GLA University, Mathura – 2020-21

Mini-Project 2

Final Report

TEAM DETAILS

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PROJECT TITLE: "**FoodIt**"

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ABSTRACT

The purpose of this research is making a food ordering application based on Android with Tabs, Homescreen, Login/Signup feature, Restaurant screen,Cart screen, Order Confirmation etc. The approach used in this project is to discuss the problem and how to solve it by proper approach. The result of this research is a food ordering application based on Android for customer users. The conclusion of this research is to help customers in making orders easily, to give detailed information needed by customers and minimize the effort applied by the users to order their desired food.

INTRODUCTION

We live in a world where food is loved by everyone and everyone has carvings someday to eat their desired food, and here comes the role of food ordering. This provides the customer with the access to order their food from anywhere and get their food delivered at their desired location, there are many ways to order your food from your desired restaurant like to call or sms and place your order or to go and place your order and then take it out. After that due to heavy demands many restaurants moved their ordering system to online websites.Making orders through phone calling, short messages, or even website does not give order status information in real time to its customer. Moreover, customers can not see their order history which has been done before.

Nowadays, mobile phones are not used for calling or SMS only, many mobile phones also provide applications that support people's daily activities.

Ordering by using an online website such as www.foodpanda.co.id and www.klik-eat.com requires its customer to do registration first by filling in too many profile information. Moreover, not all ordering food websites provide pictures and menus descriptions for its customers. Therefore we are trying to build a food ordering mobile application using react native which will provide the customers with a less complex and simple food ordering app to order food on the go.

Fundamental Design Techniques and Approaches

Creating the tabs for navigation
We will be creating a bottom tab bar for different screens and activities. There will be four tabs-
1. Home - Containing the swiper and restaurants information
2. Search - search page to search the restaurants this is to be developed
3. Cart - contains the details of the food item and the delivery address
4. Profile - Contains login/signup page and after successful login profile screen will be there.

Creating Star Rating for Restaurants
We will be creating a star rating component for the restaurant button to show its rating and information about its address.

Providing navigation to buttons
We will provide this.navigation.navigate() function to the buttons where we want to go to another screen after clicking.

Passing values from one screen to another
We will be passing food items and delivery addresses taken as an input from the user and then display it on the second screen using routes.param() function.

Adding Lottie animations to where needed
We want to add lottie animations to some screens to give it a good look. We will be using react native lottie and lottiefiles.com for this. One lottie will be at the order confirmation screen and so on.

USE CASE DIAGRAM
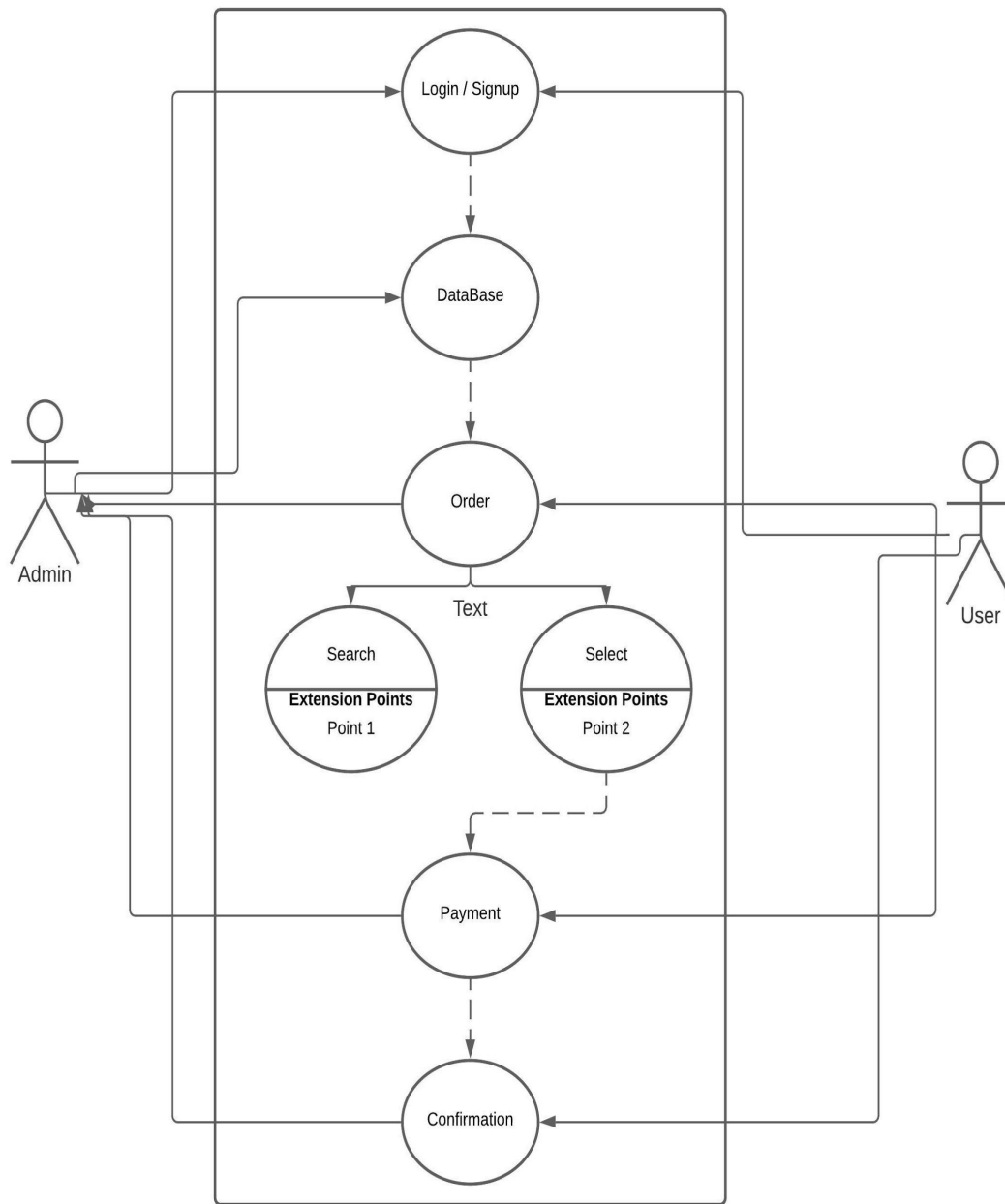
What do we want to create?

