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**Wardrobe Wizard**

**by**

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Project report submitted in partial fulfilment of the requirements of V Semester  
BCA, CHRIST (Deemed to be University).

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## CERTIFICATE

*This is to certify that the report titled **Wardrobe Wizard** is a bona fide record of work done by **Arpit Shukla (2141110), Ayush Singhania (2141113) and Krishni Agarwal (2141119)** of CHRIST (Deemed to be University), Bangalore, in partial fulfilment of the requirements of IV Semester BCA during the year 2023.*

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# 1. INTRODUCTION

In a world where personal style is a powerful form of self-expression and sustainability is an ever-pressing concern, managing one's wardrobe has evolved into an intricate and demanding task. The "Wardrobe Wizard" project emerges as a groundbreaking solution to revolutionize the way individuals interact with their clothing and accessories. Rooted in the Sustainable Development Goal 12 (SDG 12) of "Responsible Consumption and Production," this innovative mobile application not only simplifies wardrobe management but also encourages responsible and sustainable fashion practices.

In the digital age, fashion is not just about clothing; it's a reflection of one's identity and values. The rapid evolution of fashion trends and the ever-expanding array of clothing choices have made the process of managing one's wardrobe more challenging than ever before. People want to look good, feel confident, and make responsible choices for the planet. In this context, Wardrobe Wizard comes into play.

## 1. Background of the Project:

In today's fast-paced world, where fashion choices are as diverse as the people who make them, managing one's wardrobe efficiently has become a significant challenge. Wardrobe Wizard recognizes that the process of selecting and coordinating outfits, maintaining an organized closet, and making sustainable fashion choices has grown increasingly complex.

Traditional closets filled with physical clothing items have given way to digital solutions that harness the power of smartphones and the internet. Yet, with this transformation comes new challenges and opportunities. Wardrobe Wizard is designed to bridge the gap, offering users a comprehensive and user-friendly tool to navigate the fashion landscape effectively.

## 2. Objectives:

The primary objectives of the Wardrobe Wizard project include:

**Simplifying Wardrobe Management:** The project aims to simplify the process of managing one's wardrobe, making it efficient and enjoyable.

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**Creative Outfit Suggestions:** Wardrobe Wizard provides creative outfit suggestions, helping users make the most of their clothing resources.

**Data-Driven Insights:** The application offers data-driven insights into fashion choices, empowering users to make informed decisions.

**Promoting Sustainability:** Wardrobe Wizard encourages sustainable fashion practices, reducing clothing waste and supporting responsible consumption.

**Enhancing Confidence:** By streamlining wardrobe management and promoting sustainable choices, the project aims to boost user confidence and well-being.

### **3. Purpose, Scope, and Applicability:**

The purpose of the Wardrobe Wizard project is to create a mobile application that addresses common wardrobe management challenges and promotes a more enjoyable and sustainable fashion experience. The scope of this project encompasses the development of the application, user testing, and its potential for expansion into a broader fashion-oriented platform.

This application is applicable to individuals of all ages and backgrounds who seek a more organized and creative approach to their wardrobe. It caters to fashion enthusiasts, professionals, and anyone interested in optimizing their clothing resources.

### **4. Overview of the Report:**

This report provides a comprehensive overview of the Wardrobe Wizard project. It includes detailed information on the problem definition, requirement specifications, technical aspects, and functionality of the application. The report also delves into the market and user analysis that informed the project's development, as well as the feasibility assessment.

Subsequent sections of the report will explore the functional and non-functional requirements, the technical architecture, user interactions, and the potential impact of Wardrobe Wizard on the fashion industry and users' lives. The report aims to offer a thorough understanding of the project's goals, features, and benefits. It is not just a wardrobe management tool; it is a catalyst for a more sustainable and conscious fashion future. Welcome to Wardrobe Wizard, where fashion meets responsibility.

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## 2. SYSTEM ANALYSIS AND REQUIREMENTS

This chapter provides an insightful exploration of the Wardrobe Wizard project, including an analysis of the existing wardrobe management landscape, its limitations, and the proposed solution. Additionally, it sheds light on the benefits, features, and requirements of the Wardrobe Wizard application.

### 2.1: Existing Wardrobe Management

The world of wardrobe management is currently characterized by manual and often inefficient processes. Individuals rely on physical records, memory, and disparate methods to curate their closets. This manual approach lacks the scalability and creativity that modern fashion enthusiasts desire.

### 2.2: Limitations of Existing Methods

The limitations of the existing wardrobe management methods are evident:

Manual labor-intensive processes.

Overreliance on memory and physical records.

Lack of a centralized system for tracking clothing items.

Difficulty in creating and maintaining a diverse range of outfits.

Inefficient use of existing clothing resources.

Limited feedback and inspiration for fashion choices.

Absence of data-driven insights into wardrobe usage.

The Wardrobe Wizard project seeks to overcome these limitations by introducing an innovative mobile application.

### 2.3: Proposed Solution

The Wardrobe Wizard project presents a comprehensive solution to revolutionize wardrobe management. This mobile application aims to empower users by providing a digital platform

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for efficient, creative, and sustainable fashion choices. It streamlines wardrobe organization, outfit creation, and fashion inspiration.

## **2.4: Benefits of the Wardrobe Wizard Application**

The proposed Wardrobe Wizard application offers a multitude of benefits:

Complete digitalization of wardrobe management.

Effortless data entry and maintenance.

Enhanced fashion creativity and outfit suggestions.

Efficient tracking of wardrobe usage statistics.

Sustainable fashion practices promotion.

User confidence and satisfaction improvement.

Data-driven insights into fashion choices.

## **2.5: Features of the Wardrobe Wizard Application**

The Wardrobe Wizard application boasts a rich set of features designed to cater to users' wardrobe management needs:

- Seamless rent tracking for clothing items.
- Simplified outfit creation and management.
- Integration with sustainable fashion resources.
- Integration with NGOs for clothing donations.
- Real-time status updates on clothing items.

## **2.6: System Requirements Specification**

The Wardrobe Wizard application's success hinges on a comprehensive understanding of its functional and non-functional requirements. This section outlines the blueprint for the application's development, encompassing various aspects, including user registration, outfit creation, wardrobe statistics tracking, and sustainability features.

### **2.6.1: User Characteristics**

The diverse user roles in the Wardrobe Wizard application include:

- Wardrobe owners: Responsible for managing their clothing items and outfits.
- Friends and fashion enthusiasts: Offering feedback and inspiration.

- 
- NGOs: Partnered for clothing donations.
  - Sustainability advocates: Supporting eco-friendly fashion choices.

### 2.6.2: Software and Hardware Requirements

To ensure seamless functionality, the Wardrobe Wizard application will require specific software and hardware components:

Operating System: Compatible with Android platforms.

Database: Integration with secure cloud storage services.

Hardware: Minimum processor and RAM requirements for smooth performance.

Security measures: Encryption and authentication mechanisms.

### 2.6.3: Constraints

The Wardrobe Wizard project must address various constraints to ensure data integrity, security, and effective wardrobe management. Constraints include:

Data validation and integrity checks.

Secure handling of user data.

Regular data backups and maintenance.

Integration with external services and APIs.

### 2.6.4: Functional Requirements

Functional requirements define the capabilities of the Wardrobe Wizard application, such as user login, outfit creation, sustainability features, and integration with external services. These requirements ensure that the application serves its intended purpose effectively.

### 2.6.5: Non-Functional Requirements

Non-functional requirements encompass performance, safety, and security aspects. Key non-functional requirements include database performance, safety measures to prevent data loss, and security protocols to safeguard user information.

With this comprehensive overview, we gain valuable insights into the Wardrobe Wizard project's objectives, features, and technical aspects. The subsequent chapters will delve deeper into the application's development, functionality, and potential impact on users and the fashion industry.

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**Functional Requirements****Table 2.1 Functional Requirements**

Requirement ID	Requirement	Description
WWU1_FR1	Access mode	Individuals should be able to access the system with dedicated privilege sets. Each user of the system should have his/her own set of functions and dedicated interface.
WWU_FR2	Dashboard display	This should display the current categories of the clothes the weather details notifications and few other miscellaneous stuffs.
WWU_FR3	Cloth addition	The users should be able to add new cloth to the inventory
WWU_FR4	Cloth deletion	The user should be able to delete the clothes from the inventory.
WWA_FR1	NGO verification	Admin must be able to see the details of the ngo and give verification.
WWN_FR1	Search	NGO must be able to locate the donor in there area of reach
WWN_FR2	Orders	NGO must be able to order the items once available for donation.

**Non-Functional Requirements:****Table 2.2 Non-Functional Requirements**

Requirement ID	Requirement	Description
NF_R1	Performance	Some Performance requirements identified is listed below:  1.The database shall be able to accommodate around thousand records to store.



		2.The software shall support use of multiple users at a time.
NF_R2	Safety/Security	<p><b>SAFETY</b></p> <p>The database may get crashed at any certain time due to virus or operating system failure. Therefore, it is required to take the database Backup.</p> <p><b>SECURITY</b></p> <p>Some of the factors that are identified to protect the software from accidental or malicious access, use, modification, destruction, or disclosure are described below. Keep specific log or history data sets</p> <ol style="list-style-type: none"> <li>1.Assign certain functions to different modules</li> <li>2.Restrict communications between some areas of the program</li> <li>3.Check data integrity for critical variables</li> <li>4.Later version of the software will incorporate encryption</li> <li>4.techniques in the user/license authentication process.</li> </ol>
NF_R3	Quality Requirements	<p>Reliability: The system should be reliable and available 24/7 to ensure that students, managers, and wardens can access it at any time.</p> <p>Security: The system should be secure, with appropriate measures in place to protect personal and financial data, prevent unauthorized access, and protect against cyber-attacks.</p>

		<p>Usability: The system should be user-friendly and easy to use, with a simple and intuitive interface that enables users to navigate the system quickly and easily.</p> <p>Scalability: The system should be scalable, able to handle large amounts of data, and capable of expanding to meet the growing needs of the business.</p> <p>Compatibility: The system should be compatible with different devices and web browsers, ensuring that users can access the system from their preferred device and browser.</p> <p>Accessibility: The system should be accessible to all users.</p>
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## 3. SYSTEM DESIGN

### 3.1 System Architecture

The Wardrobe Wizard application will be designed based on a 3-tier architecture, with each tier serving a distinct purpose and functionality. Here's an overview of how each tier will work and what it will consist of:

#### **The presentation tier:**

The presentation tier is the topmost layer that interacts directly with the users. Its primary function is to provide a user-friendly interface for users to interact with the application. In the case of the Wardrobe Wizard, this tier will consist of:

**User Interface (UI):** The UI will be the visual part of the application that users see and interact with on their mobile devices. It will include screens for adding, editing, and viewing clothing items, creating and managing outfits, and accessing various features of the application.

**User Input Handling:** This component will manage user inputs, such as touch gestures, button clicks, and text input. It will ensure that user actions trigger the appropriate functions and processes in the application.

**User Authentication:** The presentation tier will include features for user registration, login, and account management to ensure secure access to the application.

#### **Application Logic (Business Logic) Tier:**

The application logic tier, also known as the business logic tier, is responsible for processing user requests, implementing the core functionalities of the application, and managing data flow. For the Wardrobe Wizard, this tier will consist of:

**Outfit Generation Algorithm:** This component will be responsible for generating outfit suggestions based on various factors, such as the user's clothing items, preferences, weather

conditions, and event types. It will apply fashion rules and machine learning techniques to provide personalized outfit recommendations.

**Wardrobe Management Functions:** This part of the business logic tier will handle operations related to adding, editing, and deleting clothing items from the user's virtual wardrobe. It will also manage outfit creation, editing, and deletion.

**Sustainability Features:** The application logic tier will integrate with external services and APIs to support sustainability features, such as clothing donation to NGOs. It will facilitate the donation process and provide feedback to users.

**User Feedback and Rating System:** This component will manage user feedback on outfit suggestions and clothing items, allowing users to rate and comment on outfits. It will use this feedback to improve future recommendations.

## Data Tier:

The data tier, often referred to as the data layer, is responsible for managing the storage and retrieval of data used by the application. In the case of the Wardrobe Wizard, this tier will consist of:

**Database Management System (DBMS):** The DBMS will store and organize data related to user profiles, clothing items, outfits, user interactions, and sustainability-related information. It will ensure data integrity, security, and efficient retrieval.

**Cloud Storage:** The application will utilize cloud storage services to securely store user-generated content, such as clothing item photos and outfit images. This ensures accessibility across devices and data backup.

**External Services and APIs:** To provide real-time information on weather, event suggestions, and clothing donation options, the data tier will interact with external services and APIs. This allows the application to fetch relevant data as needed.

By separating the application into these three tiers, the Wardrobe Wizard ensures a modular and scalable architecture. This design facilitates easier maintenance, updates, and the ability to scale the application to accommodate a growing user base and evolving features.

