

2024 – Lab Exam 02 Report

Student ID	IT22577610
Batch	WD 09.02
Marks	
1. Ideation (2 Marks)	
2. Applying “60-30-10 rule” when deciding the colors. (2 Marks)	
3. Selecting suitable layouts (2 Marks)	
4. Using proper views for the user interface (2 Marks)	
5. Creativity (1 Mark)	
Total: 10 Marks	
Evaluator	

Coffee Shop

Introduction:

We know how delightful it is to have a hot cup of coffee while feeling the cosiness of a friendly environment. For this reason, I created Coffee Shop, a mobile app that will improve and immortalise your coffee shop experiences.

Coffee Shop offers a wide selection of beverages to suit every taste, including rich and powerful espressos, creamy and decadent lattes, and fragrant and calming teas. Our app provides a carefully chosen assortment of coffee delights to suit your mood and cravings, ranging from traditional favourites like cappuccinos, americanos, and macchiatos to innovative creations like cold brews and matcha lattes.

However, Coffee Shop offers more than simply a selection of coffee drinks. Coffee lovers congregate in this lively group to discuss their love of the bean, swap recommendations, and go on tasty experiences. Coffee Shop is your go-to partner for any adventure, whether you're planning a group tasting, going on a solo coffee crawl, or just looking for a comfortable place to relax.

However, Coffee Shop offers more than just a way to order coffee. It's a gathering place for locals who enjoy coffee like you to mingle, make connections, and enjoy the small pleasures of excellent coffee and people. Coffee shops are the ideal setting for social gatherings with friends, catching up on work, or just relaxing with a good book.

Target Audience

- **Busy Professionals:** People with hectic schedules who rely on coffee for a quick energy boost or productivity enhancement. Coffee Shop allows them to conveniently order ahead and pick up their favorite beverages without waiting in long lines.
- **Students:** Students who frequent coffee shops for study sessions, socializing, or simply enjoying a good cup of coffee. Coffee Shop provides them with a platform to discover nearby coffee shops and connect with fellow students who share their interests.
- **Local Business Supporters:** Individuals who prioritize supporting local businesses and promoting community engagement. Coffee Shop enables them to discover and frequent local coffee shops, thereby contributing to the growth and sustainability of their neighborhoods.
- **Socializers:** People who enjoy meeting friends or networking in coffee shop settings. Coffee Shop allows them to organize coffee meetups, discover coffee-themed events, and connect with like-minded individuals who share their love for coffee and community.

problem it solves

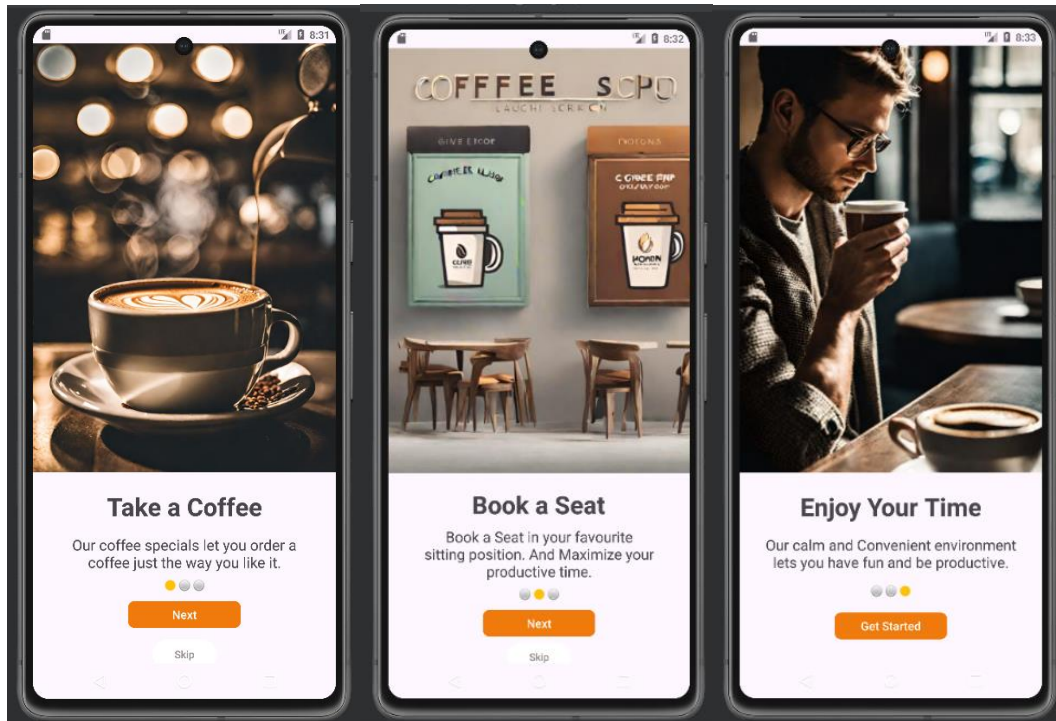
- **Finding Nearby Coffee Shops:** Coffee Shop Buddy helps with the problem of finding nearby coffee shops, which can be difficult, particularly when one is travelling to new places or in unfamiliar areas.
- **Personalised Recommendations:** It helps customers find new coffee shops that suit their tastes by providing personalised recommendations based on user preferences, hence resolving the issue of indecision.
- **Convenience:** By displaying details on the business's hours of operation, menu items, and other amenities (like Wi-Fi or outdoor sitting), the app helps users save time and plan their coffee dates.
- **Community Engagement:** By enabling users to exchange reviews, suggestions, and personal stories with one another, Coffee Shop Buddy promotes a feeling of community among coffee enthusiasts.