We want to create a user side of food ordering mobile application using react native.

Problem Statement

As we all know that everyone likes to eat food outside but some people don't want to go out and order their food all they want is to get their food order at their home just by ordering through their mobile phones. But here comes the problem that sometimes the person can't find the exact contact for the desired food hub or the contact number is busy to receive the order. Our food ordering mobile application FoodIt is designed to overcome those problems by giving choices to the user and directly providing them to place their food orders just by using their mobile devices no contacts or busy numbers will be there anymore.

Proposed Solution

We will develop a mobile application to overcome the problem statement mentioned above so that the users can easily login and place their orders. Therefore FoodIt will be developed to provide the users with a variety of restaurants, dhabas or dishes to choose from and to place the order just by using their mobile phone with the help of our application. The food ordering application sets up a food menu and the customers can easily place the order as per they like. Also, the customers can easily track their orders. The management maintains customer's database, and improves food delivery services.

Literature Review

1. Conventional Paper Based System

Paper based systems are one of the most widely used food ordering systems in the past. In this system customers have to go to the restaurant and the waiter takes orders from the customer and writes down in the paper. In this system each and every type of record is stored on the paper. Then the waiter sends the order to the kitchen for further processing. The main drawback of this system is wastage of time and money.

2. Self-Service Restaurant

To cover the limitation of the manual restaurant system, a self-service restaurant system was introduced. There are a lot of drawbacks of manual systems like wastage of money and time. In the manual system a lot of effort is required for small amounts of change. In the proposed system every customer goes to the restaurant and places an order in the service counter. Customers have to make decisions in advance, and customers either select an item from the catalog which is presented in the form of a poster and place it normally behind the order counter.

3. Mobile Food Ordering System

Mobile food ordering system is a tool which provides food Ordering facilities by installing it in Smartphones. It provides many useful features to the users like map location of the nearest available hotel, detailed menus and the previous look of the order. It also provides the call facility to restaurants. The proposed system consists of two parts, one for admin and second for the customer. The feature which is needed for the customer is profile, order, menu, and courier. The feature which is needed for the admin section is Resto, order, menu and customer. When a customer books and confirms the flight all the related information will be saved in the database. After booking the flight a confirmation message will be shown to the customer and to tell him that your order is placed successfully. The proposed Application was developed using Android Studio software design.

4. Pizza Hut Digital Order system

It's main aim is to provide following features:-
• User friendly food ordering system
• Convenient system that manager easily manages the overall system
• Smart delivery system providing a helping facility to improve the quality of the delivery services customers can simply do registration and place an order for their desired food.

The proposed system consists of two part one web Application computer and also mobile Application. The mobile Application is developed for both android and ios platform. The working procedure is like a customer downloads the app and selects the food item and places an order. Then the order will be sent forward, the manager of the restaurant is able to manage the information details and status of the order. The customer will receive the hot meal or food item for which to place the order. This Application is designed for both the customer and restaurant owners. For the user area they can view and menu and select different types of dishes

Software Requirements Specification

Functional Requirements:

1. Advanced, mobile-first approach (UI and UX): It's necessary to use utilities that collect user metrics: the duration of the interaction with the app, which screens the user visited, when, and how the session was completed, which buttons were pressed, and many more. Moreover, all changes in the interface should be tested on small focus groups, collecting statistics, and process feedback.

2. Order status: Get information about the order status in real-time (accepted, prepared, courier on the way).

3. Quick search by dishes and restaurants: With the ability to access user location to order any meal from the nearest restaurant in a short time.

4.**First-line support:** It's important to don't neglect the value of the support that handles orders, complaints, delivery problems.

Non-Functional Requirements:

1. Application's behavior: Logging everything that happens in the system: incoming and outgoing traffic, algorithm arguments, conditions, and received results. Here can be used a single ID for the series of logs to tie them to the same long-term operation. All this will help to understand the application's behavior and diagnose the problems.

2. Maintain and actualize the documentation: Rules and practices gained in the process that will be very useful for developers and will help to avoid inconsistencies.