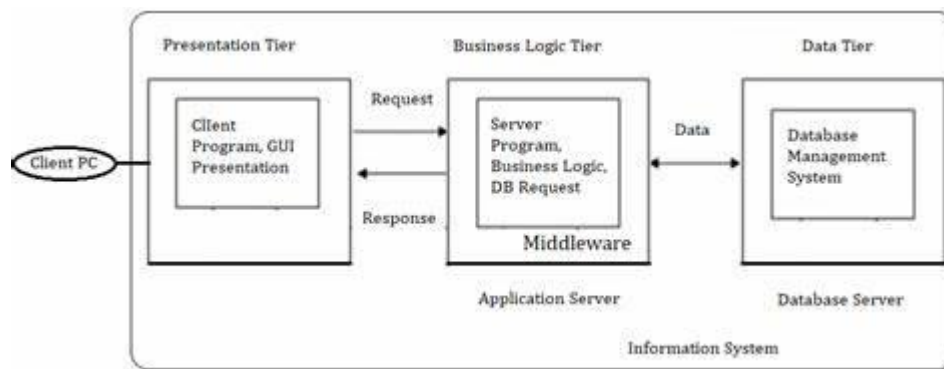


Figure 3.1 Architecture

### 3.2 Module Design

#### User Registration and Authentication:

This module allows users to create accounts, log in, and ensure secure access to their wardrobe data.

Users can register using their email or social media accounts and set up personalized profiles.

#### Wardrobe Inventory Management:

This module enables users to add, edit, and delete items from their wardrobe inventory.

Users can categorize items, attach images, and specify details such as brand, color, size, and purchase date.

#### Outfit Planner:

The outfit planner module assists users in creating stylish outfits from their wardrobe items.

Users can mix and match clothing items, receive outfit suggestions, and save their favorite combinations.

#### Wardrobe Analytics and Insights:

This module provides users with valuable insights into their fashion choices and wardrobe utilization.

Users can track how often they wear specific items, identify their favorite brands, and receive recommendations for sustainable fashion choices.

**Shopping Assistant:**

The shopping assistant module helps users make informed purchasing decisions.

Users can create shopping lists, set budgets, and receive recommendations for items that complement their existing wardrobe.

**Donation and Recycling Integration:**

To support sustainability, this module enables users to donate clothing items to NGOs or find recycling centers.

Users can schedule pickups or find nearby donation centers, contributing to responsible consumption.

**Social Sharing and Community:**

The social sharing module allows users to share their outfits and fashion tips with friends and the Wardrobe Wizard community.

Users can connect with like-minded individuals, exchange fashion ideas, and stay updated on fashion trends.

**Notifications and Reminders:**

This module sends users reminders for clothing maintenance tasks, such as dry cleaning or repairs.

Users can also receive notifications about upcoming events and recommended outfits.

**Settings and Preferences:**

The settings module allows users to customize their Wardrobe Wizard experience.

Users can adjust notification preferences, set privacy settings, and manage their account details.

**Help and Support:**

This module provides users with assistance, FAQs, and access to customer support.

Users can find answers to common questions and seek help for any technical issues.

**Admin Panel:**

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This module is for administrators to manage user accounts, resolve issues, and ensure the smooth operation of the platform.

Admins can monitor user activity, review reported content, and provide support when necessary.

**Integration with E-commerce Platforms:**

To enhance the shopping experience, this module integrates with e-commerce platforms to display clothing items available for purchase.

Users can click on items to view details and make direct purchases.

These modules collectively form the core functionality of the Wardrobe Wizard project, offering users a comprehensive wardrobe management and fashion assistance platform.

### 3.3 Data Flow Diagram

#### DFD Diagram Level 0:

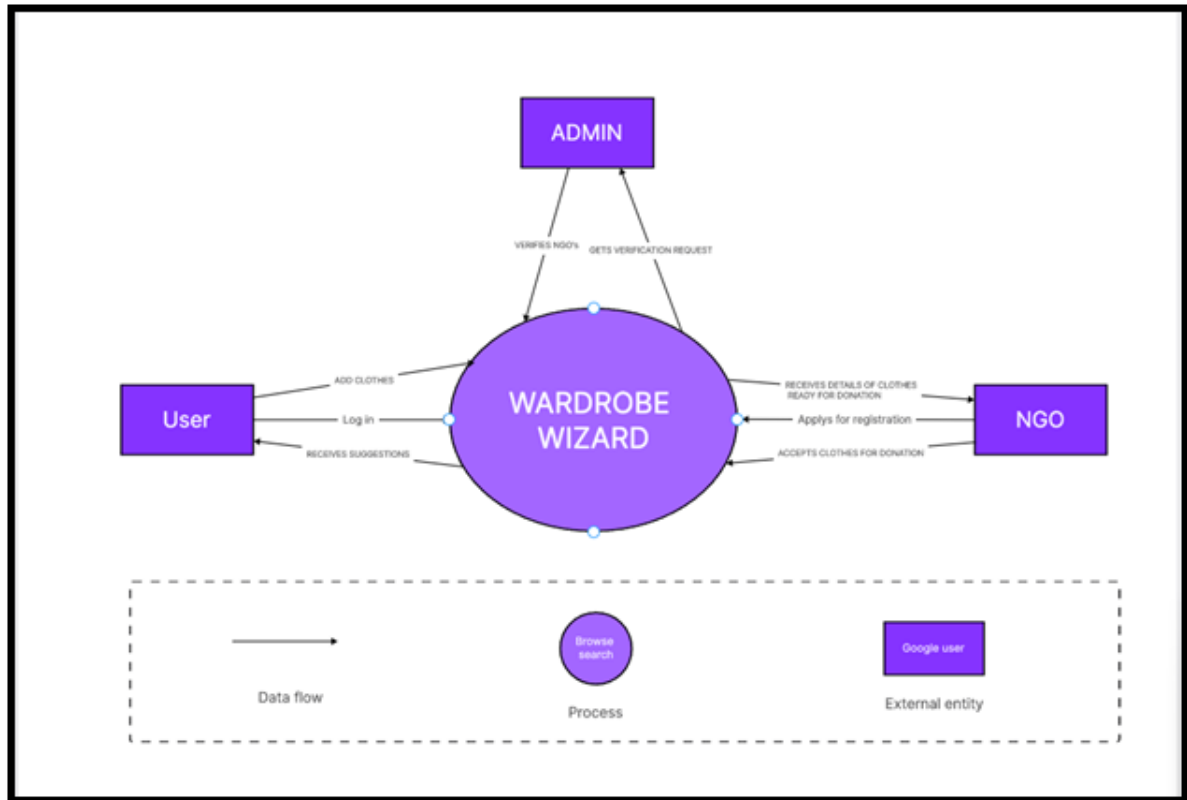
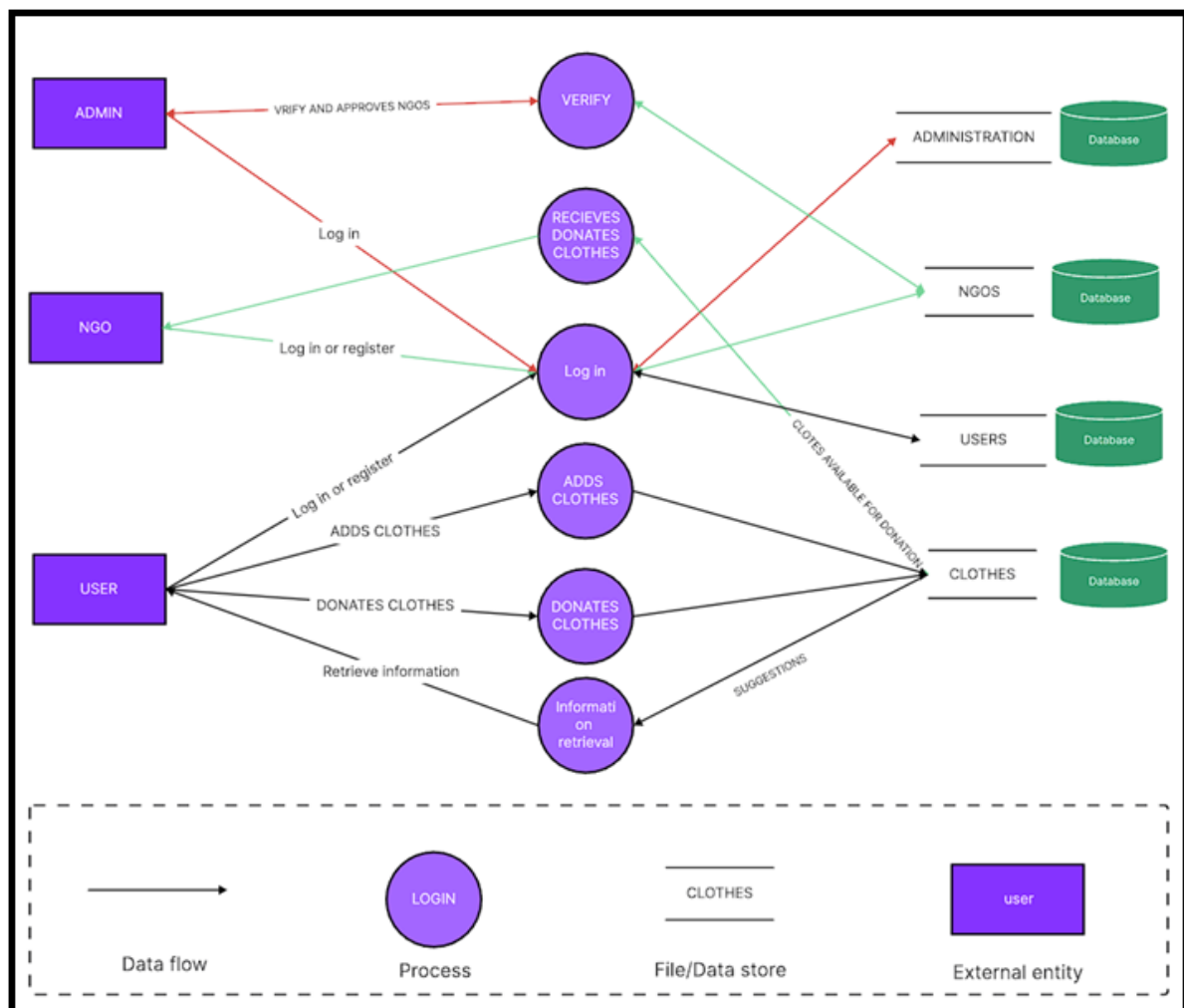


Figure 3. 2 DFD LEVEL 0



**DFD Diagram Level 1:***Figure 3. 3 DFD LEVEL 1*

### 3.4 ER Diagram

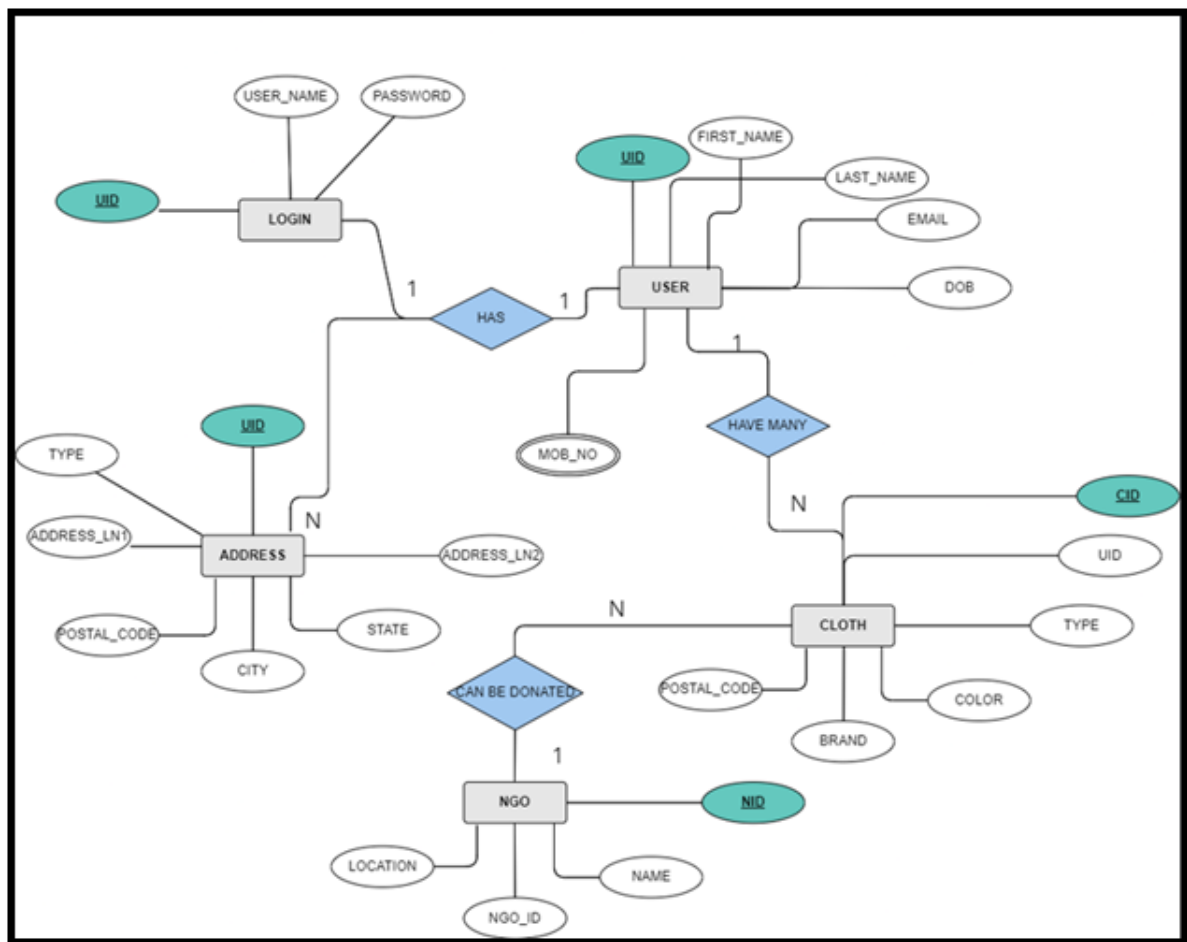


Figure 3. 4 ER DIAGRAM

### 3.5 Database Design and Table:

Address:

Column	Type	Attributes	Null	Default
add_id	int(11)		No	
address_ln1	varchar(145)		No	
address_ln2	varchar(145)		Yes	NULL
city	char(45)		No	
state	char(45)		No	
postal_code	varchar(45)		No	
type	char(15)		No	
created_at	timestamp		No	current_timestamp()

Table 3. 1 address table

Admin:

Column	Type	Attributes	Null	Default
admin_id	int(11)		No	
first_name	char(45)		No	
last_name	char(45)		Yes	NULL
email	varchar(45)		No	
phone_number	varchar(15)		No	
date_of_birth	date		Yes	NULL
gender	char(15)		No	
role	varchar(45)		Yes	NULL
created_at	timestamp		No	current_timestamp()

Table 3. 2 admin table

Cloth:

Column	Type	Attributes	Null	Default
cid	int(11)		No	
uid	int(11)		Yes	NULL
type	char(45)		Yes	NULL
color	varchar(45)		Yes	NULL
brand	varchar(45)		Yes	NULL
label	varchar(45)		Yes	NULL

Table 3. 3 cloth table

Login:

Column	Type	Attributes	Null	Default
lid	int(11)		No	
username	varchar(45)		Yes	NULL
password	varchar(255)		No	
created_at	datetime		No	current_timestamp()

Table 3. 4 login table

NGO:

Column	Type	Attributes	Null	Default
nid	int(11)		No	
name	varchar(145)		Yes	NULL
ngo_id	varchar(45)		No	
location	varchar(145)		Yes	NULL
created_at	timestamp		No	current_timestamp()

Table 3. 5 ngo table

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User:

Column	Type	Attributes	Null	Default
uid	int(11)		No	
first_name	char(45)		No	
last_name	char(45)		Yes	NULL
email	varchar(45)		No	
phone_number	varchar(45)		No	
gender	char(15)		No	
date_of_birth	date		Yes	NULL
created_at	timestamp		No	current_timestamp()

Table 3. 6 user table

### 3.6 User Interface Design:

#### USER VIEW:

- **SPLASH SCREEN:**



Figure 3. 5 splash screen

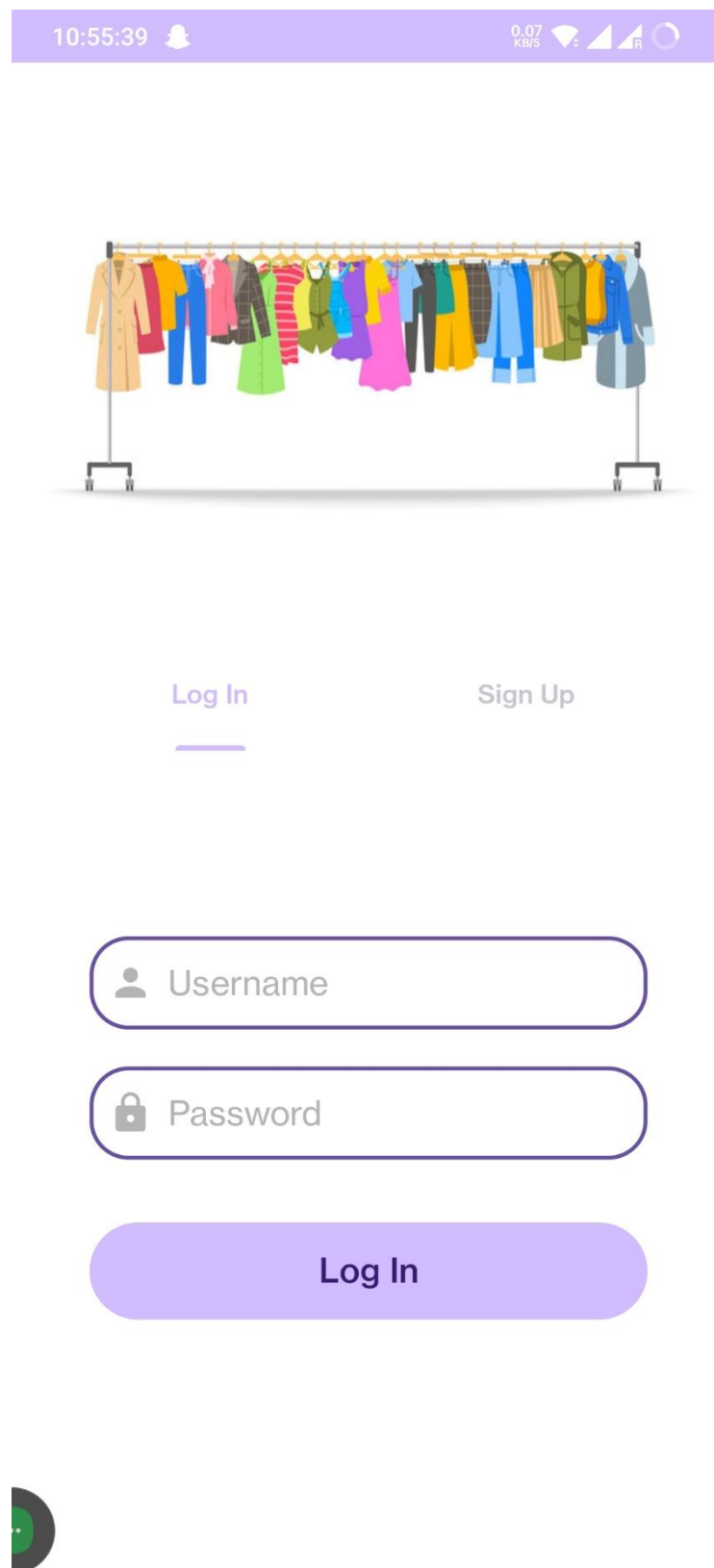
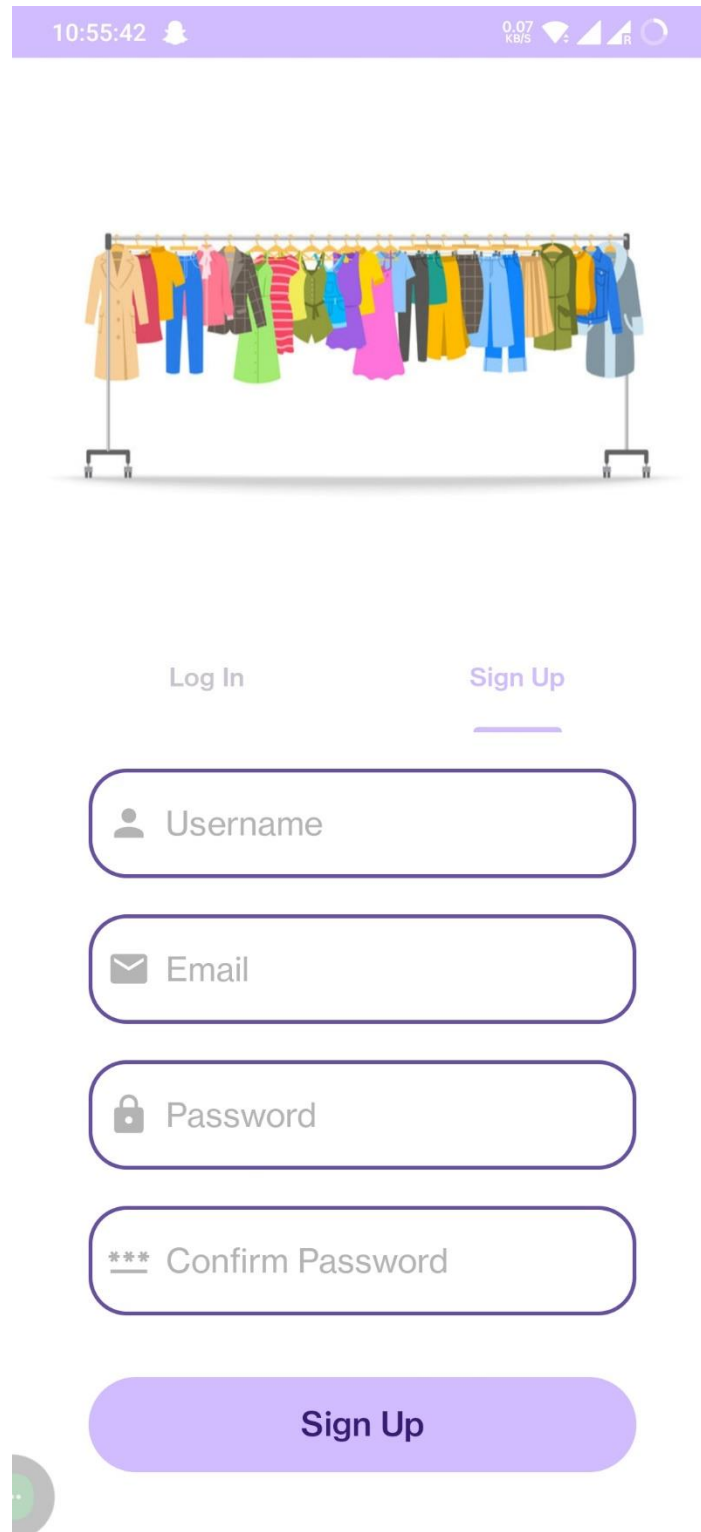
**LOGIN PAGE:**

Figure 3. 6 login

- SIGNUP PAGE:**



The image shows a mobile application interface for a 'Sign Up' page. At the top, there is a purple status bar with the time '10:55:42', a Snapchat icon, and network status indicators including '0.07 KB/s'. Below the status bar is a large illustration of a clothing rack filled with various colorful garments. The main content area has two tabs: 'Log In' and 'Sign Up', with 'Sign Up' being the active tab. Below the tabs are four input fields, each with a purple border and a corresponding icon: a person icon for 'Username', an envelope icon for 'Email', a lock icon for 'Password', and three asterisks for 'Confirm Password'. At the bottom of the form is a large, rounded purple button labeled 'Sign Up'. A small, partially visible circular icon is located at the bottom left of the screen.

