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COLLEGE
OF COMPUTER SCIENCE & BUSINESS
MANAGEMENT
VEER NARMAD SOUTH GUJARAT
UNIVERSITY
(VNSGU)
PROJECT REPORT
ON**

FlowShop – The Flower Delivery App

**As Partial Requirement for the
B.C.A 5th Semester
Year: 2022-2023**

SUBMITTED BY:

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GUIDE BY:

Asst.Prof Sweety Patel

Acknowledgement

The reason of completing the project work successfully is not just efforts but efforts by many people. The people, who trusted, guided us and encouraged us.

Guide is the person who provides you direction towards success, so I feel great Pleasure to express my gratitude to our guides and also other faculty as well as every as well as ever person who helped us by giving their valuable suggestions.

I would like to first thanks Prof. Sweety ma'am and Other BCA staff members heart-fully, who granted us to do this project and also provided their advices.

Finally, I wish to express out thanks to all those people who helped us directly or indirectly to complete this work.

*From,
Bhargav Vagadiya*

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1.Introduction

1.1 Project Profile

1.2 About Project

1.3 Requirement Gathering

1.1 Project Profile

PROJECT TITLE	<i>FlowShop – The Flower Delivery App</i>
PROJECT TYPE	<i>Mobile Application</i>
FRONTEND	<i>Flutter</i>
BACKEND	<i>SQLite</i>
OPERATING SYSTEM	<i>Android</i>
INTERNAL GUIDE	<i>Asst.Prof Sweety Patel</i>
DEVELOPED BY	<i>Bhargav Vagadiya</i>

1.2 About Project

✓ **Project Definition**

The Flowshop – The Flower delivery app is a Fresh Flower purchasing app that will help you to choosing a Very Wonderful flower and ordering them with tracking.

This Mobile application is made in the latest and Powerful Google's Framework Flutter. So that the user is feeling safe to use our app without any worry.

✓ **Features**

- Login Screen where Authorized User can view and purchase the flowers
- Registration Screen where New User can Register yourself and then view and purchase the flowers
- Home Screen where user can show new or Best-selling flowers
- A Menu with Greeting User Attached to Home Page that user can navigate to another screen Easily
- A Search facility to user that can search the product easily at Home Screen
- A Profile Screen where user can view or change their data
- A Change Password Screen where user can change their password
- A Product Screen where user can know the product details in depth and also add product into cart and add product to Wishlist
- A Wishlist Screen where user can show their favorite product
- A My Cart Screen where user can view their cart product and change product quantity or remove the cart product or purchase a cart products at a time.
- last but not least, in my order screen, user can view the ordered products anywhere, any time

1.3 Requirement Gathering

1.3.1 Hardware Requirement

PROCESSOR	QualComm Snapdragon 680 or Above Mediatek Helio G33 or Above
RAM	2 GB
INTERNAL STORAGE	16 GB

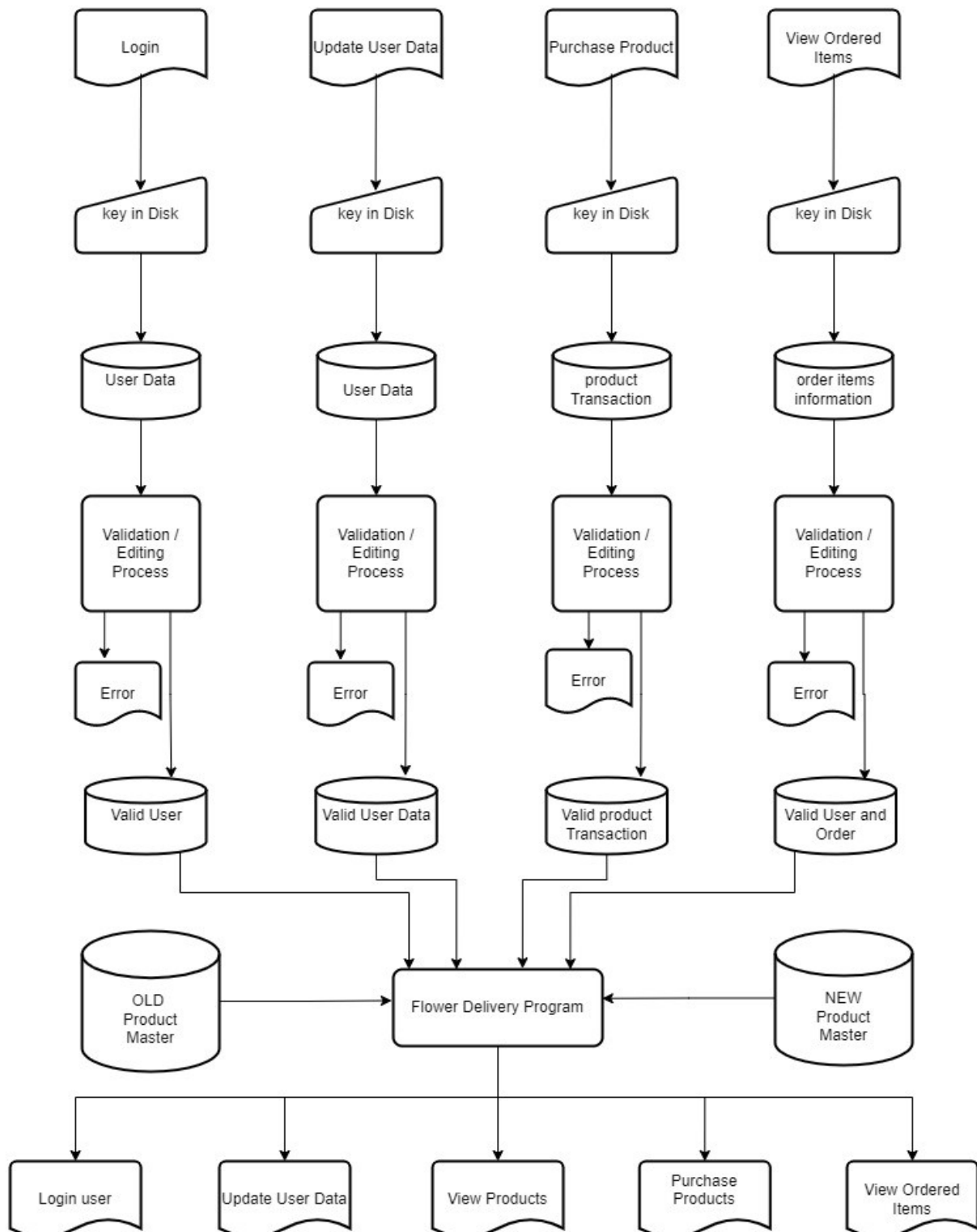
1.3.2 Software Requirement

OPERATING SYSTEM	Android 8 or above
FRONTEND	Flutter
BACKEND	SQLite

2.Objectives

- ✓ The main objective of this app to user can view , purchase and manage the purchased item.
- ✓ It can handle the details of User's for authentication and store user data in SQLite.

