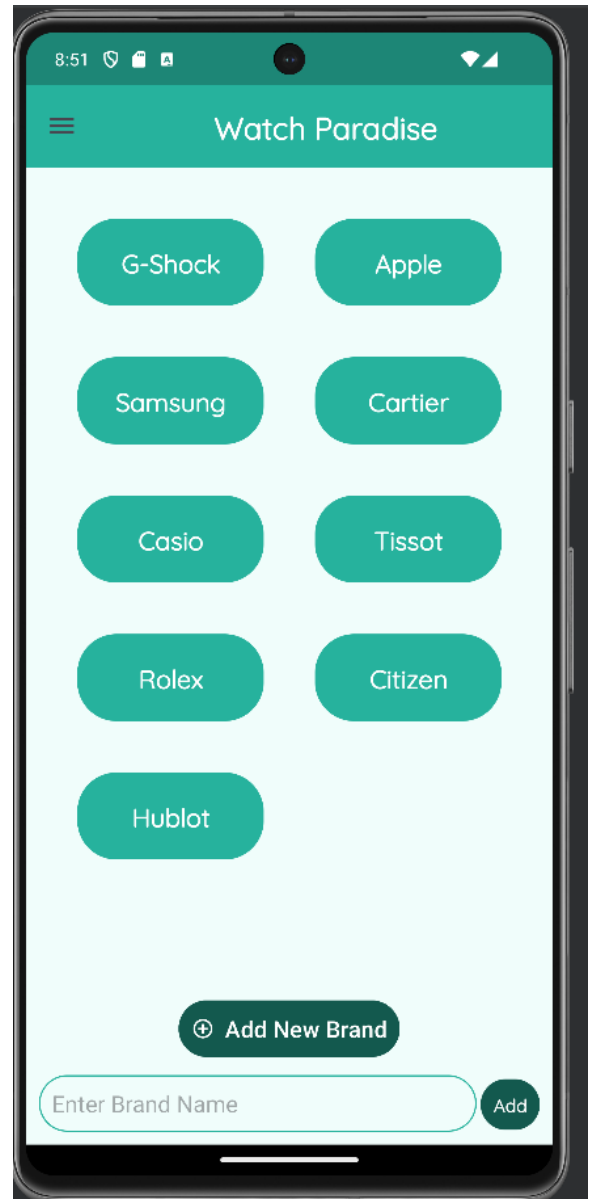
Abdullah  
abdullahzufar83@gmail.com  
167/12 A  
Meeraniya Street  
Colombo 12  
01200

Active

## Manage Brands



## Add Brands





## **Conclusions**

The goal of the Online Watch Shopping Mobile-Commerce Application is to revolutionise how people engage with books in the digital era. Through the integration of innovative technology and a user-focused methodology, the application aims to establish a smooth and delightful virtual Watch purchasing journey.