Figure 3. 7 signup

- **DASH BOARD:**

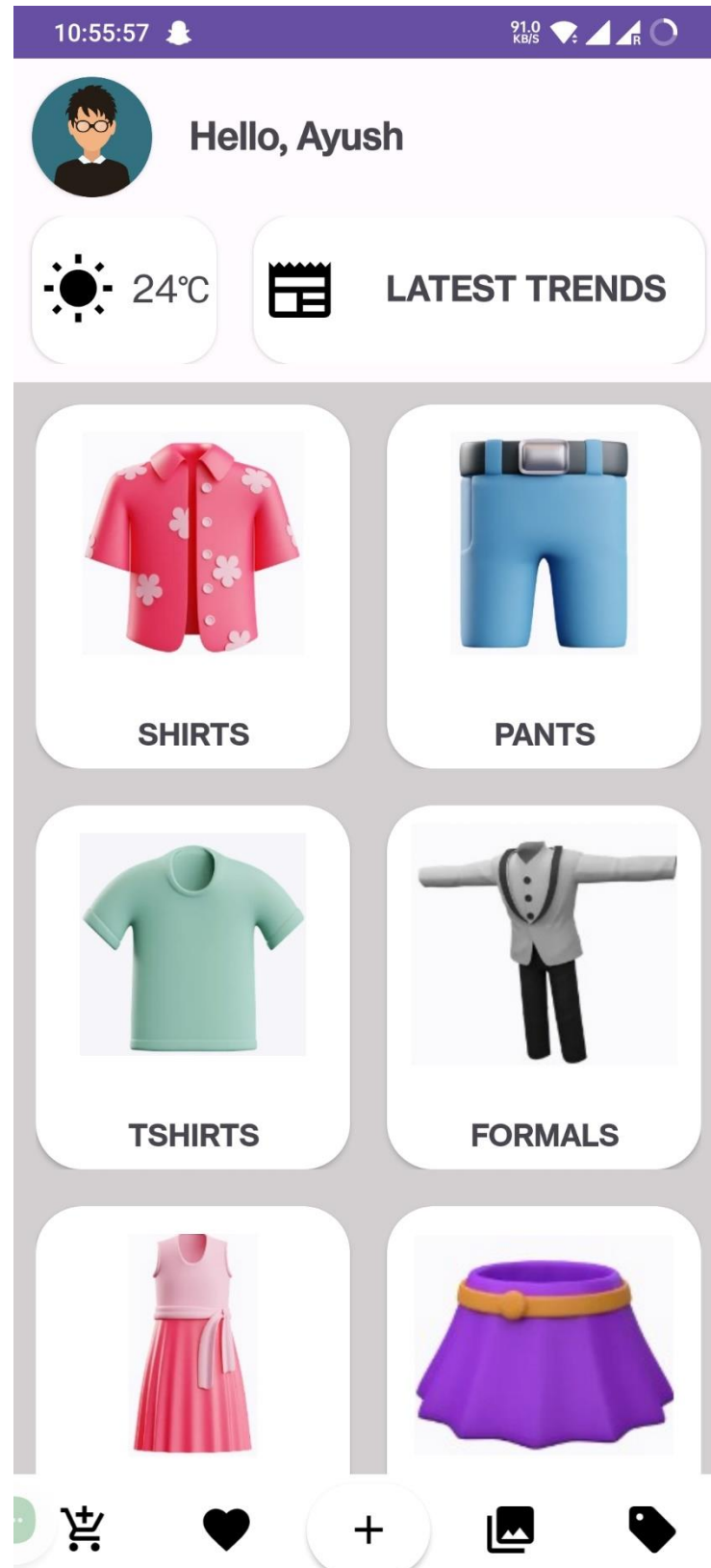


Figure 3. 8 dashboard



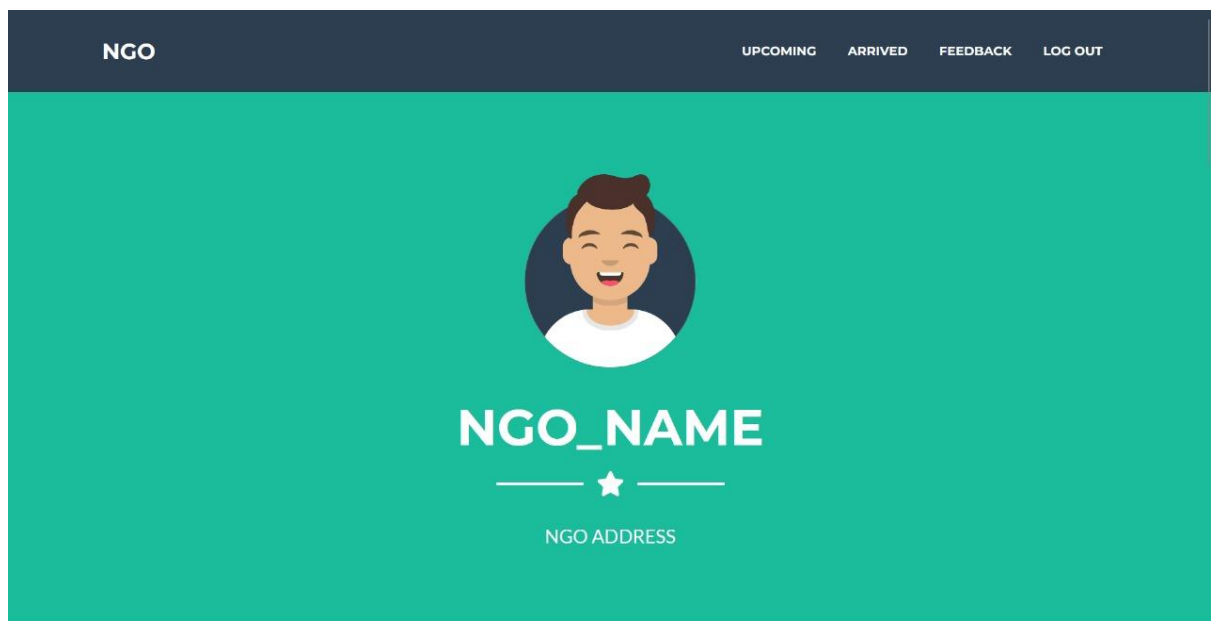
**NGO SPLASH VIEW:**

Figure 3. 9 ngo splash screen

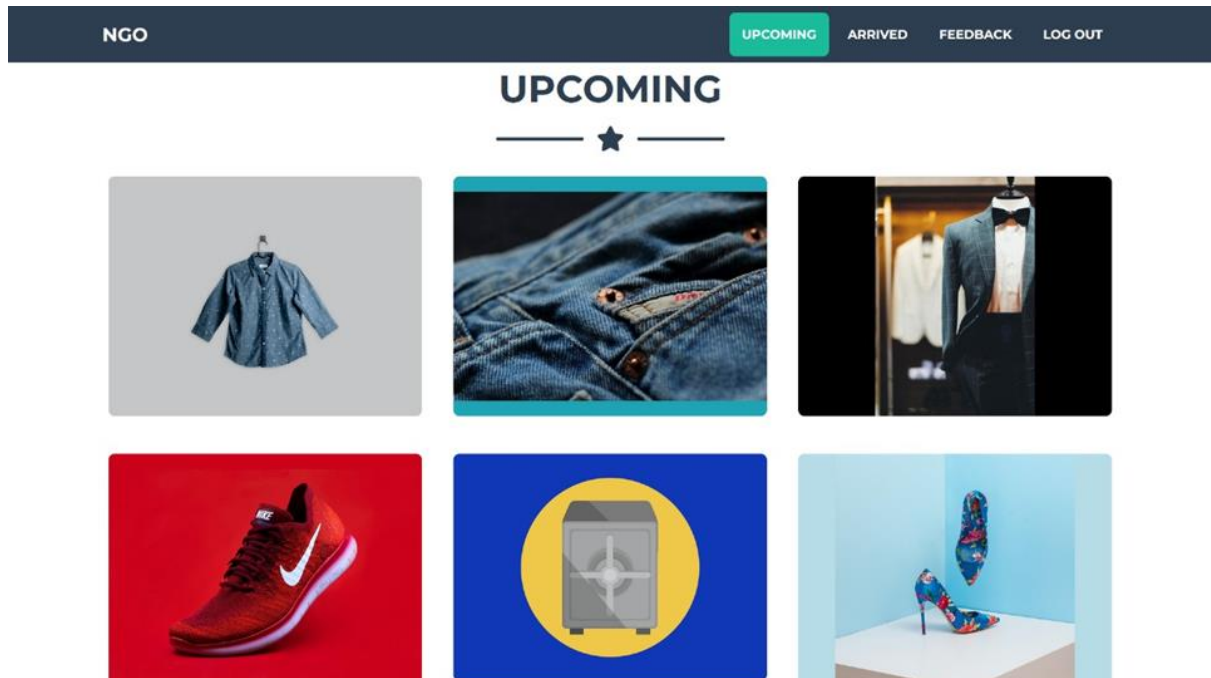
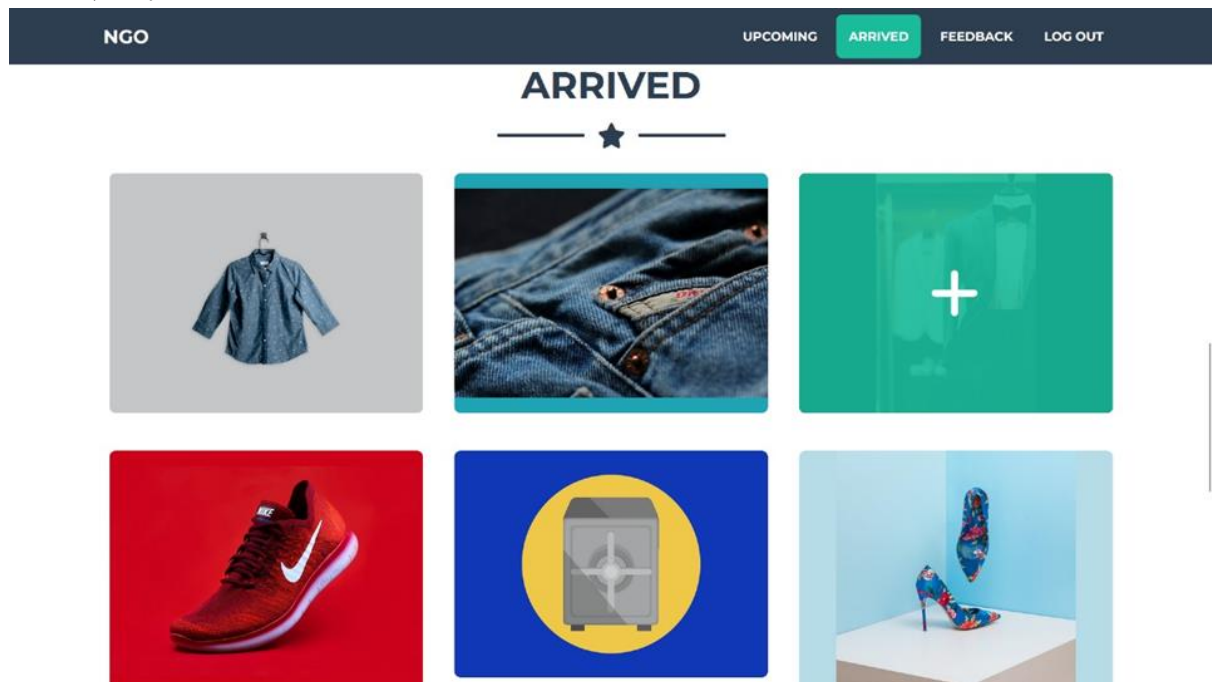
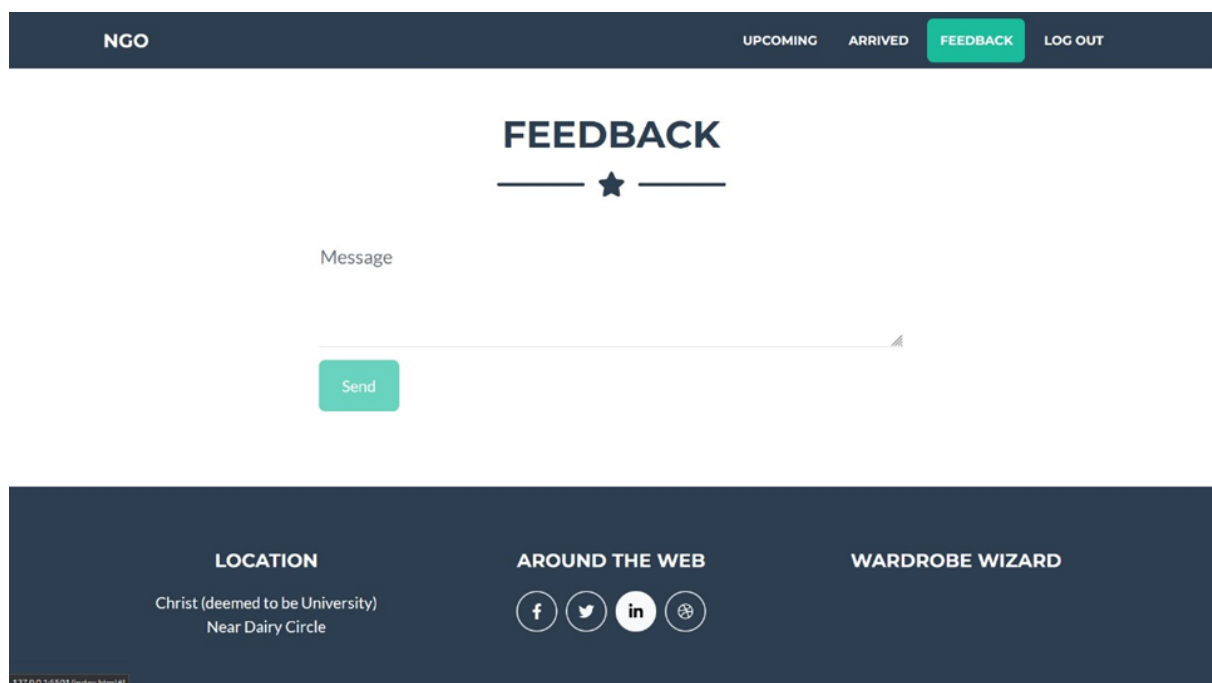
**DASHBOARD:**