3.System Flow Chart

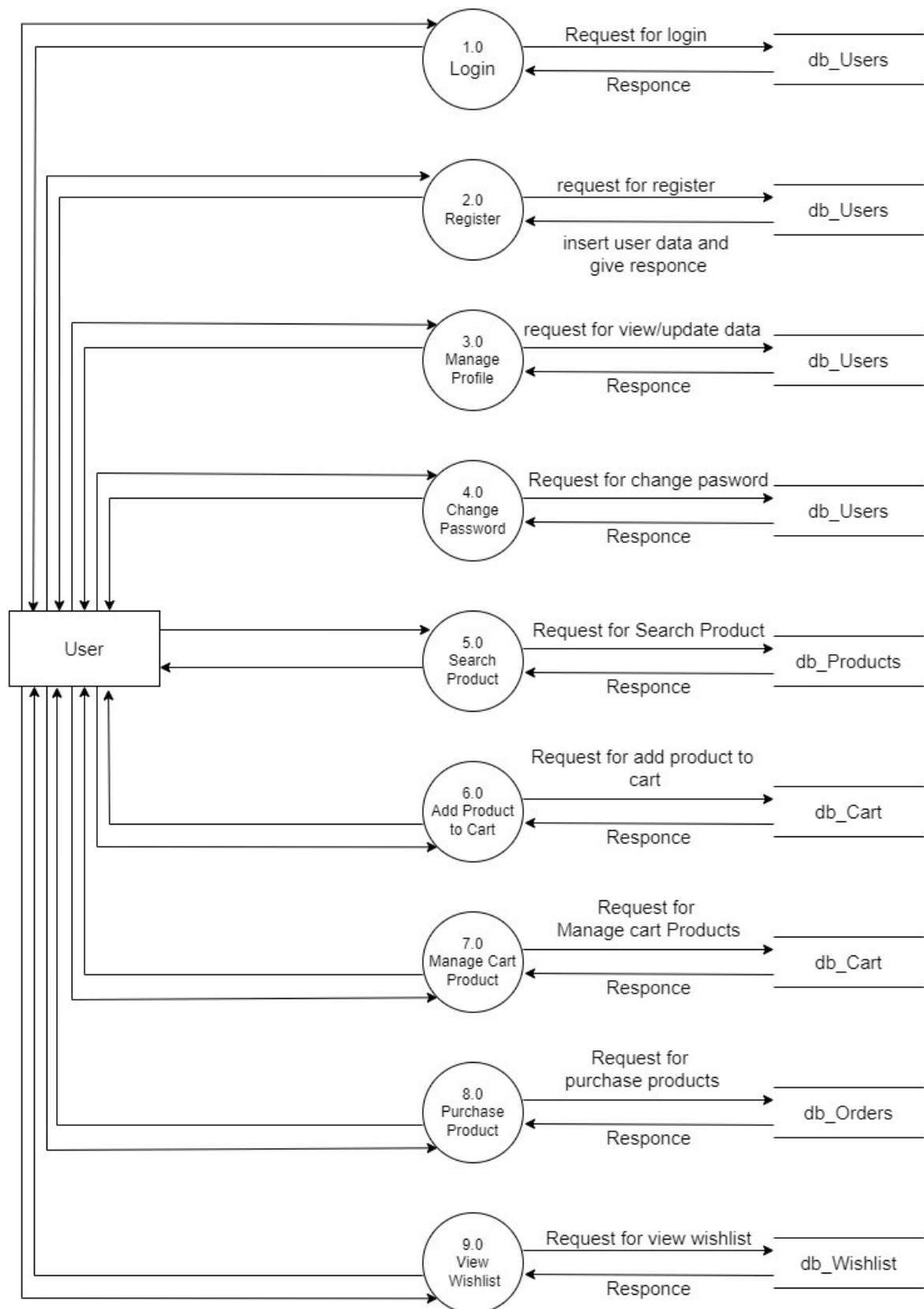


4. Data Flow Diagram (DFD)

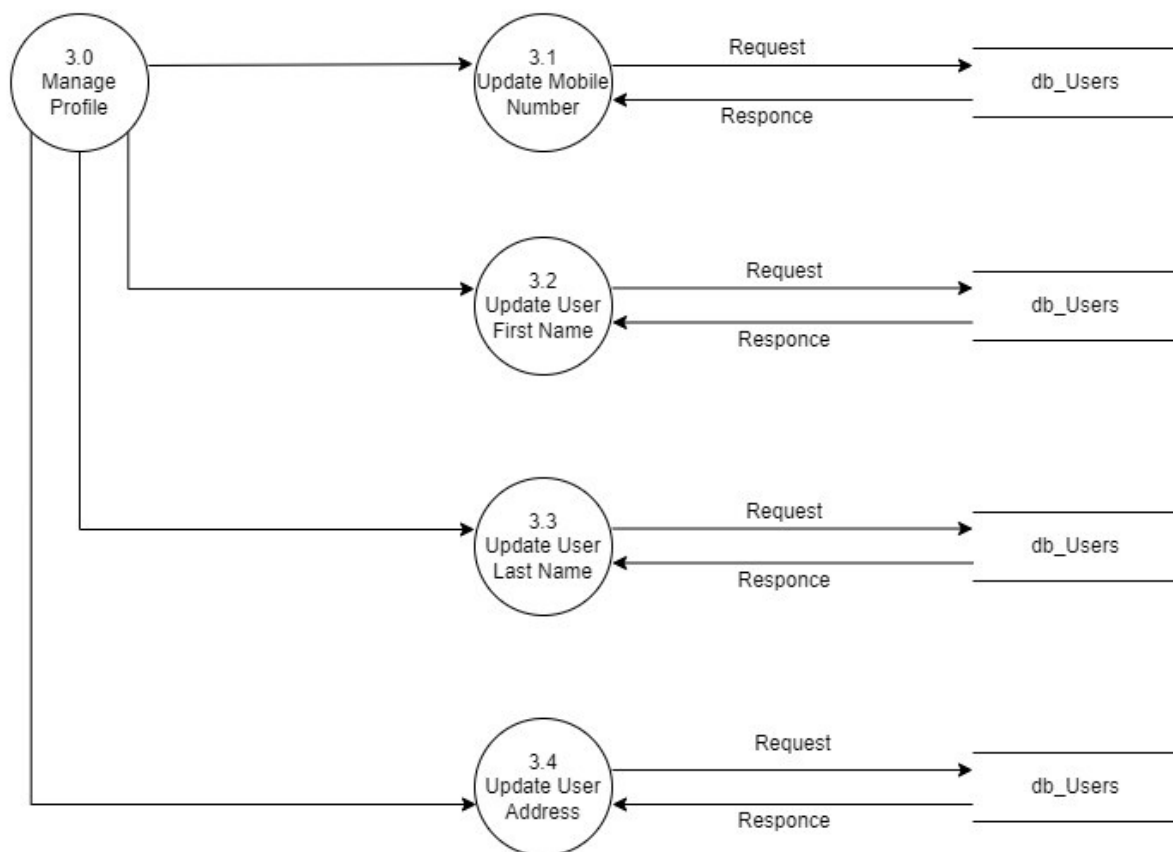
4.1 0-level DFD



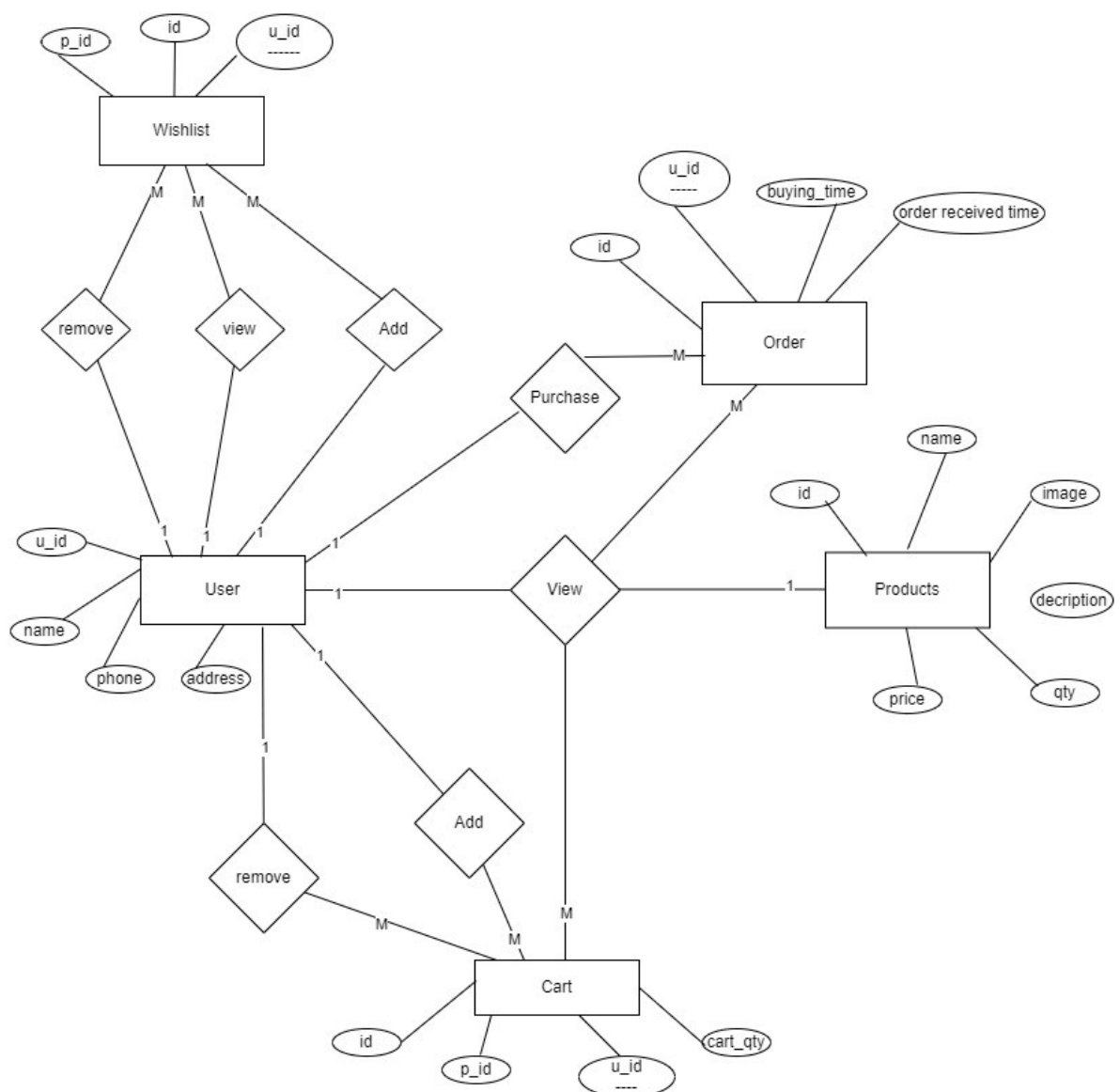
4.2 1st level DFD



4.3 2nd level DFD for Manage User Profile



5. Entity Relationship Diagram



6. Screenshots

Database Design

Tables

Name	Type	Schema
Tables (8)		
Cart		CREATE TABLE Cart(cart_id integer primary key autoincrement, product_id integer, user_id integer, cart_quantity integer, foreign key(product_id) references Product(product_id), foreign key(user_id) refere
OrderedProduct		CREATE TABLE OrderedProduct(product_id integer, quantity text, order_id integer, foreign key(product_id) references Product(product_id), foreign key(order_id) references Orders(order_id))
Orders		CREATE TABLE Orders(order_id integer primary key autoincrement, user_id integer, total_product_price double, shipping_charge double, payment_mode text, buying_time text, order_received_time text, or
Product		CREATE TABLE Product(product_id integer primary key autoincrement, product_name text unique, image_path text, qty int, price double, description text, ratings text)
Users		CREATE TABLE Users(user_id integer primary key autoincrement, first_name text, last_name text, mobile_number text unique, address text, password text)
WishList		CREATE TABLE WishList(wishlist_id integer primary key autoincrement, product_id integer, user_id integer, foreign key(product_id) references Product(product_id), foreign key(user_id) references Users(us
android_metadata		CREATE TABLE android_metadata (locale TEXT)
sqlite_sequence		CREATE TABLE sqlite_sequence(name,seq)
Indices (0)		
Views (0)		
Triggers (0)		

Users Table

Database Structure Browse Data Edit Pragmas Execute SQL						
Table: Users						
user_id	first_name	last_name	mobile_number	address	password	
Filter	Filter	Filter	Filter	Filter	Filter	
1	1	Bhargav	Patel	1234567890	aaa	123