Software and Hardware Requirements:

Software requirements: NodeJs, Android Studio or VS Code, Expo Go

Hardware requirements: Ram required- 8GB or above
Processor- core i5 or above

Technology Used:
ReactNative, Firebase, Javascript

Requirements to run the application:
Any mobile device running on android or ios

CODES

App.js

```javascript
import { Text, View } from 'react-native';
import 'react-native-gesture-handler';
import * as React from 'react';
import
 MaterialCommunityIcons
from 'react-native-vector-icons/MaterialCommunityIcons';
import {
  NavigationContainer
} from '@react-navigation/native';
import {
  createStackNavigator
} from '@react-navigation/stack';
import {
  createBottomTabNavigator
} from '@react-navigation/bottom-tabs';
import VectorIcons from 'react-native-vector-icons';

import HomeScreen from './Screens/HomeScreen';
import SurajDhaba from './Screens/SurajDhaba';
import Spicy from './Screens/Spicy';
import Loginpage from "./Screens/Loginpage";
import Signup from "./Screens/Signup";
import Searchpage from './Screens/Searchpage';
import CartPage from './Screens/CartPage';
import OrderConfirmation from './Screens/OrderConfirmation'

const Stack = createStackNavigator();

function Home() {
  return (
    <Stack.Navigator
        initialRouteName="Home"
        screenOptions={{
          headerStyle: { backgroundColor: '#3944BC' },
          headerTintColor: '#fff',
```

```jsx
          headerTitleStyle: { fontWeight: 'bold' }
        }}>
        <Stack.Screen
          name="Home"
          component={HomeScreen}
          options={{ title: 'FoodIt' }}/>
        <Stack.Screen
          name="SurajDhaba"
          component={SurajDhaba}
          options={{ title: 'Suraj Dhaba' }} />
        <Stack.Screen
          name="Spicy"
          component={Spicy}
          options={{ title: 'Spicy Restaurant' }} />
      </Stack.Navigator>
  );
}

function Search() {
  return (
    <Stack.Navigator
        initialRouteName="Search"
        screenOptions={{
          headerStyle: { backgroundColor: '#3944BC' },
          headerTintColor: '#fff',
          headerTitleStyle: { fontWeight: 'bold' }
        }}>
        <Stack.Screen
          name="Search"
          component={Searchpage}
          options={{ title: 'Search' }}/>
      </Stack.Navigator>
  );
}

function Cart() {
  return (
    <Stack.Navigator
        initialRouteName="CartPage"
        screenOptions={{
```

```jsx
          headerStyle: { backgroundColor: '#3944BC' },
          headerTintColor: '#fff',
          headerTitleStyle: { fontWeight: 'bold' }
        }}>
        <Stack.Screen
          name="Cartpage"
          component={CartPage}
          options={{ title: 'Cart' }}/>
        <Stack.Screen
          name="OrderConfirmation"
          component={OrderConfirmation}
          options={{ title: 'Confirmation' }}/>
      </Stack.Navigator>
  );
}

function Profile() {
  return (
    <Stack.Navigator
        initialRouteName="Profile"
        screenOptions={{
          headerStyle: { backgroundColor: '#3944BC' },
          headerTintColor: '#fff',
          headerTitleStyle: { fontWeight: 'bold' }
        }}>
        <Stack.Screen
          name="Login"
          component={Loginpage}
          options={{ title: 'Login' }}/>
        <Stack.Screen
          name="Signup"
          component={Signup}
          options={{ title: 'Signup' }}/>
      </Stack.Navigator>
  );
}

const Tab = createBottomTabNavigator();

function MyTabs() {
```

```jsx
  return (
    <Tab.Navigator
      initialRouteName="Home"
      tabBarOptions={{
        activeTintColor: '#3944BC',
        style: {
          backgroundColor: '#ffffff'
        }
      }}
    >
      <Tab.Screen
        name="Home"
        component={Home}
        options={{
          tabBarLabel: 'Home',
          tabBarIcon: ({ color }) => (
            <MaterialCommunityIcons name="home" color={color} size={26} />
          ),
        }}
      />
      <Tab.Screen
        name="Search"
        component={Search}
        options={{
          tabBarLabel: 'Find',
          tabBarIcon: ({ color }) => (
            <MaterialCommunityIcons name="map-marker" color={color}
size={26} />
          ),
        }}
      />
      <Tab.Screen
        name="Cart"
        component={Cart}
        options={{
          tabBarLabel: 'Cart',
          tabBarIcon: ({ color }) => (
            <MaterialCommunityIcons name="cart" color={color} size={26} />
          ),
        }}
```

```
      />
      <Tab.Screen
        name="Profile"
        component={Profile}
        options={{
          tabBarLabel: 'Profile',
          tabBarIcon: ({ color }) => (
            <MaterialCommunityIcons name="account" color={color} size={26}
/>
          ),
        }}
      />
    </Tab.Navigator>
  );
}

export default function App() {
  return (
    <NavigationContainer>
      <MyTabs />
    </NavigationContainer>
  );
}
```

App.json

```json
{
  "name": "FoodIt",
  "displayName": "FoodIt",
  "expo": {
    "name": "FoodIt",
    "slug": "FoodIt",
    "version": "0.0.1",
    "splash": {
      "image": "./assets/images/Splash.jpg",
      "resizeMode": "contain",
      "backgroundColor": "#ffffff"
    },
    "assetBundlePatterns": [
      "**/*"
    ]
  }
}
```