Figure 3. 10 upcoming clothes

**ARRIVED:***Figure 3. 11 arrived clothes***FEEDBACK:***Figure 3. 12 feedback*

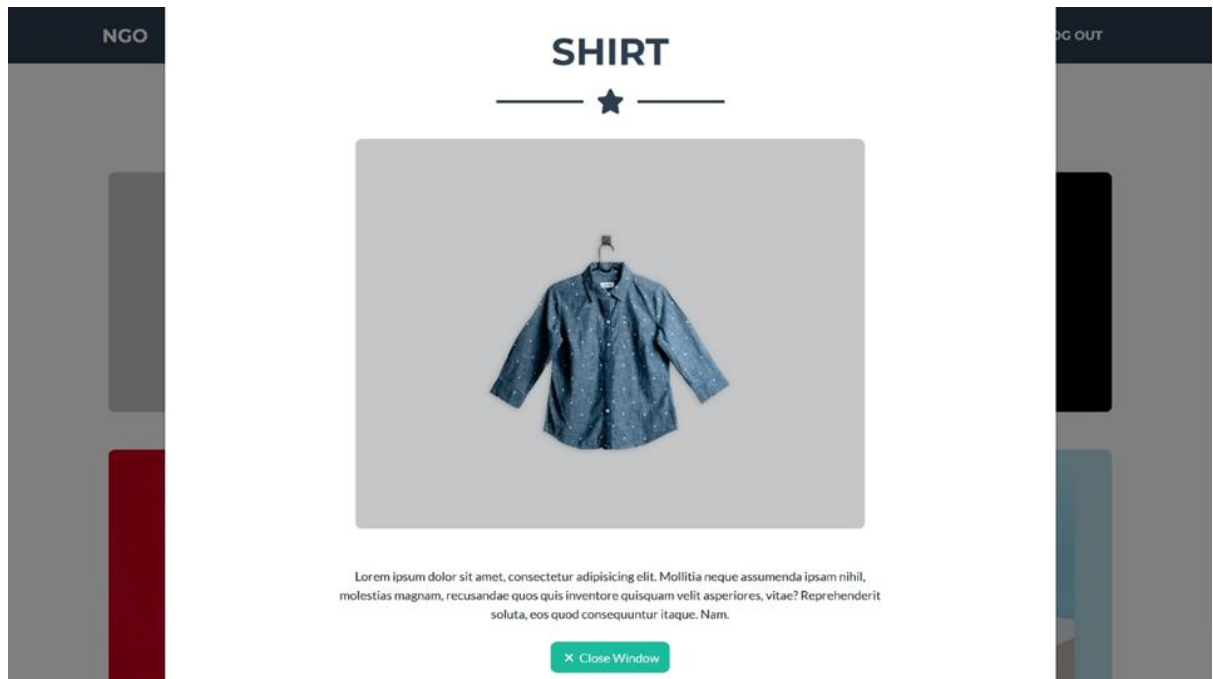
**SHIRT:**

Figure 3. 13 cloth view

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## 4.IMPLEMENTATION

### 4.1 CODING STANDARDS

In the context of the Wardrobe Wizard project, the implementation phase is a pivotal step in bringing the application to life. During this phase, our software engineers will transform the design and analysis documents into functional code. They will construct the various components of the application using Android Studio for the mobile app and HTML, Java, and CSS for the website, adhering to the architectural guidelines and requirements outlined in the earlier stages. While the primary goal is to deliver what has been requested, there remains room for innovation and adaptability. Components may be designed with a specific focus on this project's unique requirements or with a broader view to enhance reusability. The architecture document and requirements document will serve as essential references during this implementation process. The implementation phase will address critical aspects such as code quality, performance optimization, library integration, and thorough debugging. Ultimately, the end result will be the fully functioning Wardrobe Wizard mobile application and website, ready for deployment.

Code conventions play a significant role in the development of the Wardrobe Wizard application for several reasons:

**Maintenance Cost:** A substantial portion of the lifetime cost of software goes towards maintenance. Since software is often maintained by multiple individuals over its lifespan, adhering to conventions ensures that subsequent developers can understand and modify the code efficiently.

**Readability:** Consistent code conventions improve code readability. This is particularly important when new engineers join the project, as it allows them to grasp the codebase more quickly and work more effectively.

**Packaging:** If the source code is shipped as part of the product, maintaining clean and well-packaged code is essential for its overall quality.

In the context of the Wardrobe Wizard project, we will follow specific code conventions to maintain code quality and readability:

**Indentation and Line Length:** We will use an indentation of 4 spaces and avoid tabs, as tab settings can vary across systems. Lines of code will be kept at approximately 75-85 characters in length for better readability.

**Control Structures:** Control statements such as if, for, while, and switch will have one space between the control keyword and the opening parenthesis. Additionally, we will consistently use curly braces, even in situations where they are technically optional.

```
if ((condition1) || (condition2)) { action1; } else if ((condition3) && (condition4)) { action2; }  
else { defaultAction; }
```

**Function Calls:** Function calls will be made without spaces between the function name, the opening parenthesis, and the first parameter. Commas will be used to separate parameters, with spaces between the commas and each parameter.

```
variable = functionName(argument1, argument2, argument3);
```

**Function Definitions:** Function declarations will follow standard Java conventions for readability.

```
public returnType functionName(parameter1, parameter2) { if (condition) { // Statement }  
return value; }
```

**Comments:** Comments will be utilized as needed, with support for single-line comments (//) and multi-line comments (/\* \*/).

**Variable Names:** Variable names will follow conventions such as using camelCase, where the first letter is lowercase, and subsequent words are capitalized.

**Reentrant Functions:** Functions should be designed to be reentrant without causing conflicts.

**Alignment of Declaration Blocks:** Blocks of declarations will be aligned for improved code readability.

**One Statement Per Line:** To enhance code clarity, there should be only one statement per line, except in cases where statements are closely related.

**Short Methods or Functions:** Methods and functions should be concise, aiming to limit themselves to a reasonable length for maintainability.

By adhering to these code conventions, the Wardrobe Wizard project will ensure the development of clean, readable, and maintainable code, ultimately contributing to the project's overall success and longevity.

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## 4.2 IMPLEMENTATIONAL CODE

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center"

    android:background="@color/white">

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/app_bar"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        android:background="@color/white"
        android:elevation="4dp"
        app:subtitleTextColor="@color/black"
        app:title="WARDROBE WIZARD"
        app:titleTextAppearance="@style/TextAppearance.AppCompat.Large"
        app:titleTextColor="@color/black" />

    <RelativeLayout
        android:id="@+id/profilelayout"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/app_bar">

        <androidx.cardview.widget.CardView
            android:id="@+id/profile_pic"
            android:layout_width="85dp"
            android:layout_height="85dp"
```

---

```
app:cardCornerRadius="250dp"
app:cardBackgroundColor="@color/white">

<androidx.cardview.widget.CardView
    android:layout_width="75dp"
    android:layout_height="75dp"
    app:cardCornerRadius="250dp"
    android:layout_gravity="center">

    <ImageView
        android:id="@+id/profile"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:src="@drawable/img"
    />

</androidx.cardview.widget.CardView>
</androidx.cardview.widget.CardView>

<TextView
    android:layout_centerVertical="true"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="xyz_xyz"
    android:textColor="#000000"
    android:layout_toEndOf="@id/profile_pic" />

<Button
    android:id="@+id/buttonxyz"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerVertical="true"
    android:layout_alignParentEnd="true"
    android:text="actions"
```

---

---

```
        tools:ignore="NotSibling" />
    </RelativeLayout>
    <ScrollView
        android:layout_below="@+id/profilelayout"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="150dp"
                android:layout_weight="1"
                android:orientation="horizontal">

                <ImageButton
                    android:id="@+id/Shoes"
                    android:layout_width="200dp"

                    android:layout_height="150dp"
                    android:layout_margin="8dp"
                    android:layout_weight="1"
                    android:contentDescription="category_shoes"
                    android:elevation="4dp"
                    android:scaleType="fitXY"
                    android:src="@drawable/shoes" />

                <ImageButton
                    android:id="@+id/Accessories"
                    android:layout_width="200dp"
```

---



```
        android:layout_height="150dp"
        android:layout_margin="8dp"
        android:layout_weight="1"

        android:elevation="4dp"
        android:scaleType="fitXY"
        android:src="@drawable/accessories" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="150dp"
    android:layout_weight="1"
    android:orientation="horizontal">

    <ImageButton
        android:id="@+id/Shirt"
        android:layout_width="200dp"
        android:layout_height="150dp"
        android:layout_margin="8dp"

        android:layout_weight="1"
        android:contentDescription="category_shirts"
        android:elevation="4dp"
        android:scaleType="fitXY"
        android:src="@drawable/shirt" />
```

```
<ImageButton
    android:id="@+id/Pant"
    android:layout_width="200dp"
    android:layout_height="150dp"
    android:layout_margin="8dp"
```

```
        android:layout_weight="1"
        android:contentDescription="category_pants"
        android:elevation="4dp"
        android:scaleType="fitXY"
        android:src="@drawable/pant" />
</LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="150dp"
    android:layout_weight="1"
    android:orientation="horizontal">
```

```
<ImageButton
    android:id="@+id/Coat"
    android:layout_width="200dp"
    android:layout_height="150dp"
    android:layout_margin="8dp"

    android:layout_weight="1"
    android:contentDescription="coat"
    android:elevation="4dp"
    android:scaleType="fitXY"
    android:src="@drawable/coat" />
```

```
<ImageButton
    android:id="@+id/WinterWear"
    android:layout_width="200dp"
    android:layout_height="150dp"
    android:layout_margin="8dp"

    android:layout_weight="1"
    android:contentDescription="winter_wear"
```

---

```
        android:elevation="4dp"
        android:scaleType="fitXY"
        android:src="@drawable/winterwear" />
    </LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="150dp"
    android:layout_weight="1"
    android:orientation="horizontal">
```

```
<ImageButton
    android:id="@+id/buttonCoat"
    android:layout_width="200dp"
    android:layout_height="150dp"
    android:layout_margin="8dp"

    android:layout_weight="1"
    android:contentDescription="coat"
    android:elevation="4dp"
    android:scaleType="fitXY"
    android:src="@drawable/coat" />
```

```
<ImageButton
    android:id="@+id/buttonWinterWear"
    android:layout_width="200dp"
    android:layout_height="150dp"
    android:layout_margin="8dp"

    android:layout_weight="1"
    android:contentDescription="winter_wear"
```

```
        android:elevation="4dp"
        android:scaleType="fitXY"
        android:src="@drawable/winterwear" />
    </LinearLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="150dp"
    android:layout_weight="1"
    android:orientation="horizontal">
```

```
<ImageButton
    android:id="@+id/buttonCoat"
    android:layout_width="200dp"
    android:layout_height="150dp"
    android:layout_margin="8dp"

    android:layout_weight="1"
    android:contentDescription="coat"
    android:elevation="4dp"
    android:scaleType="fitXY"
    android:src="@drawable/coat" />
```

```
<ImageButton
    android:id="@+id/buttonWinterWear"
    android:layout_width="200dp"
    android:layout_height="150dp"
    android:layout_margin="8dp"

    android:layout_weight="1"
    android:contentDescription="winter_wear"
    android:elevation="4dp"
```

---

```
        android:scaleType="fitXY"
        android:src="@drawable/winterwear" />

    </LinearLayout>

</LinearLayout>

</ScrollView>

<com.google.android.material.navigation.NavigationView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:background="@color/white"
    android:backgroundTint="@color/white">

    <LinearLayout

        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#ffffff"
        android:orientation="horizontal">

        <ImageButton
            android:id="@+id/imageButton1"
            android:layout_width="70dp"
            android:layout_height="80dp"
            android:layout_weight="1"
            android:backgroundTint="#EDE0E0"
            android:scaleType="fitXY"
```

---

---

```
android:src="@drawable/home" />
```

```
<ImageButton
```

```
    android:id="@+id/imageButton2"
    android:layout_width="wrap_content"
    android:layout_height="80dp"

    android:layout_toEndOf="@+id/imageButton1"
    android:layout_weight="1"
    android:backgroundTint="#EDE0E0"
    android:contentDescription="@string/todo"
    android:scaleType="fitXY"
    android:src="@android:drawable/ic_menu_edit" />
```

```
<ImageButton
```

```
    android:id="@+id/imageButton3"
    android:layout_width="70dp"
    android:layout_height="80dp"

    android:layout_toEndOf="@+id/imageButton2"
    android:layout_weight="1"
    android:backgroundTint="#EDE0E0"
    android:contentDescription="@string/todo"
    android:scaleType="fitXY"
    android:src="@android:drawable/sym_action_email" />
```