Product Table

Table: Product							
product_id	product_name	image_path	qty	price	description	ratings	
Filter	Filter	Filter	Filter	Filter	Filter	Filter	
1	1 Mixed Bouquet Each	images/products/product2.webp	95	599.0	This tantalizing need no decoration! Celebrate a ...	NULL	
2	2 Passionate Purple Tulips Bouquet	images/products/product1.webp	44	499.0	Pure lovely. Long-stemmed purple tulips are a ...	NULL	
3	3 Decorative Roses With Waxflower	images/products/product3.webp	67	549.0	Just peachy! This soft, feminine bouquet of peac...	NULL	
4	4 Sun Kissed	images/products/product4.webp	37	399.0	Sun Kissed is a sweet bud vase filled with spray ...	NULL	

Cart Table

Table: Cart			
cart_id	product_id	user_id	cart_quantity
Filter	Filter	Filter	Filter

Orders Table

Table: Orders										
order_id	user_id	total_product_price	shipping_charge	payment_mode	buying_time	order_received_time	order_confirm_time	out_of_delivery_time		
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter		
1	1	1	599.0	10.0	Cash	2022-08-17 20:22:21.169010	2022-08-18 17:49:58.166822	2022-08-18 17:49:58.167157	2022-08-18 17:49:58.167474	
2	2	1	1048.0	10.0	Cash	2022-08-17 21:25:14.579583	2022-08-18 17:27:33.220134	2022-08-18 17:28:13.483126	2022-08-18 17:28:13.483482	
3	3	1	2395.0	10.0	Cash	2022-08-18 15:36:16.129651	2022-08-18 17:25:05.721395	2022-08-18 17:26:31.800387	2022-08-18 17:27:00.330931	
4	4	1	1547.0	10.0	Cash	2022-08-18 17:52:18.460757	2022-08-18 17:52:23.533710	2022-08-18 17:52:23.534219	2022-08-18 17:52:23.534506	
5	5	1	499.0	10.0	Cash	2022-08-18 17:56:16.948649	2022-08-18 17:56:22.036867	2022-08-18 17:56:27.049836	2022-08-18 17:56:32.063642	
6	6	1	499.0	10.0	Cash	2022-09-03 15:19:33.643480	2022-09-03 15:19:38.752265	2022-09-03 15:19:43.772718	2022-09-03 15:19:48.792072	
7	7	1	599.0	10.0	Cash	2022-09-09 21:21:36.664914	2022-09-09 21:21:41.746059	2022-09-09 21:21:46.771113	2022-09-09 21:21:52.597793	

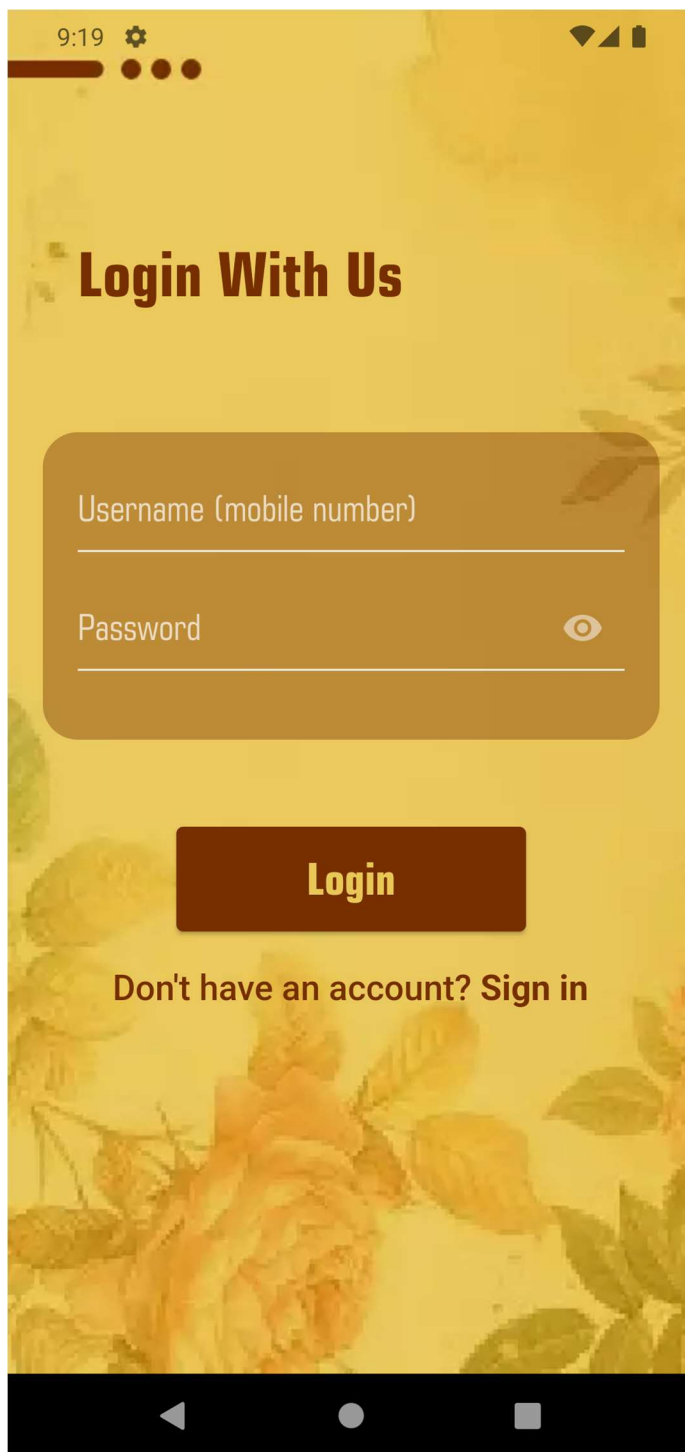
Ordered Product Table

Table: OrderedProduct			
	product_id	quantity	order_id
	Filter	Filter	Filter
1	1	2	1
2	2	2	2
3	3	2	2
4	1	2	3
5	4	3	3
6	3	1	4
7	2	2	4
8	2	1	5
9	2	1	6
10	1	1	7