HomeScreen.js

```javascript
import * as React from 'react';
import {
  TouchableOpacity,
  StyleSheet,
  View,
  Text,
  SafeAreaView,
  ScrollView,
  Image
} from 'react-native';

import StarRating from '../Components/StarRating';
import Swiper from 'react-native-swiper';

const HomeScreen = ({ navigation }) => {
  return (
    <SafeAreaView style={{ flex: 1 }}>
      <ScrollView>
      <View style={styles.sliderContainer}>
        <Swiper
          autoplay
          horizontal={false}
          height={200}
          activeDotColor="#FF6347">
          <View style={styles.slide}>
            <Image
              source={require('../assets/images/banner4.jpg')}
              resizeMode="cover"
              style={styles.sliderImage}
            />
          </View>
          <View style={styles.slide}>
            <Image
              source={require('../assets/images/banner1.jpg')}
              resizeMode="cover"
              style={styles.sliderImage}
            />
          </View>
          <View style={styles.slide}>
```

```jsx
        <Image
          source={require('../assets/images/banner2.jpg')}
          resizeMode="cover"
          style={styles.sliderImage}
        />
      </View>
      <View style={styles.slide}>
        <Image
          source={require('../assets/images/banner3.jpg')}
          resizeMode="cover"
          style={styles.sliderImage}
        />
      </View>
    </Swiper>
  </View>
  <View style={{ flex:1}}>
    <View
      style={{
        flex: 1,
        justifyContent: 'center',
        alignItems: 'center',
      }}>
      <Text
        style={{
          fontSize: 25,
          textAlign: 'center',
          marginBottom: 16
        }}>
        Hungry? FoodIt
      </Text>
    <View>
      <TouchableOpacity
        style={styles.button}
        onPress={
          () => navigation.navigate('SurajDhaba')
        }>
          <View style={styles.cardsWrapper}>
    <View style={styles.card}>
      <View style={styles.cardImgWrapper}>
        <Image
```

```jsx
          source={require('../assets/images/suraj.jpg')}
          resizeMode="cover"
          style={styles.cardImg}
        />
      </View>
      <View style={styles.cardInfo}>
        <Text style={styles.cardTitle}>Suraj Dhaba</Text>
        <StarRating ratings={4} reviews={99} />
        <Text style={styles.cardDetails}>
          Near GLA University main gate Barthiha, Mathura
        </Text>
      </View>
    </View>
  </View>
    </TouchableOpacity>
  </View>
    <TouchableOpacity
      style={styles.button}
      onPress={
        () => navigation.navigate('Spicy')
      }>
        <View style={styles.cardsWrapper}>
  <View style={styles.card}>
    <View style={styles.cardImgWrapper}>
      <Image
        source={require('../assets/images/Spicy.jpg')}
        resizeMode="cover"
        style={styles.cardImg}
      />
    </View>
    <View style={styles.cardInfo}>
      <Text style={styles.cardTitle}>Spicy Restaurant</Text>
      <StarRating ratings={4} reviews={99} />
      <Text style={styles.cardDetails}>
        Near GLA University Polytechnic gate Barthiha, Mathura
      </Text>
    </View>
  </View>
  </View>
    </TouchableOpacity>
```

```
        </View>
      </View>
      </ScrollView>
    </SafeAreaView>
  );
}

const styles = StyleSheet.create({
  button: {
    backgroundColor: '#ffffff',
    padding: 0,
    width: 320,
    height:170,
    marginTop: 16,
    marginBottom:5,
    borderRadius:20
  },
  sliderContainer: {
    height: 200,
    width: '95%',
    marginTop: 10,
    justifyContent: 'center',
    alignSelf: 'center',
    borderRadius: 8,
  },

  wrapper: {},

  slide: {
    flex: 1,
    justifyContent: 'center',
    backgroundColor: 'transparent',
    borderRadius: 8,
  },
  sliderImage: {
    height: '100%',
    width: '100%',
    alignSelf: 'center',
    borderRadius: 8,
  },
```

```
cardsWrapper: {
  marginTop: 20,
  width: '90%',
  alignSelf: 'center',
},
card: {
  height: 130,
  width:280,
  flexDirection: 'row',
  shadowColor: '#999',
  shadowOffset: {width: 0, height: 1},
  shadowOpacity: 0.8,
  shadowRadius: 2,
  elevation: 5,
},
cardImgWrapper: {
  flex: 1,
},
cardImg: {
  height: '100%',
  width: '100%',
  alignSelf: 'center',
  borderRadius: 8,
  borderBottomRightRadius: 0,
  borderTopRightRadius: 0,
},
cardInfo: {
  flex: 2,
  padding: 10,
  borderColor: '#ccc',
  borderWidth: 1,
  borderLeftWidth: 0,
  borderBottomRightRadius: 8,
  borderTopRightRadius: 8,
  backgroundColor: '#fff',
},
cardTitle: {
  fontWeight: 'bold',
},
cardDetails: {
```

```
    fontSize: 12,
    color: '#444',
  },
});
export default HomeScreen;
```

StarRating.js

```javascript
import React from 'react';
import { StyleSheet, View, Text } from 'react-native';

import Ionicons from 'react-native-vector-icons/Ionicons';

const StarRating = (props) => {

    // This array will contain our star tags. We will include this
    // array between the view tag.
    let stars = [];
    // Loop 5 times
    for (var i = 1; i <= 5; i++) {
        // set the path to filled stars
        let name = 'ios-star';
        // If ratings is lower, set the path to unfilled stars
        if (i > props.ratings) {
            name = 'ios-star-outline';
        }

        stars.push((<Ionicons name={name} size={15} style={styles.star}
key={i} />));
    }

    return (
        <View style={ styles.container }>
            { stars }
            <Text style={styles.text}>({props.reviews})</Text>
        </View>
    );

}

export default StarRating;

const styles = StyleSheet.create({
    container: {
        flexDirection: 'row',
        alignItems: 'center'
    },
```

```
    star: {
        color: '#FF8C00'
    },
    text: {
        fontSize: 12,
        marginLeft: 5,
        color: '#444',
    }
});
```