```
<ImageButton
```

```
    android:id="@+id/imageButton4"
    android:layout_width="70dp"
    android:layout_height="80dp"
    android:layout_toEndOf="@+id/imageButton3"
    android:layout_weight="1"
```

---

```
        android:backgroundTint="#EDE0E0"
        android:contentDescription="@string/todo"
        android:scaleType="fitXY"
        android:src="@android:drawable/stat_sys_upload" />
    </LinearLayout>
</com.google.android.material.navigation.NavigationView>
</RelativeLayout>
```

```
package com.example.wardrobewizard2609;
```

```
import android.content.Intent;
import android.os.Bundle;
```

```
import androidx.fragment.app.Fragment;
import androidx.fragment.app.FragmentTransaction;
```

```
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;
```

```
/**
```

```
 * A simple { @link Fragment } subclass.
 * Use the { @link LoginFragment#newInstance } factory method to
 * create an instance of this fragment.
 */
```

```
public class LoginFragment extends Fragment {
//
//  // TODO: Rename parameter arguments, choose names that match
//  // the fragment initialization parameters, e.g. ARG_ITEM_NUMBER
    private static final String ARG_PARAM1 = "param1";
```

---

```
private static final String ARG_PARAM2 = "param2";
//
// // TODO: Rename and change types of parameters
private String mParam1;
private String mParam2;
Button login;
//
// public LoginFragment() {
//     // Required empty public constructor
// }
//
// /**
//  * Use this factory method to create a new instance of
//  * this fragment using the provided parameters.
//  *
//  * @param param1 Parameter 1.
//  * @param param2 Parameter 2.
//  * @return A new instance of fragment LoginFragment.
//  */
// // TODO: Rename and change types and number of parameters
// public static LoginFragment newInstance(String param1, String param2) {
//     LoginFragment fragment = new LoginFragment();
//     Bundle args = new Bundle();
//     args.putString(ARG_PARAM1, param1);
//     args.putString(ARG_PARAM2, param2);
//     fragment.setArguments(args);
//     return fragment;
// }

@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    if (getArguments() != null) {
```

---



---

```
mParam1 = getArguments().getString(ARG_PARAM1);
mParam2 = getArguments().getString(ARG_PARAM2);
}

}

@Override
public View onCreateView(LayoutInflater inflater, ViewGroup container,
                        Bundle savedInstanceState) {
    // Inflate the layout for this fragment
    View frag= inflater.inflate(R.layout.fragment_login, container, false);
    login= frag.findViewById(R.id.buttonLogin);
    View.OnClickListener onClickListener = new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent dashboard;
            dashboard = new Intent(getActivity(), Dashboard.class);
            startActivity(dashboard);
        }
    };

    login.setOnClickListener(onClickListener);
    TextView signupswitch = frag.findViewById(R.id.textViewSignUp);
    signupswitch.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            SignupFragment destinationFragment = new SignupFragment();

            // Replace the current fragment with the destination fragment
            FragmentTransaction transaction =
requireActivity().getSupportFragmentManager().beginTransaction();
            transaction.replace(R.id.fragmentcontainer, destinationFragment);
```

---

```

        transaction.addToBackStack(null); // Optional: Add to back stack for back
navigation
        transaction.commit();
    }
});
return frag;
}
}

```

```

<!-- Portfolio Item 6-->
    <div class="col-md-6 col-lg-4">
        <div class="portfolio-item mx-auto" data-bs-toggle="modal" data-bs-
target="#portfolioModal6">
            <div class="portfolio-item-caption d-flex align-items-center justify-content-
center h-100 w-100">
                <div class="portfolio-item-caption-content text-center text-white"><i
class="fas fa-plus fa-3x"></i></div>
            </div>
            
        </div>
    </div>
</div>
</div>
</div>
</section>

```

```

<!-- Arrived Section-->
<section class="page-section portfolio" id="arrived">
    <div class="container">
        <!-- Portfolio Section Heading-->

```

```
<h2 class="page-section-heading text-center text-uppercase text-secondary mb-0">Arrived</h2>

<!-- Icon Divider-->
<div class="divider-custom">
  <div class="divider-custom-line"></div>
  <div class="divider-custom-icon"><i class="fas fa-star"></i></div>
  <div class="divider-custom-line"></div>
</div>

<!-- Portfolio Grid Items-->
<div class="row justify-content-center">
  <!-- Portfolio Item 1-->
  <div class="col-md-6 col-lg-4 mb-5">
    <div class="portfolio-item mx-auto" data-bs-toggle="modal" data-bs-target="#portfolioModal1">
      <div class="portfolio-item-caption d-flex align-items-center justify-content-center h-100 w-100">
        <div class="portfolio-item-caption-content text-center text-white"><i class="fas fa-plus fa-3x"></i></div>
      </div>
      
    </div>
  </div>

  <!-- Portfolio Item 2-->
  <div class="col-md-6 col-lg-4 mb-5">
    <div class="portfolio-item mx-auto" data-bs-toggle="modal" data-bs-target="#portfolioModal2">
      <div class="portfolio-item-caption d-flex align-items-center justify-content-center h-100 w-100">
        <div class="portfolio-item-caption-content text-center text-white"><i class="fas fa-plus fa-3x"></i></div>
      </div>
      
    </div>
  </div>
</div>
```

```
</div>
<!-- Portfolio Item 3-->
<div class="col-md-6 col-lg-4 mb-5">
  <div class="portfolio-item mx-auto" data-bs-toggle="modal" data-bs-
target="#portfolioModal3">
    <div class="portfolio-item-caption d-flex align-items-center justify-content-
center h-100 w-100">
      <div class="portfolio-item-caption-content text-center text-white"><i
class="fas fa-plus fa-3x"></i></div>
    </div>
    
  </div>
</div>
<!-- Portfolio Item 4-->
<div class="col-md-6 col-lg-4 mb-5 mb-lg-0">
  <div class="portfolio-item mx-auto" data-bs-toggle="modal" data-bs-
target="#portfolioModal4">
    <div class="portfolio-item-caption d-flex align-items-center justify-content-
center h-100 w-100">
      <div class="portfolio-item-caption-content text-center text-white"><i
class="fas fa-plus fa-3x"></i></div>
    </div>
    
  </div>
</div>
<!-- Portfolio Item 5-->
<div class="col-md-6 col-lg-4 mb-5 mb-md-0">
  <div class="portfolio-item mx-auto" data-bs-toggle="modal" data-bs-
target="#portfolioModal5">
    <div class="portfolio-item-caption d-flex align-items-center justify-content-
center h-100 w-100">
      <div class="portfolio-item-caption-content text-center text-white"><i
class="fas fa-plus fa-3x"></i></div>
```

```

        </div>
        
    </div>
</div>
<!-- Portfolio Item 6-->
<div class="col-md-6 col-lg-4">
    <div class="portfolio-item mx-auto" data-bs-toggle="modal" data-bs-
target="#portfolioModal6">
        <div class="portfolio-item-caption d-flex align-items-center justify-content-
center h-100 w-100">
            <div class="portfolio-item-caption-content text-center text-white"><i
class="fas fa-plus fa-3x"></i></div>
            </div>
            
        </div>
    </div>
</div>
</div>
</div>
</section>

<!-- Contact Section-->
<section class="page-section" id="feedback">
    <div class="container">
        <!-- Contact Section Heading-->
        <h2 class="page-section-heading text-center text-uppercase text-secondary mb-
0">Feedback</h2>
        <!-- Icon Divider-->
        <div class="divider-custom">
            <div class="divider-custom-line"></div>
            <div class="divider-custom-icon"><i class="fas fa-star"></i></div>
            <div class="divider-custom-line"></div>
        </div>
        <!-- Contact Section Form-->

```

---

```

<div class="row justify-content-center">
  <div class="col-lg-8 col-xl-7">

    <form id="contactForm" data-sb-form-api-token="API_TOKEN">

      <!-- Message input-->
      <div class="form-floating mb-3">
        <textarea class="form-control" id="message" type="text"
placeholder="Enter your message here..." style="height: 10rem" data-sb-
validations="required"></textarea>
        <label for="message">Message</label>
        <div class="invalid-feedback" data-sb-feedback="message:required">A
message is required.</div>
      </div>
      <!-- Submit success message-->
      <!------>
      <!-- This is what your users will see when the form-->
      <!-- has successfully submitted-->
      <div class="d-none" id="submitSuccessMessage">
        <div class="text-center mb-3">
          <div class="fw-bolder">Form submission successful!</div>
          To activate this form, sign up at
          <br />
          <a href="https://startbootstrap.com/solution/contact-
forms">https://startbootstrap.com/solution/contact-forms</a>
        </div>
      </div>
      <!-- Submit error message-->
      <!------>
      <!-- This is what your users will see when there is-->
      <!-- an error submitting the form-->

```

---

```

        <div class="d-none" id="submitErrorMessage"><div class="text-center
text-danger mb-3">Error sending message!</div></div>

        <!-- Submit Button-->
        <button class="btn btn-primary btn-xl disabled" id="submitButton"
type="submit">Send</button>

    </form>
</div>
</div>
</div>
</section>
<!-- Footer-->
<footer class="footer text-center">
    <div class="container">
        <div class="row">
            <!-- Footer Location-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h4 class="text-uppercase mb-4">Location</h4>
                <p class="lead mb-0">
                    Christ (deemed to be University)
                    <br />
                    Near Dairy Circle
                </p>
            </div>
            <!-- Footer Social Icons-->
            <div class="col-lg-4 mb-5 mb-lg-0">
                <h4 class="text-uppercase mb-4">Around the Web</h4>
                <a class="btn btn-outline-light btn-social mx-1" href="#"><i class="fab fa-fw
fa-facebook-f"></i></a>
                <a class="btn btn-outline-light btn-social mx-1" href="#"><i class="fab fa-fw
fa-twitter"></i></a>
                <a class="btn btn-outline-light btn-social mx-1" href="#"><i class="fab fa-fw
fa-linkedin-in"></i></a>

```

```

        <a class="btn btn-outline-light btn-social mx-1" href="#!"><i class="fab fa-fw
fa-dribbble"></i></a>

    </div>

    <!-- Footer About Text-->

    <div class="col-lg-4">

        <h4 class="text-uppercase mb-4"> Wardrobe Wizard</h4>

    </div>

</div>

</div>

</footer>

<!-- Copyright Section-->

<div class="copyright py-4 text-center text-white">

    <div class="container"><small>Copyright    &copy;    Wardrobe    Wizard
2023</small></div>

</div>

<!-- Portfolio Modals-->

<!-- Portfolio Modal 1-->

<div class="portfolio-modal modal fade" id="portfolioModal1" tabindex="-1" aria-
labelledby="portfolioModal1" aria-hidden="true">

    <div class="modal-dialog modal-xl">

        <div class="modal-content">

            <div class="modal-header border-0"><button class="btn-close" type="button"
data-bs-dismiss="modal" aria-label="Close"></button></div>

            <div class="modal-body text-center pb-5">

                <div class="container">

                    <div class="row justify-content-center">

                        <div class="col-lg-8">

                            <!-- Portfolio Modal - Title-->

                            <h2 class="portfolio-modal-title text-secondary text-uppercase mb-
0">Shirt</h2>

                            <!-- Icon Divider-->

                            <div class="divider-custom">

                                <div class="divider-custom-line"></div>

```



---

```

        <div class="divider-custom-icon"><i class="fas fa-star"></i></div>
        <div class="divider-custom-line"></div>
    </div>
    <!-- Portfolio Modal - Image-->
    
    <!-- Portfolio Modal - Text-->
    <p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing
elit. Mollitia neque assumenda ipsam nihil, molestias magnam, recusandae quos quis inventore
quisquam velit asperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque.
Nam.</p>

    <button class="btn btn-primary" data-bs-dismiss="modal">
        <i class="fas fa-xmark fa-fw"></i>
        Close Window
    </button>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- Portfolio Modal 2-->
<div class="portfolio-modal modal fade" id="portfolioModal2" tabindex="-1" aria-
labelledby="portfolioModal2" aria-hidden="true">
    <div class="modal-dialog modal-xl">
        <div class="modal-content">
            <div class="modal-header border-0"><button class="btn-close" type="button"
data-bs-dismiss="modal" aria-label="Close"></button></div>
            <div class="modal-body text-center pb-5">
                <div class="container">
                    <div class="row justify-content-center">
                        <div class="col-lg-8">

```

---

```

<!-- Portfolio Modal - Title-->
<h2 class="portfolio-modal-title text-secondary text-uppercase mb-0">Denim</h2>

<!-- Icon Divider-->
<div class="divider-custom">
  <div class="divider-custom-line"></div>
  <div class="divider-custom-icon"><i class="fas fa-star"></i></div>
  <div class="divider-custom-line"></div>
</div>