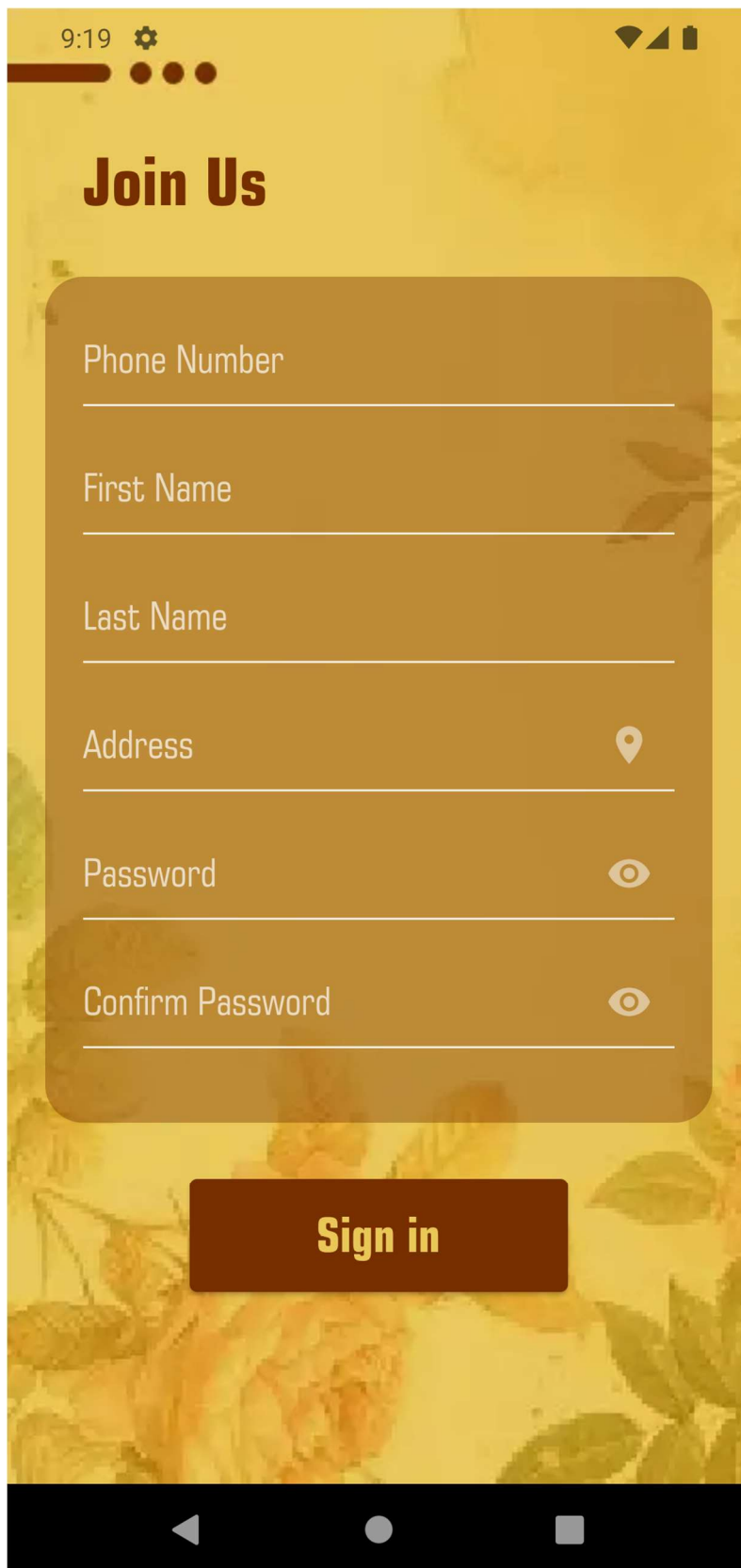
Wishlist Table

Table: WishList			
	wishlist_id	product_id	user_id
	Filter	Filter	Filter
1	6	1	1

Login Screen



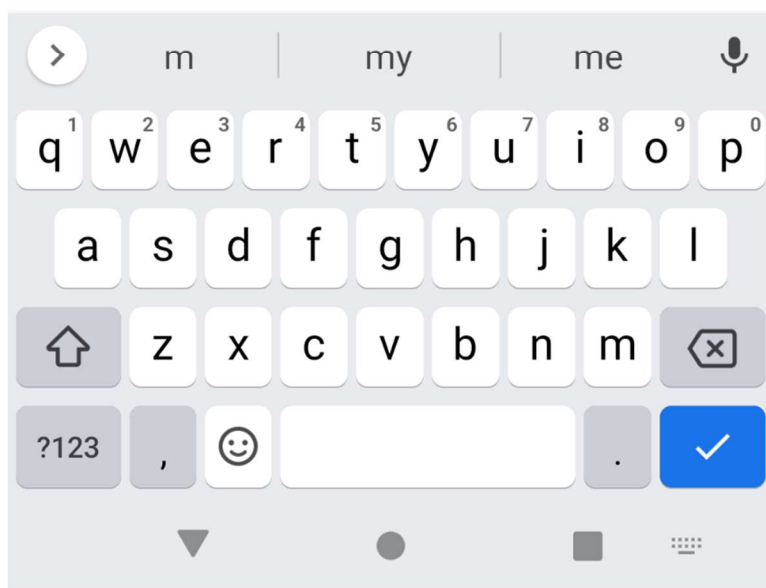
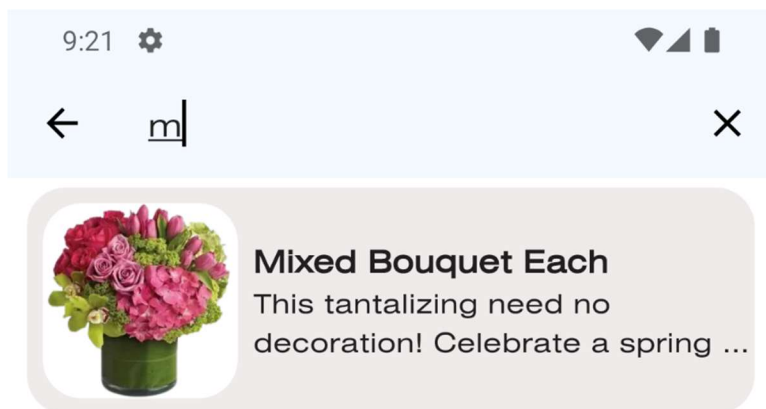
Registration Screen

A mobile app registration screen with a yellow floral background. At the top, the status bar shows the time 9:19, a gear icon, and signal/battery icons. Below the status bar is a dark brown bar with three white dots. The main heading 'Join Us' is in a large, bold, dark brown font. A central white rounded rectangle contains six input fields: 'Phone Number', 'First Name', 'Last Name', 'Address' (with a location pin icon), 'Password' (with an eye icon), and 'Confirm Password' (with an eye icon). At the bottom of this rectangle is a dark brown button with the text 'Sign in' in white. The bottom of the screen features a black navigation bar with three white icons: a back arrow, a circle, and a square.