SurajDhaba.js

```javascript
import React, {useState} from 'react';
import {
  SafeAreaView,
  StyleSheet,
  View,
  Text,
  TextInput,
  Button,
  FlatList,Image
} from 'react-native';
import Swiper from 'react-native-swiper';

const DATA = [
  {
    id: '1',
    title: 'Veg Roll',
  },
  {
    id: '2',
    title: 'Egg Roll',
  },
  {
    id: '3',
    title: 'Paneer Roll',
  },
  {
    id: '4',
    title: 'Veg Roll',
    },
    {
    id: '5',
    title: 'Chicken Roll',
    },
    {
    id: '6',
    title: 'Chowmein Roll',
    },
    {
```

```javascript
    id: '7',
    title: 'Alu parantha',
    },
    {
    id: '8',
    title: 'Paneer Parantha',
    },
    {
    id: '9',
    title: 'Gobhi Parantha',
    },
    {
    id: '10',
    title: 'Fried Rice',
    },
    {
    id: '11',
    title: 'Egg curry',
    },
    {
    id: '12',
    title: 'Sada Parantha',
    },
  ];

const SurajPage = ({navigation}) => {
  const [foodName1, setFoodName1] = useState('');

  const Item = ({ title }) => (
  <View style={styles.item}>
    <Text style={styles.title}>{title}</Text>
  </View>
  );
  const renderItem = ({ item }) => (
    <Item title={item.title} />
  );

  return (
    <SafeAreaView style={{flex: 1}}>
      <View style={styles.container}>
```

```jsx
<View style={styles.sliderContainer}>
  <Swiper
    autoplay
    horizontal={true}
    height={150}
    activeDotColor="#FF6347">
    <View style={styles.slide}>
      <Image
        source={require('../assets/images/suraj1.jpg')}
        resizeMode="cover"
        style={styles.sliderImage}
      />
    </View>
    <View style={styles.slide}>
      <Image
        source={require('../assets/images/suraj2.jpg')}
        resizeMode="cover"
        style={styles.sliderImage}
      />
    </View>
    <View style={styles.slide}>
      <Image
        source={require('../assets/images/suraj3.jpg')}
        resizeMode="cover"
        style={styles.sliderImage}
      />
    </View>
    <View style={styles.slide}>
      <Image
        source={require('../assets/images/suraj4.jpg')}
        resizeMode="cover"
        style={styles.sliderImage}
      />
    </View>
  </Swiper>
</View>
  <TextInput
    value={foodName1}
    onChangeText={(foodName1) => setFoodName1(foodName1)}
    placeholder={'Food Item'}
```

```jsx
                style={styles.inputStyle}
            />
    <FlatList
        data={DATA}
        renderItem={renderItem}
        keyExtractor={item => item.id}
        />
        {/* On click of the button we will send the data as a Json
          From here to the Cart Screen using navigation */}
        <Button
          title="Go to Cart"
          onPress={() =>
            navigation.navigate('Cart', {
              paramkey: foodName1,
            })
          }
        />
      </View>
    </SafeAreaView>
  );
};

export default SurajPage;

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    padding: 20,
  },
  heading: {
    fontSize: 25,
    textAlign: 'center',
    marginVertical: 10,
  },
  textStyle: {
    textAlign: 'center',
    fontSize: 16,
    marginVertical: 10,
  },
```

```
  inputStyle: {
    width: '80%',
    height: 44,
    padding: 10,
    marginVertical: 10,
    backgroundColor: '#DBDBD6',
  },
  item: {
    backgroundColor: '#64A1FF',
    padding: 20,
    marginVertical: 8,
    marginHorizontal: 16,
  borderRadius:20
  },
  title: {
    fontSize: 32,
  },
  sliderContainer: {
    height: 150,
    width: '95%',
    marginTop: 10,
    justifyContent: 'center',
    alignSelf: 'center',
    borderRadius: 8,
  },
  slide: {
    flex: 1,
    justifyContent: 'center',
    backgroundColor: 'transparent',
    borderRadius: 8,
  },
  sliderImage: {
    height: '100%',
    width: '100%',
    alignSelf: 'center',
    borderRadius: 8,
  },
});
```

SurajStyles.js

```javascript
import {StatusBar, StyleSheet} from "react-native";

export default StyleSheet.create({
    mainContainer: {
        flex: 1,
        marginTop: StatusBar.currentHeight || 0,
    },
    item: {
        padding: 20,
        marginVertical: 8,
        marginHorizontal: 16,
        flexDirection: "row",
        justifyContent: "center",
        alignItems: "center",
        textAlign: "center",
        textAlignVertical: "center",
    },
    container: {
        flex: 1,
        backgroundColor: "#fff",
        padding: 20,
        paddingTop: 40,
        paddingBottom:40
    },
    col: {
        flex: 1,
        marginBottom: 20,
        flexDirection: "row",
        alignItems: "center",
        textAlign: "left",
        textAlignVertical: "center",
    },
    text: {
        flex: 3,
        marginRight: 20,
    },
    title: {
        marginBottom: 40,
```

```
        fontSize: 30,
    },
    spinner: {
        flex: 1,
        marginRight: 10,
        minWidth: 150,
    },
    simbol: {
        marginLeft: 10,
        marginRight: 10,
        height: "100%",
        justifyContent: "center",
        alignItems: "center",
        textAlign: "center",
        textAlignVertical: "center",
        lineHeight: 50,
    },
});
```