<!-- Portfolio Modal - Image-->


<!-- Portfolio Modal - Text-->
<p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Mollitia neque assumenda ipsam nihil, molestias magnam, recusandae quos quis inventore quisquam velit asperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque. Nam.</p>

<button class="btn btn-primary" data-bs-dismiss="modal">
  <i class="fas fa-xmark fa-fw"></i>
  Close Window
</button>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- Portfolio Modal 3-->
<div class="portfolio-modal modal fade" id="portfolioModal3" tabindex="-1" aria-labelledby="portfolioModal3" aria-hidden="true">
  <div class="modal-dialog modal-xl">
    <div class="modal-content">

```

```

    <div class="modal-header border-0"><button class="btn-close" type="button"
data-bs-dismiss="modal" aria-label="Close"></button></div>
    <div class="modal-body text-center pb-5">
        <div class="container">
            <div class="row justify-content-center">
                <div class="col-lg-8">
                    <!-- Portfolio Modal - Title-->
                    <h2 class="portfolio-modal-title text-secondary text-uppercase mb-
0">Suit</h2>
                    <!-- Icon Divider-->
                    <div class="divider-custom">
                        <div class="divider-custom-line"></div>
                        <div class="divider-custom-icon"><i class="fas fa-star"></i></div>
                        <div class="divider-custom-line"></div>
                    </div>
                    <!-- Portfolio Modal - Image-->
                    
                    <!-- Portfolio Modal - Text-->
                    <p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing
elit. Mollitia neque assumenda ipsam nihil, molestias magnam, recusandae quos quis inventore
quisquam velit asperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque.
Nam.</p>
                    <button class="btn btn-primary" data-bs-dismiss="modal">
                        <i class="fas fa-xmark fa-fw"></i>
                        Close Window
                    </button>
                </div>
            </div>
        </div>
    </div>
</div>
</div>
</div>

```

```

</div>
<!-- Portfolio Modal 4-->
<div class="portfolio-modal modal fade" id="portfolioModal4" tabindex="-1" aria-
labelledby="portfolioModal4" aria-hidden="true">
  <div class="modal-dialog modal-xl">
    <div class="modal-content">
      <div class="modal-header border-0"><button class="btn-close" type="button"
data-bs-dismiss="modal" aria-label="Close"></button></div>
      <div class="modal-body text-center pb-5">
        <div class="container">
          <div class="row justify-content-center">
            <div class="col-lg-8">
              <!-- Portfolio Modal - Title-->
              <h2 class="portfolio-modal-title text-secondary text-uppercase mb-
0">Shoes</h2>
              <!-- Icon Divider-->
              <div class="divider-custom">
                <div class="divider-custom-line"></div>
                <div class="divider-custom-icon"><i class="fas fa-star"></i></div>
                <div class="divider-custom-line"></div>
              </div>
              <!-- Portfolio Modal - Image-->
              
              <!-- Portfolio Modal - Text-->
              <p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing
elit. Mollitia neque assumenda ipsam nihil, molestias magnam, recusandae quos quis inventore
quisquam velit asperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque.
Nam.</p>
              <button class="btn btn-primary" data-bs-dismiss="modal">
                <i class="fas fa-xmark fa-fw"></i>
                Close Window
              </button>

```

---

```

        </div>
    </div>
</div>
</div>
</div>
</div>
</div>
<!-- Portfolio Modal 5-->
<div class="portfolio-modal modal fade" id="portfolioModal5" tabindex="-1" aria-
labelledby="portfolioModal5" aria-hidden="true">
    <div class="modal-dialog modal-xl">
        <div class="modal-content">
            <div class="modal-header border-0"><button class="btn-close" type="button"
data-bs-dismiss="modal" aria-label="Close"></button></div>
            <div class="modal-body text-center pb-5">
                <div class="container">
                    <div class="row justify-content-center">
                        <div class="col-lg-8">
                            <!-- Portfolio Modal - Title-->
                            <h2 class="portfolio-modal-title text-secondary text-uppercase mb-
0">Locked Safe</h2>
                            <!-- Icon Divider-->
                            <div class="divider-custom">
                                <div class="divider-custom-line"></div>
                                <div class="divider-custom-icon"><i class="fas fa-star"></i></div>
                                <div class="divider-custom-line"></div>
                            </div>
                            <!-- Portfolio Modal - Image-->
                            
                            <!-- Portfolio Modal - Text-->
                            <p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing
elit. Mollitia neque assumenda ipsam nihil, molestias magnam, recusandae quos quis inventore

```

---

quisquam velit asperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque. Nam.

```

        <button class="btn btn-primary" data-bs-dismiss="modal">
            <i class="fas fa-xmark fa-fw"></i>
            Close Window
        </button>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- Portfolio Modal 6-->
<div class="portfolio-modal modal fade" id="portfolioModal6" tabindex="-1" aria-
labelledby="portfolioModal6" aria-hidden="true">
    <div class="modal-dialog modal-xl">
        <div class="modal-content">
            <div class="modal-header border-0"><button class="btn-close" type="button"
data-bs-dismiss="modal" aria-label="Close"></button></div>
            <div class="modal-body text-center pb-5">
                <div class="container">
                    <div class="row justify-content-center">
                        <div class="col-lg-8">
                            <!-- Portfolio Modal - Title-->
                            <h2 class="portfolio-modal-title text-secondary text-uppercase mb-
0">Girl-Shoe</h2>
                            <!-- Icon Divider-->
                            <div class="divider-custom">
                                <div class="divider-custom-line"></div>
                                <div class="divider-custom-icon"><i class="fas fa-star"></i></div>
                                <div class="divider-custom-line"></div>
                            </div>

```

```

        <!-- Portfolio Modal - Image-->
        

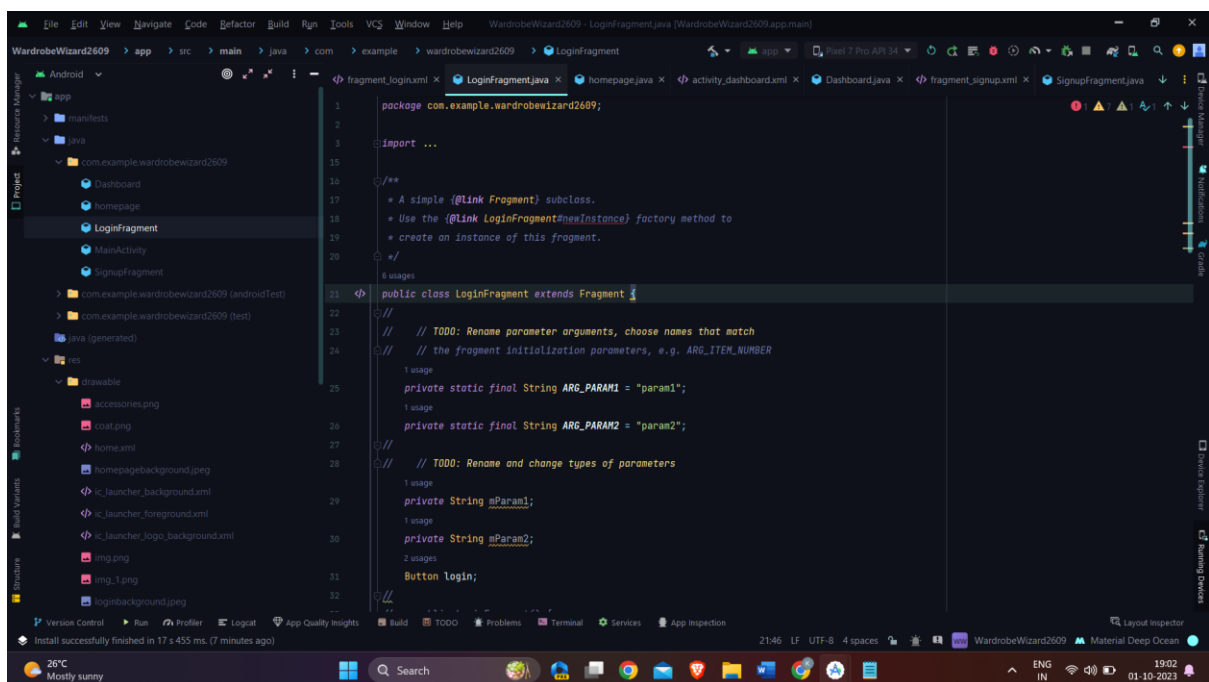
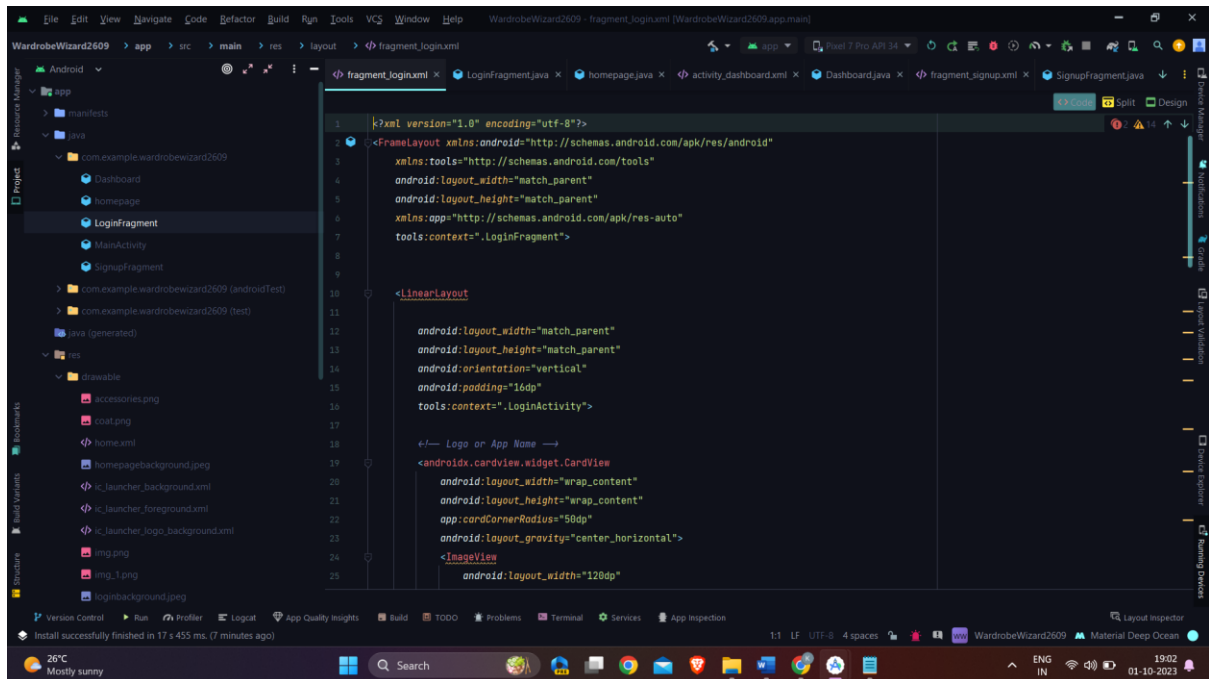
        <!-- Portfolio Modal - Text-->
        <p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing
elit. Mollitia neque assumenda ipsam nihil, molestias magnam, recusandae quos quis inventore
quisquam velit asperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque.
Nam.</p>

        <button class="btn btn-primary" data-bs-dismiss="modal">
            <i class="fas fa-xmark fa-fw"></i>
            Close Window
        </button>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- Bootstrap core JS-->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"></script>
<!-- Core theme JS-->
<script src="js/scripts.js"></script>
<!-- *****-->
<!-- **                SB Forms JS                **-->