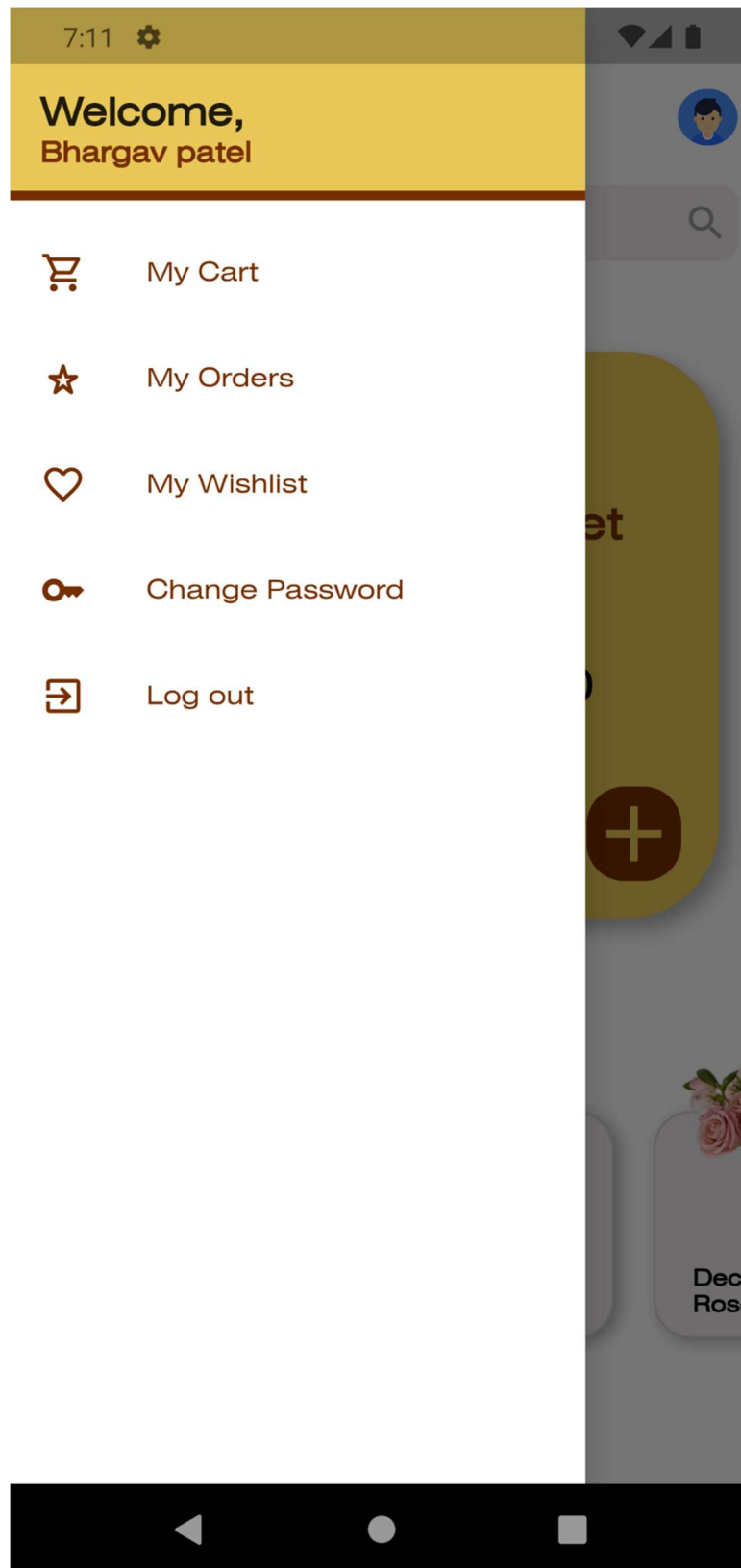
Home Screen



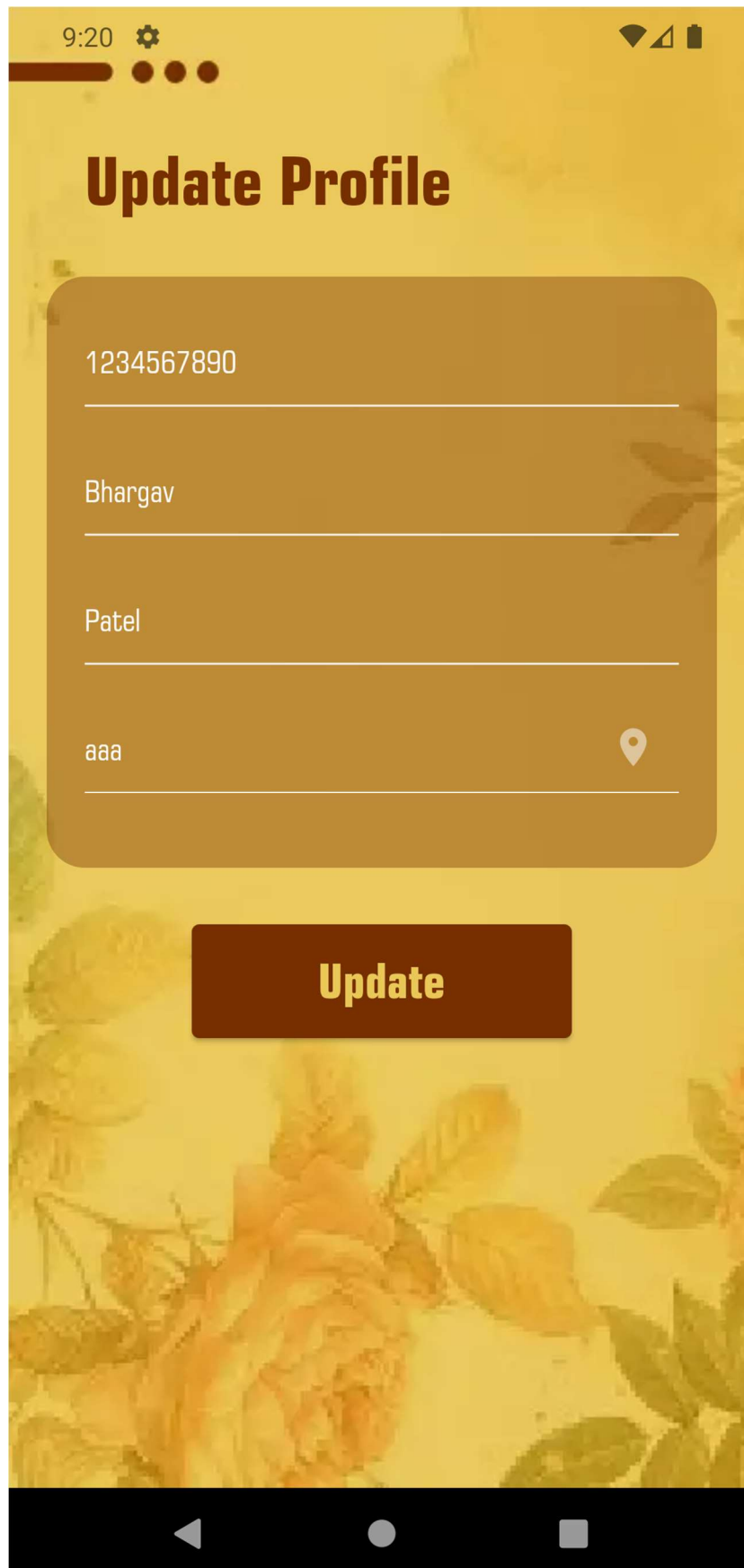
Search Screen



Menu



My Profile

A mobile app interface for updating a profile. The background is a light yellow with a faint floral pattern. At the top, there's a status bar with the time 9:20, a gear icon, and signal/battery icons. Below the status bar is a dark brown bar with three white dots. The main title 'Update Profile' is in a large, bold, dark brown font. Below the title is a rounded rectangular form with a dark brown background. Inside the form, there are four input fields: a phone number field with '1234567890', a first name field with 'Bhargav', a last name field with 'Patel', and an address field with 'aaa' and a location pin icon. Below the form is a large, dark brown button with the word 'Update' in a bold, white font. At the bottom of the screen is a black navigation bar with three white icons: a back arrow, a circle, and a square.