Spicy.js

```javascript
import React, {useState} from 'react';
import {
  SafeAreaView,
  StyleSheet,
  View,
  Text,
  TextInput,
  Button,
  FlatList,Image
} from 'react-native';

const DATA = [
  {
    id: '1',
    title: 'Veg Roll',
  },
  {
    id: '2',
    title: 'Egg Roll',
  },
  {
    id: '3',
    title: 'Paneer Roll',
  },
  {
    id: '4',
    title: 'Veg Roll',
    },
    {
    id: '5',
    title: 'Chicken Roll',
    },
    {
    id: '6',
    title: 'Chowmein Roll',
    },
    {
    id: '7',
```

```
    title: 'Alu parantha',
    },
    {
    id: '8',
    title: 'Paneer Parantha',
    },
    {
    id: '9',
    title: 'Gobhi Parantha',
    },
    {
    id: '10',
    title: 'Fried Rice',
    },
    {
    id: '11',
    title: 'Egg curry',
    },
    {
    id: '12',
    title: 'Sada Parantha',
    },
  ];
  import Swiper from 'react-native-swiper';

const FirstPage = ({navigation}) => {
  const [foodName, setFoodName] = useState('');
  const Item = ({ title }) => (
  <View style={styles.item}>
    <Text style={styles.title}>{title}</Text>
  </View>
  );
  const renderItem = ({ item }) => (
    <Item title={item.title} />
  );

  return (
    <SafeAreaView style={{flex: 1}}>
      <View style={styles.sliderContainer}>
        <Swiper
```

```jsx
          autoplay
          horizontal={true}
          height={150}
          activeDotColor="#FF6347">
          <View style={styles.slide}>
            <Image
              source={require('../assets/images/spicy1.jpg')}
              resizeMode="cover"
              style={styles.sliderImage}
            />
          </View>
          <View style={styles.slide}>
            <Image
              source={require('../assets/images/spicy2.jpg')}
              resizeMode="cover"
              style={styles.sliderImage}
            />
          </View>
          <View style={styles.slide}>
            <Image
              source={require('../assets/images/spicy3.jpg')}
              resizeMode="cover"
              style={styles.sliderImage}
            />
          </View>
          <View style={styles.slide}>
            <Image
              source={require('../assets/images/spicy4.jpg')}
              resizeMode="cover"
              style={styles.sliderImage}
            />
          </View>
        </Swiper>
      </View>
      <View style={styles.container}>
        {/*Input to get the value from the user*/}
        <Text style={styles.welcometext}>Welcome to Spicy
Restaurant</Text>
        <TextInput
          value={foodName}
```

```jsx
                onChangeText={(foodName) => setFoodName(foodName)}
                placeholder={'Food Item'}
                style={styles.inputStyle}
            />
        <FlatList
            data={DATA}
            renderItem={renderItem}
            keyExtractor={item => item.id}
            />
            {/* On click of the button we will send the data as a Json
              From here to the Cart Screen using navigation */}
            <Button
              title="Go to Cart"
              //Button Title
              onPress={() =>
                navigation.navigate('Cart', {
                  paramKey: foodName,
                })
              }
            />
        </View>
    </SafeAreaView>
  );
};

export default FirstPage;

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    padding: 20,
  },
  heading: {
    fontSize: 25,
    textAlign: 'center',
    marginVertical: 10,
  },
  textStyle: {
    textAlign: 'center',
```

```
    fontSize: 16,
    marginVertical: 10,
  },
  inputStyle: {
    width: '80%',
    height: 44,
    padding: 10,
    marginVertical: 10,
    backgroundColor: '#DBDBD6',
    borderRadius:20
  },
  item: {
    backgroundColor: '#64A1FF',
    padding: 20,
    marginVertical: 8,
    marginHorizontal: 16,
    borderRadius:20
  },
  title: {
    fontSize: 30,
  },
  sliderContainer: {
    height: 150,
    width: '95%',
    marginTop: 10,
    justifyContent: 'center',
    alignSelf: 'center',
    borderRadius: 8,
  },

  wrapper: {},

  slide: {
    flex: 1,
    justifyContent: 'center',
    backgroundColor: 'transparent',
    borderRadius: 8,
  },
  sliderImage: {
    height: '100%',
```

```
    width: '100%',
    alignSelf: 'center',
    borderRadius: 8,
  },
  welcometext:{
    fontSize:20
  }
});
```

SpicyStyles.js

```javascript
import {StatusBar, StyleSheet} from "react-native";

export default StyleSheet.create({
    mainContainer: {
        flex: 1,
        marginTop: StatusBar.currentHeight || 0,
    },
    item: {
        padding: 20,
        marginVertical: 8,
        marginHorizontal: 16,
        flexDirection: "row",
        justifyContent: "center",
        alignItems: "center",
        textAlign: "center",
        textAlignVertical: "center",
    },
    container: {
        flex: 1,
        backgroundColor: "#fff",
        padding: 20,
        paddingTop: 40,
    },
    col: {
        flex: 1,
        marginBottom: 20,
        flexDirection: "row",
        alignItems: "center",
        textAlign: "left",
        textAlignVertical: "center",
    },
    text: {
        flex: 3,
        marginRight: 20,
    },
    title: {
        marginBottom: 40,
        fontSize: 30,
```

```
    },
    spinner: {
        flex: 1,
        marginRight: 10,
        minWidth: 150,
    },
    simbol: {
        marginLeft: 10,
        marginRight: 10,
        height: "100%",
        justifyContent: "center",
        alignItems: "center",
        textAlign: "center",
        textAlignVertical: "center",
        lineHeight: 50,
    },
});
```