core features

- Location-Based Search: By entering a specific address or using their current location, users can find coffee shops in the vicinity.
- Personalised Recommendations: Coffee Shop Buddy makes customised recommendations based on user preferences, including preferred coffee varieties preferred atmosphere.
- Notifications about Events and Promotions: Customers are informed about exclusive events, deals, or promotions taking place in neighbouring coffee shops.
- Bookmarking and Favourites: Users have the option to bookmark their preferred coffee shops for convenient access and to stay informed about upcoming events and new services.
- User profiles: Allow users to keep tabs on their experiences with the app, reviews, and coffee preferences.
- Search Filters: Advanced search filters allow users to narrow down their results by applying criteria like the origin of the coffee beans, brewing techniques.
- QR code Reading: The app has a QR code scanning function that scans product QR code using the phone's camera. By just scanning the QR code on the packaging, customers can easily add new goods to their inventory of ingredients thanks to this functionality. It does away with the necessity for human data entry and saves time.

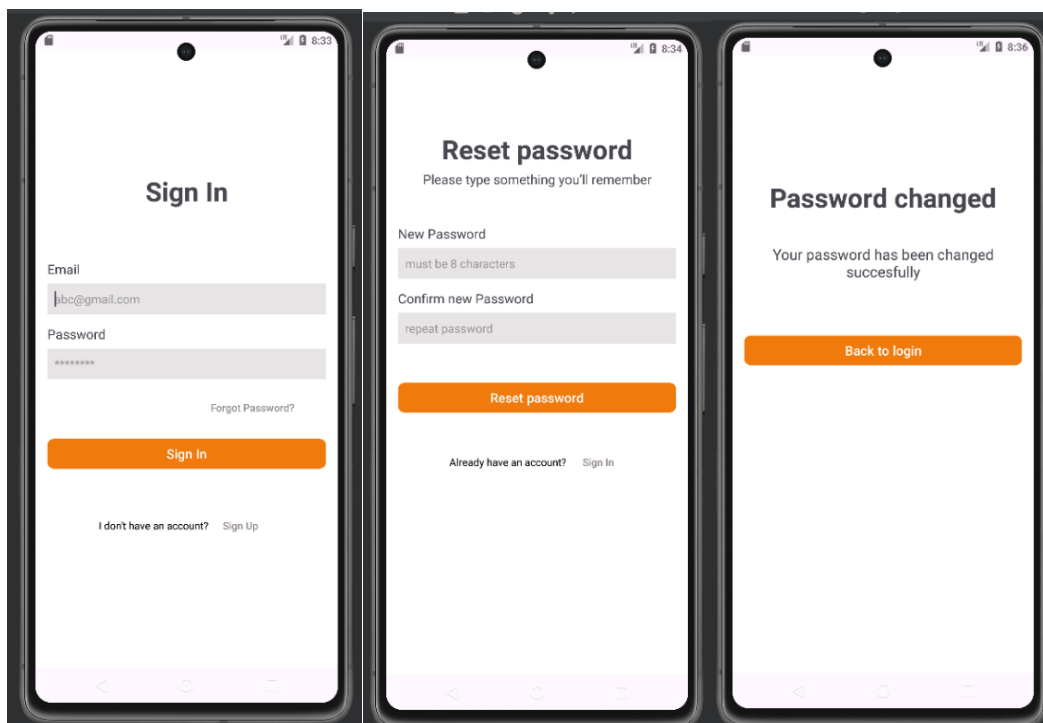
Screenshots:

User Onboarding Screens



Main Interface Design

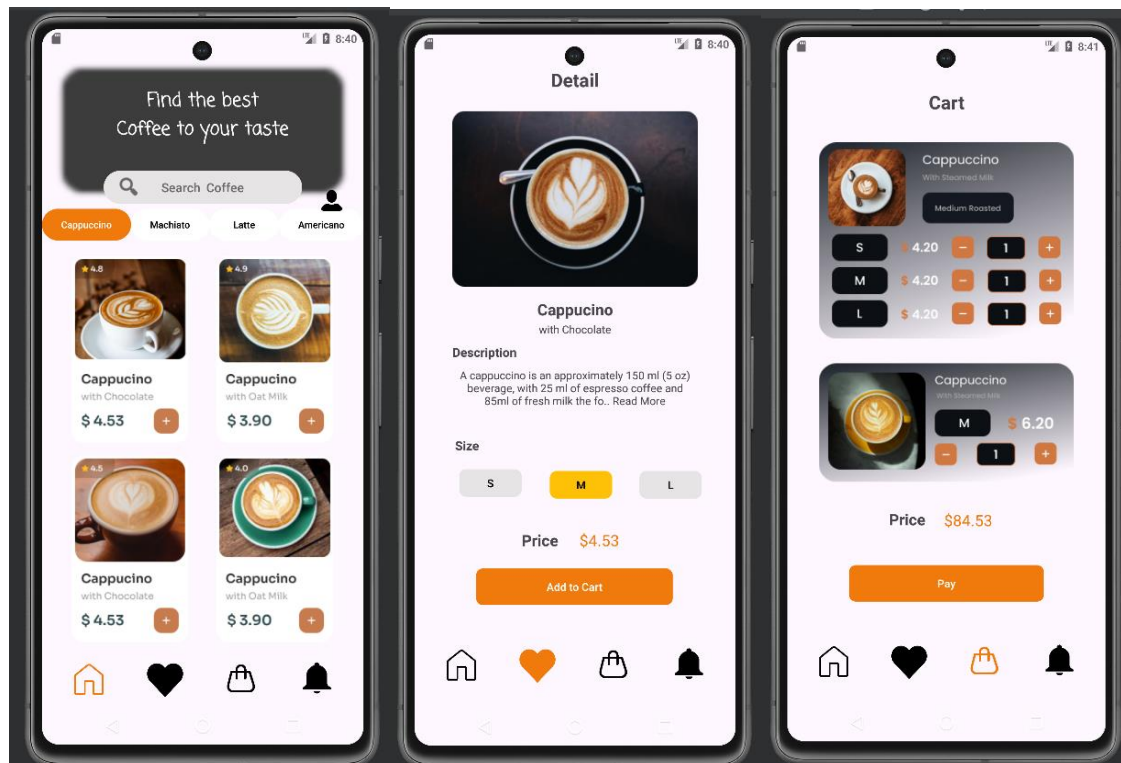