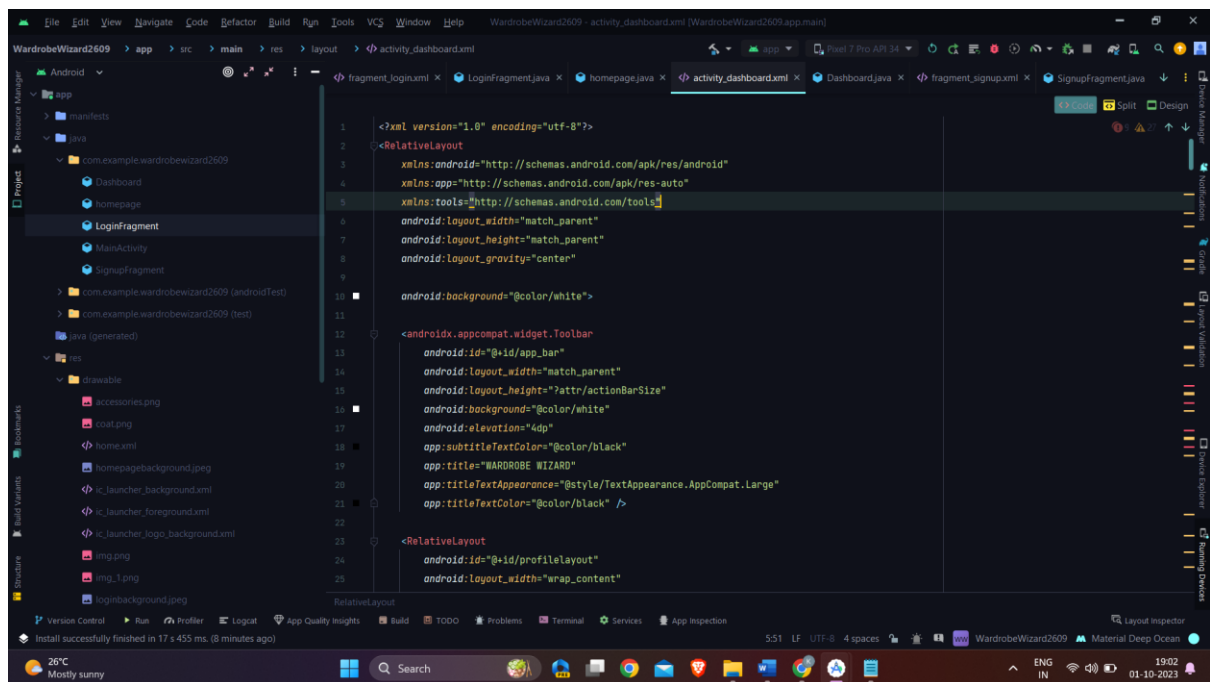
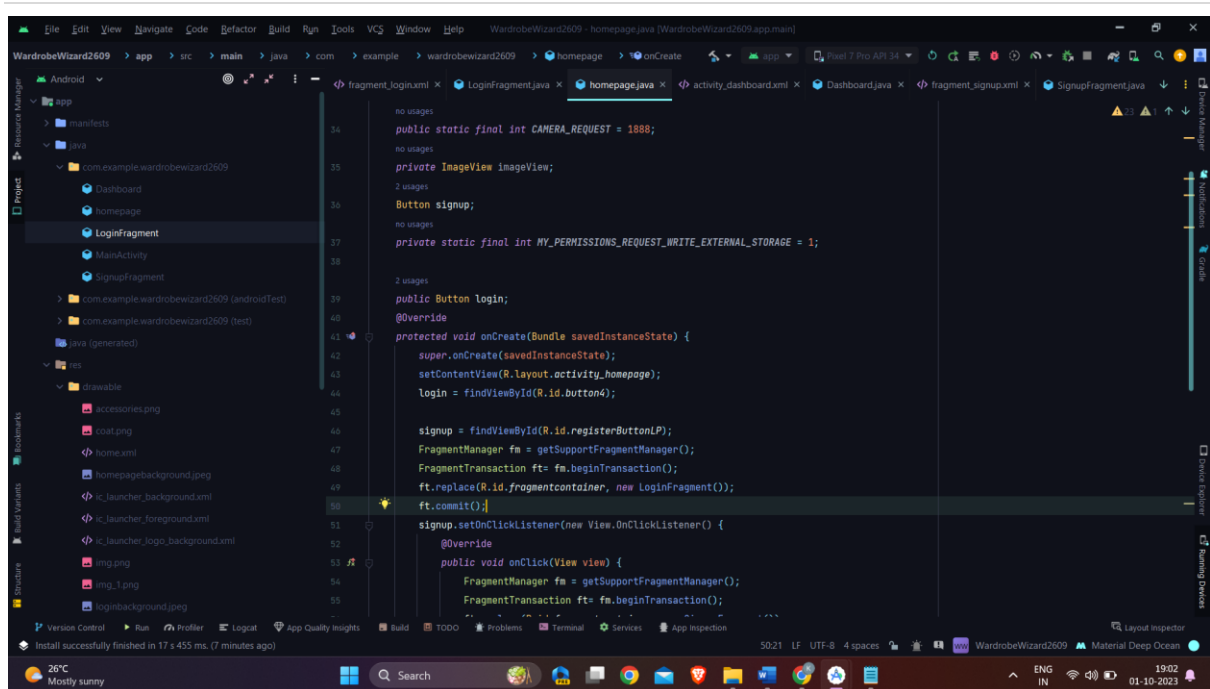
<!-- *****-->
<script src="https://cdn.startbootstrap.com/sb-forms-latest.js"></script>
</body>
</html>

```

## 4.3 CODE SCREEN SHOTS







```
1 window.addEventListener('DOMContentLoaded', event => {
2
3   // Navbar shrink function
4   var navbarShrink = function () {
5     const navbarCollapsible = document.body.querySelector('#mainNav');
6     if (!navbarCollapsible) {
7       return;
8     }
9     if (window.scrollY === 0) {
10      navbarCollapsible.classList.remove('navbar-shrink')
11    } else {
12      navbarCollapsible.classList.add('navbar-shrink')
13    }
14  };
15
16  // Shrink the navbar
17  navbarShrink();
18
19  // Shrink the navbar when page is scrolled
20  document.addEventListener('scroll', navbarShrink);
21
22  // Activate Bootstrap scrollspy on the main nav element
23  const mainNav = document.body.querySelector('#mainNav');
24  if (mainNav) {
25    new bootstrap.ScrollSpy(document.body, {
26      target: '#mainNav',
27      rootMargin: '0px 0px -40%',
28    });
29  };
30
31  // Collapse responsive navbar when toggler is visible
32  const navbarToggler = document.body.querySelector('.navbar-toggler');
33  const responsiveNavItems = [].slice.call(
34    document.querySelectorAll('#navbarResponsive .nav-link')
35  );
36  responsiveNavItems.map(function (responsiveNavItem) {
37    responsiveNavItem.addEventListener('click', () => {
38      if (window.getComputedStyle(navbarToggler).display !== 'none') {
39        navbarToggler.click();
40      }
41    });
42  });
43
44 });
45
46
```

```
1 window.addEventListener('DOMContentLoaded', event => {
2
3   // Navbar shrink function
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5     const navbarCollapsible = document.body.querySelector('#mainNav');
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34    document.querySelectorAll('#navbarResponsive .nav-link')
35  );
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37    responsiveNavItem.addEventListener('click', () => {
38      if (window.getComputedStyle(navbarToggler).display !== 'none') {
39        navbarToggler.click();
40      }
41    });
42  });
43
44  });
45
46 }
```

## 5. TESTING

### 5.1 Test Strategies

Testing strategies includes unit testing, functional testing and integration testing.

#### 5.1.1 Unit Testing

Unit testing forms the foundational level of testing in the Wardrobe Wizard project. This phase involves the examination of individual components and functions to ensure that they perform as intended. Each module within the application is rigorously tested in isolation to identify and rectify any coding errors or logical flaws. Unit testing is vital for maintaining code quality and robustness.

#### 5.1.2 Functional Testing

Functional testing is a crucial phase that focuses on verifying whether the Wardrobe Wizard application meets its functional requirements. During this testing stage, the application's features and functionalities are systematically assessed to confirm that they align with the specified objectives. Test cases are designed to evaluate user interactions, such as adding items to the virtual wardrobe, generating outfit suggestions, and executing sustainable fashion actions.

#### 5.1.3 Integration Testing

Integration testing is a pivotal step in ensuring that different components of the Wardrobe Wizard system work seamlessly together. It evaluates the interactions between various modules and identifies potential integration issues. By simulating real-world scenarios, integration testing ensures that data flows smoothly between components and that the application maintains data integrity.

### 5.2 Test Cases and Reports

This section contains the details of the unit testing, functional testing, integration testing.

#### 5.2.1 Unit Testing

Unit testing is a fundamental aspect of ensuring the reliability and functionality of individual modules in the Wardrobe Wizard application. While an exhaustive list of test cases is essential, here are a few sample unit test reports to provide an overview of the testing process:

---

**Test Case 1: Item Addition**

Objective: To verify the system's ability to add an item to the virtual wardrobe.

Inputs: Item details (photo, attributes)

Expected Output: Successful addition of the item

Actual Output: Confirmed item addition

Result: Pass

**Test Case 2: Outfit Generation**

Objective: To validate the generation of outfits based on user preferences.

Inputs: User preferences (style, weather, occasion)

Expected Output: Suggested outfit combinations

Actual Output: Generated outfit suggestions

Result: Pass

**5.2.2 Functional Testing**

Functional testing assesses the overall functionality and user experience of the Wardrobe Wizard application. Here are a few sample functional test reports:

**Test Case 1: User Registration**

Objective: To confirm that users can successfully register for the application.

Inputs: User registration information (name, email, password)

Expected Output: User registration completion

Actual Output: Successful user registration

Result: Pass

**Test Case 2: Sustainable Fashion Action**

Objective: To ensure that users can perform sustainable fashion actions (e.g., donate clothing).

Inputs: Selecting an item for donation

Expected Output: Confirmation of the donation process

Actual Output: Donation completion

Result: Pass

---

### 5.2.3 Integration Testing

Integration testing evaluates the seamless interaction between different modules of the Wardrobe Wizard application. Here's a sample integration test report:

Test Case: User Login and Outfit Generation

Objective: To test the integration between user login and outfit generation modules.

Inputs: User login credentials, style preferences

Expected Output: Successful login and generation of outfits

Actual Output: User login followed by outfit generation

Result: Pass

These sample test reports illustrate the testing process in the Wardrobe Wizard project. Comprehensive testing involves a more extensive set of test cases, covering various aspects of the application. These reports provide a glimpse into the testing activities undertaken to ensure the application's reliability and user satisfaction.

---

## 6. CONCLUSION

The Wardrobe Wizard project represents a significant leap forward in the realm of wardrobe management, fashion curation, and sustainability. Rooted in the principles of Responsible Consumption and Production as embodied by Sustainable Development Goal 12 (SDG 12), this mobile application sets out to revolutionize the way individuals engage with their clothing and accessories.

### 6.1 Aim and objectives:

The aim of the Wardrobe Wizard project is to empower users to manage their wardrobes efficiently, make creative and sustainable fashion choices, and enhance their overall fashion experience. To achieve this aim, the project's major modules include:

- **Wardrobe Management:** This module allows users to add, edit, and delete clothing items from their virtual wardrobe, complete with attributes and images.
- **Outfit Generation:** The outfit generation module employs advanced algorithms and machine learning techniques to provide users with personalized outfit recommendations based on various factors, including user preferences and contextual information.
- **Sustainability Integration:** In alignment with SDG 12, this module enables users to donate clothing items to NGOs, fostering responsible consumption and contributing to societal well-being.
- **User Feedback and Interaction:** The application incorporates a user feedback system that allows users to rate outfits and clothing items, facilitating continuous improvement in outfit suggestions.

### 6.2 Available Features and Results:

The Wardrobe Wizard application boasts an array of features designed to streamline wardrobe management, enhance fashion creativity, and promote sustainability. Users can effortlessly organize their clothing items, receive tailored outfit suggestions, contribute to social causes through clothing donations, and actively engage with their wardrobe in an environmentally conscious manner.



The results of the project include improved wardrobe organization, reduced fashion-related stress, and a heightened awareness of sustainable fashion practices among users. The outfit generation algorithm has successfully provided users with outfit recommendations that align with their unique styles and preferences, resulting in greater fashion satisfaction.

**Limitations:** While the Wardrobe Wizard project has achieved significant milestones, it is not without limitations. Some limitations include:

- **Initial User Base:** The project's impact is contingent on user adoption, and therefore, the application's success depends on attracting a substantial user base.
- **Data Availability:** Outfit suggestions heavily rely on the availability of user-provided clothing data. Limited data can affect the accuracy of recommendations.
- **External Dependencies:** The integration of external services and APIs for features like weather updates and NGO collaboration is subject to the stability and availability of these services.

### 6.3 Future Scope of the project

**Future Enhancements:** In the future, we envision several enhancements to further enrich the Wardrobe Wizard project:

- **Expanded Wardrobe Insights:** The application can provide users with detailed statistics on their wardrobe usage, helping them make informed decisions about clothing purchases and decluttering.
- **Wider Sustainability Initiatives:** Enhancements may include partnerships with additional NGOs and sustainability-focused organizations, broadening the range of clothing donation options.
- **Community Engagement:** The development of a user community or social platform within the application can foster fashion inspiration, sharing, and collaboration among users.
- **Enhanced Outfit Creation:** The outfit generation algorithm can be fine-tuned with user feedback and integrated with augmented reality (AR) for virtual try-on experiences.
- **Multi-Platform Support:** Expanding the application to web platforms and other mobile operating systems can reach a wider audience.



- 
- In conclusion, the Wardrobe Wizard project marks a significant stride toward responsible fashion consumption, personal style enhancement, and wardrobe management convenience. By embracing sustainability, personalization, and user engagement, the project is poised to positively impact both individuals and the fashion industry at large. As we move forward, we are committed to refining and expanding the application to provide an even more comprehensive and empowering fashion experience for our users. Together, we can redefine fashion for a more sustainable and stylish future.

---

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