SearchPage.js

This page is under development

```javascript
import * as React from 'react';
import { View, Text, SafeAreaView } from 'react-native';

const DetailsScreen = () => {
  return (
    <SafeAreaView style={{ flex: 1 }}>
      <View style={{ flex: 1 , padding: 16}}>
        <View
          style={{
            flex: 1,
            alignItems: 'center',
            justifyContent: 'center',
          }}>
          <Text
            style={{
              fontSize: 25,
              textAlign: 'center',
              marginBottom: 16
            }}>
            Search Page
          </Text>
        </View>
      </View>
    </SafeAreaView>
  );
}
export default DetailsScreen;
```

CartPage.js

```javascript
import React, {useState} from 'react';
import {
  SafeAreaView,
  StyleSheet,
  View,
  Text,
  TextInput,
  Button,
} from 'react-native';

const CartPage = ({navigation}) => {
  const [placeName, setPlaceName] = useState('');

  return (
    <SafeAreaView style={{flex: 1}}>
      <Text style={styles.textStyle}>
          Your Order Items Here
        </Text>
      <View style={styles.container}>
        <TextInput
          value={placeName}
          onChangeText={(placeName) => setPlaceName(placeName)}
          placeholder={'Delivery Place'}
          style={styles.inputStyle}
        />
        {/* On click of the button we will send the data as a Json
          From here to the Second Screen using navigation */}
        <Button
          title="Checkout"
          //Button Title
          onPress={() =>
            navigation.navigate('OrderConfirmation', {
              paramKey: placeName,
            })
          }
        />
      </View>
    </SafeAreaView>
```

```
  );
};

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    padding: 20,
  },
  heading: {
    fontSize: 25,
    textAlign: 'center',
    marginVertical: 10,
  },
  textStyle: {
    textAlign: 'center',
    fontSize: 20,
    marginVertical: 10,
  },
  inputStyle: {
    width: '80%',
    height: 44,
    padding: 10,
    marginVertical: 10,
    backgroundColor: '#DBDBD6',
  },
});

export default CartPage;
```

OrderConfirmation.js

```javascript
import React from 'react';
import {SafeAreaView, StyleSheet, View, Text} from 'react-native';
import LottieView from 'lottie-react-native';

const SecondPage = ({route}) => {
  return (
    <SafeAreaView style={{flex: 1}}>
      <View style={styles.container}>
      <LottieView
            key='animation'
            autoPlay
            resizeMode='cover'
            source={require('../assets/cart-checkout.json')}
            style={{height:300,marginLeft:0}}
        />
        <Text style={styles.placed}>Your order is placed</Text>
        <Text style={styles.textStyle}>
          Your Order will be delivered at {'\n'} {route.params.paramKey}
        </Text>
      </View>
    </SafeAreaView>
  );
};

export default SecondPage;

const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    padding: 20,
  },
  heading: {
    fontSize: 25,
    textAlign: 'center',
    marginVertical: 10,
  },
  textStyle: {
```

```
    textAlign: 'center',
    fontSize: 20,
    marginVertical: 10,
  },
  placed:{
    fontSize:20,
  }
});
```

Login.js

```javascript
import * as React from 'react';
import {SafeAreaView, View,TouchableOpacity, Text, Image, ScrollView,
TextInput, Header, Button, ImageBackground } from 'react-native';

const App = ({navigation}) => {
  return (
    <SafeAreaView style={{ flex: 1 }}>
    <ScrollView>
      <View>
        <Image
          source={{
            uri:
'https://pbs.twimg.com/profile_images/530381904235610113/CVDbqftg_400x400.
png',
          }}
          style={{ marginTop:20, marginLeft:30, width: 300, height: 150,
borderTopRightRadius:30,borderBottomLeftRadius:30}}
        />
      </View>
      <TextInput
        style={{
          height: 45,
          width:280,
          borderColor: 'black',
          borderWidth: 2,
          marginLeft: 30,
          marginTop: 70,
          padding: 10,
          borderRadius:20
        }}
        placeholder= "  Loginid"
      />

      <TextInput
        style={{
          height: 45,
          width:280,
          borderColor: 'black',
          borderWidth: 2,
```

```
      marginLeft: 30,
      marginTop: 30,
      padding:10,
      borderRadius:20
  }}
  placeholder= "  Password"
/>
<View>
<TouchableOpacity
      style={{alignItems: 'center',
      justifyContent:'center',
      backgroundColor: '#DDDDDD',
      padding: 10,
      width: 280,
      marginTop: 20,
      marginLeft:30,
      borderRadius:20,
    }}
      onPress={
        () => navigation.navigate('Profile')
      }>
      <Text>Login</Text>
    </TouchableOpacity>
</View>
<View style={{justifyContent:'center'}}>
<TouchableOpacity
      style={{alignItems: 'center',
      justifyContent:'center',
      backgroundColor: '#DDDDDD',
      padding: 10,
      width: 280,
      marginTop: 16,
      marginLeft:30 ,
      borderRadius:20
    }}
      onPress={
        () => navigation.navigate('Signup')
      }>
      <Text>Signup</Text>
    </TouchableOpacity>
```

```
        </View>
      </ScrollView>
      </SafeAreaView>
  );
}


export default App;
```