1.Login

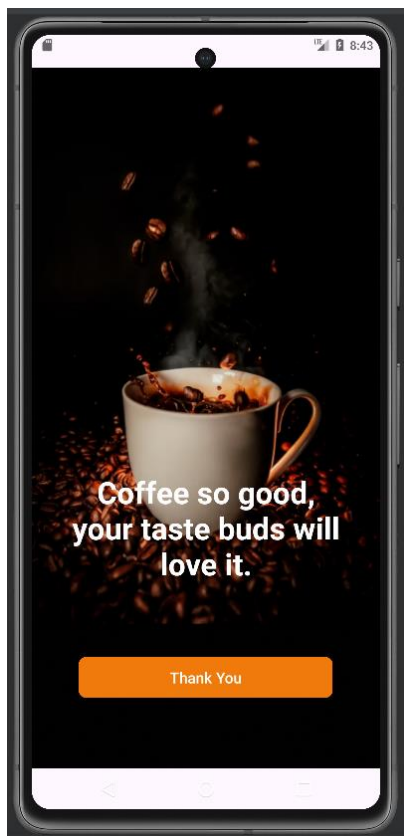
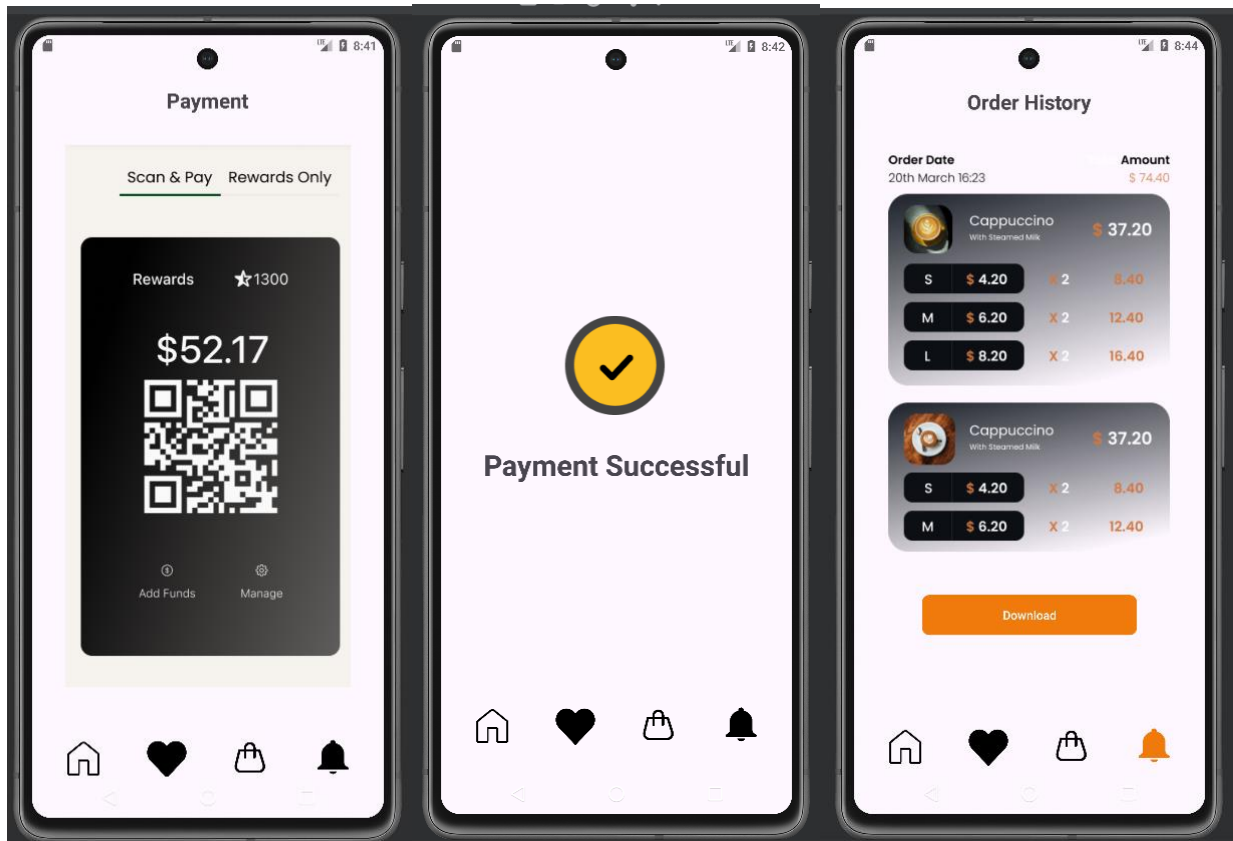