Change Password

9:22

Change Password

Old Password

New Password

Confirm New Password

Change Password

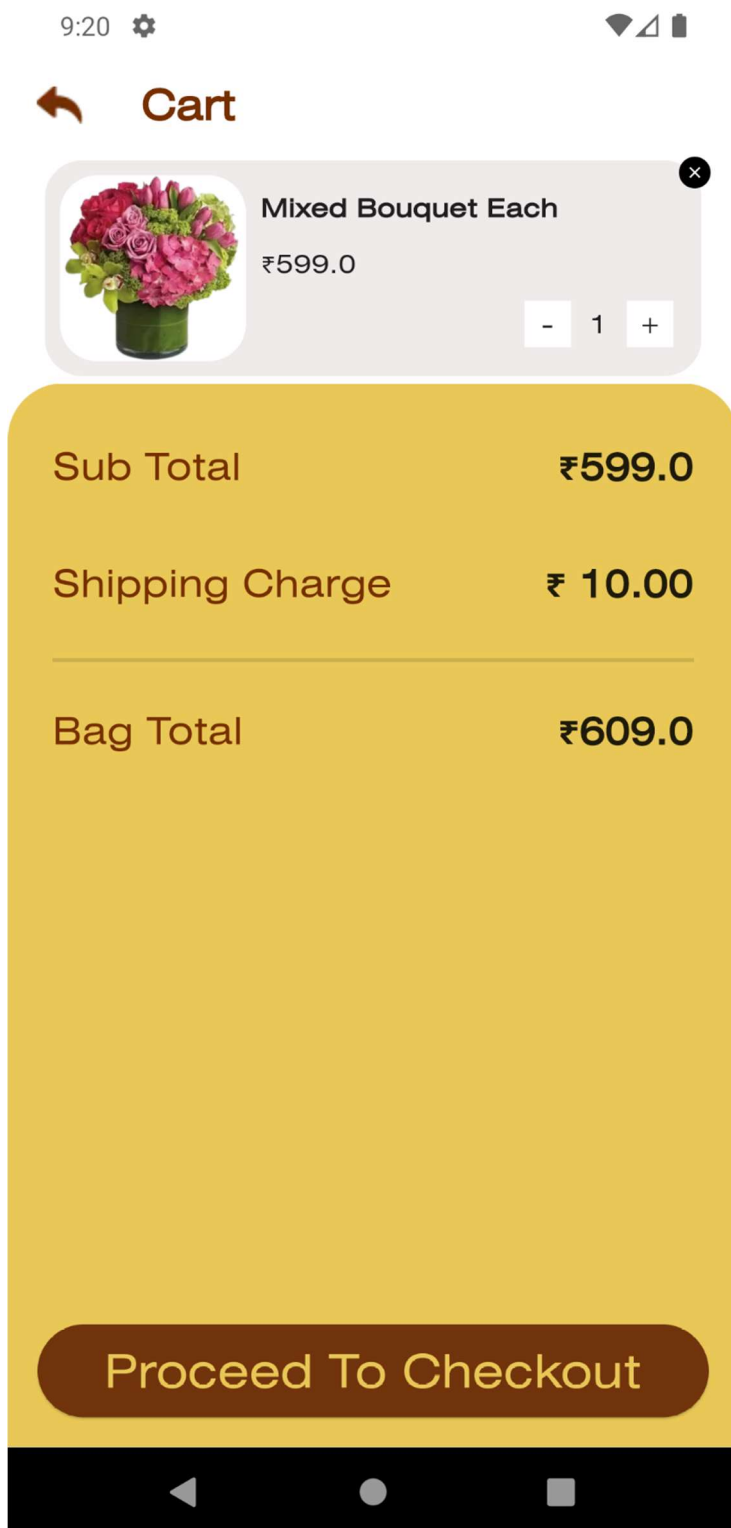
Product Screen



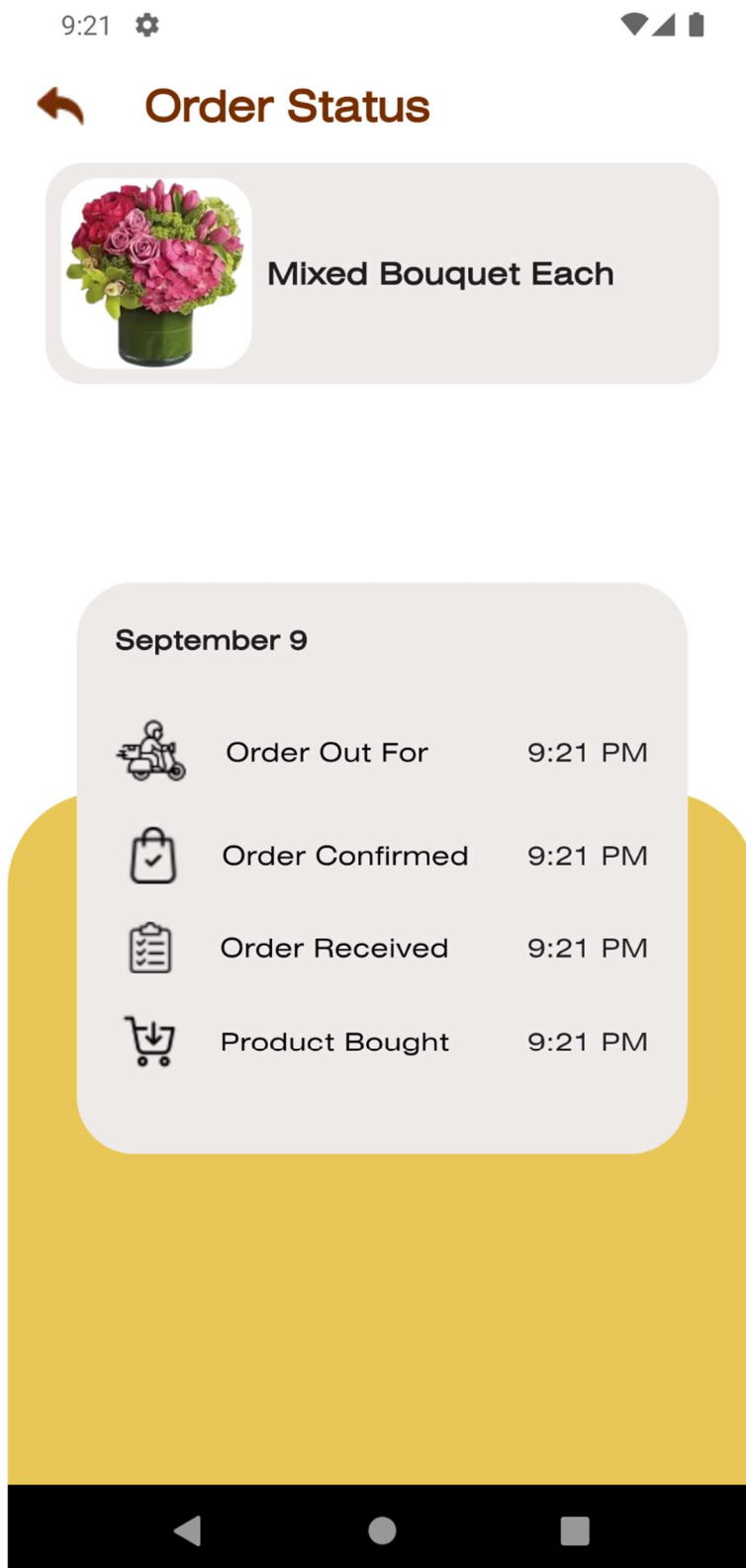
Wishlist Screen



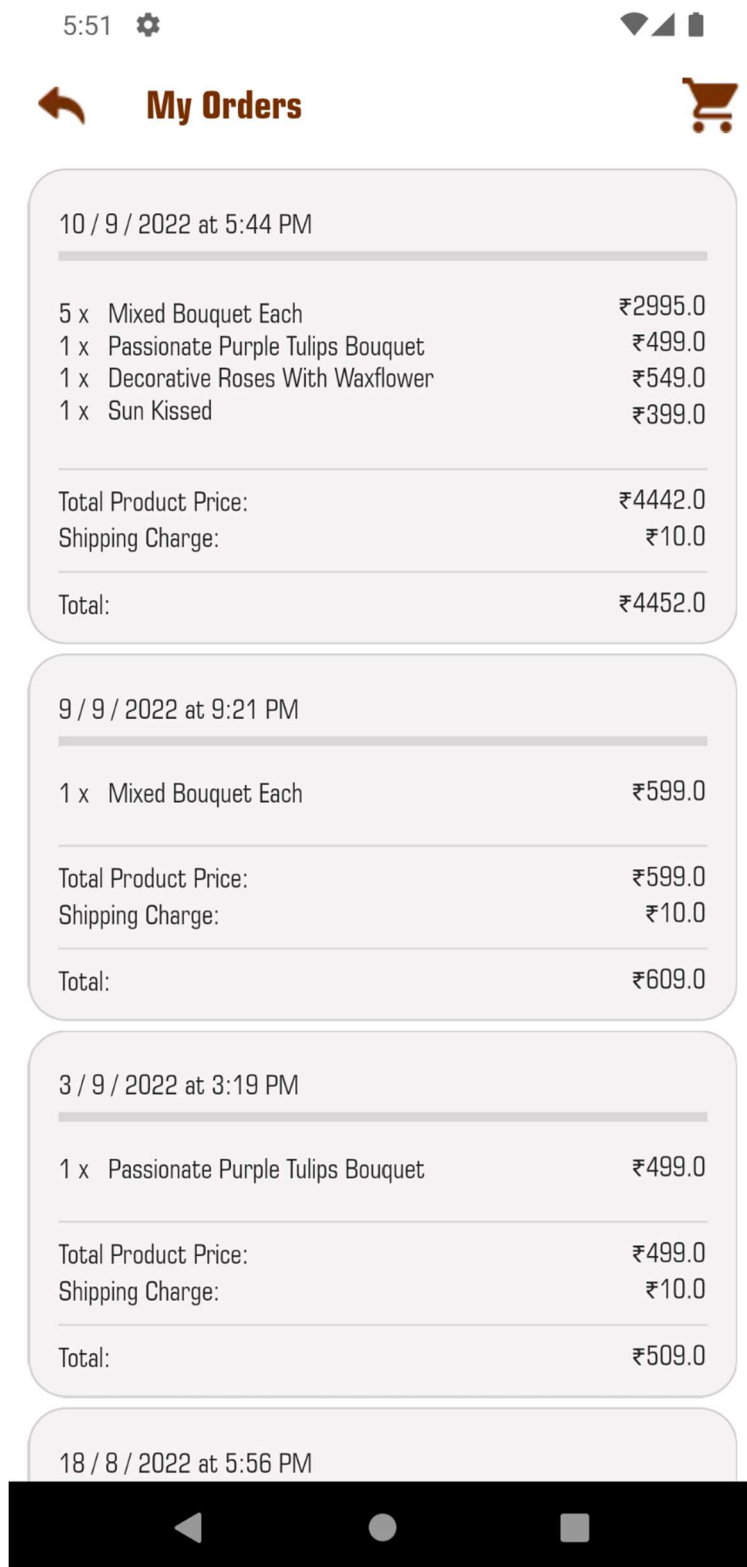
Cart Screen



Order Tracking Screen



My Orders Screen



7. References

- ✓ Flower Product reference: <https://www.teleflora.com/>
- ✓ Coding Reference: 1. <https://stackoverflow.com/questions/tagged/flutter>
2. <https://flutter.dev/>
3. <https://www.youtube.com/>
- ✓ SQLite Package: <https://pub.dev/packages/sqflite>