2. Register , Profile

The image shows two mobile app screens side-by-side. The left screen is titled "Sign Up" and contains form fields for "Full Name", "Phone Number", "Email", "Password", and "Confirm Password". Each field has a placeholder text. Below the fields is an orange "Sign Up" button. At the bottom, there is a link "Already have an account? Sign In". The right screen is titled "User Account" and contains the same form fields as the "Sign Up" screen. Below the "Confirm Password" field are two orange buttons: "Update Password" and "Delete Account". At the bottom of the right screen is a navigation bar with four icons: a house, a heart, a shopping bag, and a bell.

Main navigation structure





Content of xml files of Strings and Colors:

Strings

```
<resources>
    <string name="app_name">Coffe Shop</string>
    <string name="description">A cappuccino is an approximately 150 ml (5 oz)
beverage, with 25 ml of espresso coffee and 85ml of fresh milk the fo.. Read
More</string>
    <string name="title_activity_order_history">OrderHistoryActivity</string>
    <string name="user_account">User Account</string>
    <string name="cart">Cart</string>
    <string name="price">Price</string>
    <string name="_84_53">$84.53</string>
    <string name="password_changed">Password changed</string>
    <string name="your_password_has_been_changed_succesfully">Your password
has been changed succesfully</string>
    <string name="back_to_login">Back to login</string>
    <string name="detail">Detail</string>
    <string name="size">Size</string>
    <string name="_4_53">$4.53</string>
    <string name="find_the_best_xa_coffee_to_your_taste">Find the
best\nCoffee to your taste</string>
    <string name="coffee_so_good_your_taste_buds_will_love_it">Coffee so
good, your taste buds will love it.</string>
    <string name="thank_you">Thank You</string>
    <string name="take_a_coffee">Take a Coffee</string>
    <string
name="our_coffee_specials_let_you_order_a_coffee_just_the_way_you_like_it">Ou
r coffee specials let you order a coffee just the way you like it.</string>
    <string name="book_a_seat">Book a Seat</string>
    <string
name="book_a_seat_in_your_favourite_sitting_position_and_maximize_your_produc
tive_time">Book a Seat in your favourite sitting position. And Maximize your
productive time.</string>
    <string name="enjoy_your_time">Enjoy Your Time</string>
    <string
name="our_calm_and_convenient_environment_lets_you_have_fun_and_be_productive
">Our calm and Convenient environment lets you have fun and be
productive.</string>
    <string name="order_history">Order History</string>
    <string name="payment">Payment</string>
    <string name="payment_successful">Payment Successful</string>
    <string name="reset_password">Reset password</string>
    <string name="please_type_something_you_ll_remember">Please type
something you'll remember</string>
    <string name="new_password">New Password</string>
    <string name="must_be_8_characters">must be 8 characters</string>
    <string name="confirm_new_password">Confirm new Password</string>
    <string name="repeat_password">repeat password</string>
    <string name="already_have_an_account">Already have an account?</string>
    <string name="sign_in">Sign In</string>
    <string name="email">Email</string>
    <string name="abc_gmail_com">abc@gmail.com</string>
    <string name="password">Password</string>
    <string name="forgot_password">Forgot Password?</string>
```

```
<string name="i_don_t_have_an_account">I don\'t have an account?</string>
<string name="sign_up">Sign Up</string>
<string name="full_name">Full Name</string>
<string name="phone_number">Phone Number</string>
<string name="_0111_111_111">0111 111 111</string>
<string name="confirm_password">Confirm Password</string>
<!-- Strings used for fragments for navigation -->
<string name="first_fragment_label">First Fragment</string>
<string name="second_fragment_label">Second Fragment</string>
<string name="next">Next</string>
<string name="previous">Previous</string>
</resources>
```

Colors

```
<resources>
  <color name="black">#FF000000</color>
  <color name="white">#FFFFFFFF</color>
  <color name="coffee">#F07A0C</color>
  <color name="gray">#E6E4E4</color>
  <color name="yellow">#FFC107</color>
</resources>
```