Signup.js

```js
import React from 'react';
import { View, Text,TouchableOpacity, Image, ScrollView, TextInput,
StatusBar, Header, Button, ImageBackground } from 'react-native';

const App = ({navigation}) => {
  return (
    <ScrollView>
      <View>
        <Image
          source={{
            uri:
'https://pbs.twimg.com/profile_images/530381904235610113/CVDbqftg_400x400.
png',
          }}
          style={{ marginTop:20, marginLeft:30, width: 300, height:
150,borderTopRightRadius:30,borderBottomLeftRadius:30}}
        />
      </View>
      <TextInput
        style={{
          height: 45,
          width:280,
          borderColor: 'black',
          borderWidth: 2,
          marginLeft: 30,
          marginTop: 50,
          padding: 10,
          borderRadius:20
        }}
        placeholder= "  Username/Id"
      />

      <TextInput
        style={{
          height: 45,
          width:280,
          borderColor: 'black',
          borderWidth: 2,
          marginLeft: 30,
```

```
      marginTop: 20,
      padding:10,
      borderRadius:20
    }}
    placeholder= "  Email"
/>

<TextInput
    style={{
      height: 45,
      width:280,
      borderColor: 'black',
      borderWidth: 2,
      marginLeft: 30,
      marginTop: 20,
      padding:10,
      borderRadius:20
    }}
    placeholder= "  Password"
/>
<TextInput
    style={{
      height: 45,
      width:280,
      borderColor: 'black',
      borderWidth: 2,
      marginLeft: 30,
      marginTop: 20,
      padding:10,
      borderRadius:20
    }}
    placeholder= "  Mobile No."
/>
<View>
<TouchableOpacity
      style={{alignItems: 'center',
      backgroundColor: '#DDDDDD',
      padding: 10,
      width: 280,
      marginTop: 20,
```

```
            marginLeft:30,
            borderRadius:20
          }}
            onPress={
              () => navigation.navigate('Profile')
            }>
            <Text>SignUp</Text>
          </TouchableOpacity>
      </View>
      <View>
      <TouchableOpacity
            style={{alignItems: 'center',
            backgroundColor: '#DDDDDD',
            padding: 10,
            width: 280,
            marginTop: 20,
            marginLeft:30,
            borderRadius:20
          }}
            onPress={
              () => navigation.navigate('Login')
            }>
            <Text>Back to login</Text>
          </TouchableOpacity>
      </View>
    </ScrollView>
  );
}

export default App;
```

ProfileScreen.js

```javascript
import React from 'react';
import {SafeAreaView, StyleSheet, View, Text,Image,Button} from
'react-native';
import LottieView from 'lottie-react-native';

const SecondPage = ({navigation,route}) => {

  return (
    <SafeAreaView style={{flex: 1}}>
      <LottieView
           key='animation'
           autoPlay
           resizeMode='cover'
           source={require('../assets/Watermelon.json')}
           style={{height:350,marginLeft:0,marginTop:0}}
        />
      <View style={styles.container}>
        <View style={{ flex: 0, alignItems: 'center', justifyContent:
'center' }}>
        <Image
          source={require('../assets/images/user2.png')}
          style={{ marginTop:0, width: 120, height: 120,
borderTopRightRadius:30,borderBottomLeftRadius:30}}
        />
        <View style={{flex:0}}>
        <Button
        title="Edit Profile"
        onPress={() => navigation.navigate('Edit')}
        />
        </View>
        <Text style={{ margin: 10 }}>Hello {route.params?.post}</Text>
        </View>
      </View>
    </SafeAreaView>
  );
};

export default SecondPage;
```

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    alignItems: 'center',
    padding: 5,
  },
  heading: {
    fontSize: 25,
    textAlign: 'center',
    marginVertical: 10,
  },
  textStyle: {
    textAlign: 'center',
    fontSize: 20,
    marginVertical: 10,
  },
});
```

EditProfileScreen.js

```javascript
import * as React from 'react';
import { View, Text, SafeAreaView,Button,TextInput,TouchableOpacity,Image}
from 'react-native';

const EditScreen = (navigation, route) => {
    const [postText, setPostText] = React.useState('');
  return (
    <SafeAreaView style={{ flex: 1 }}>
      <View style={{ flex: 1 , padding: 16,alignItems:'center'}}>
      <Image
          source={require('../assets/images/user2.png')}
          style={{ marginTop:20, width: 120, height: 120,
borderTopRightRadius:30,borderBottomLeftRadius:30}}
        />
        <View
          style={{
            flex: 1,
            alignItems: 'center',
            justifyContent: 'center',
          }}>
          <TextInput
        multiline
        placeholder="Name"
        style={{ height: 40, width:250, padding: 10, backgroundColor:
'white',marginBottom:15 }}
        value={postText}
        onChangeText={setPostText}
        />
          <TextInput
        multiline
        placeholder="Mobile Number"
        style={{ height: 40, width:250, padding: 10, backgroundColor:
'white' }}
        value={postText}
        onChangeText={setPostText}
          />
      <View>
      <TouchableOpacity
```

```
            style={{alignItems: 'center',
            justifyContent:'center',
            backgroundColor: '#DDDDDD',
            padding: 10,
            width: 280,
            marginTop: 20,
            marginLeft:0,
            borderRadius:20,
          }}>
            <Text>Done</Text>
          </TouchableOpacity>
          </View>
        </View>
      </SafeAreaView>
  );
}
export default EditScreen;
```
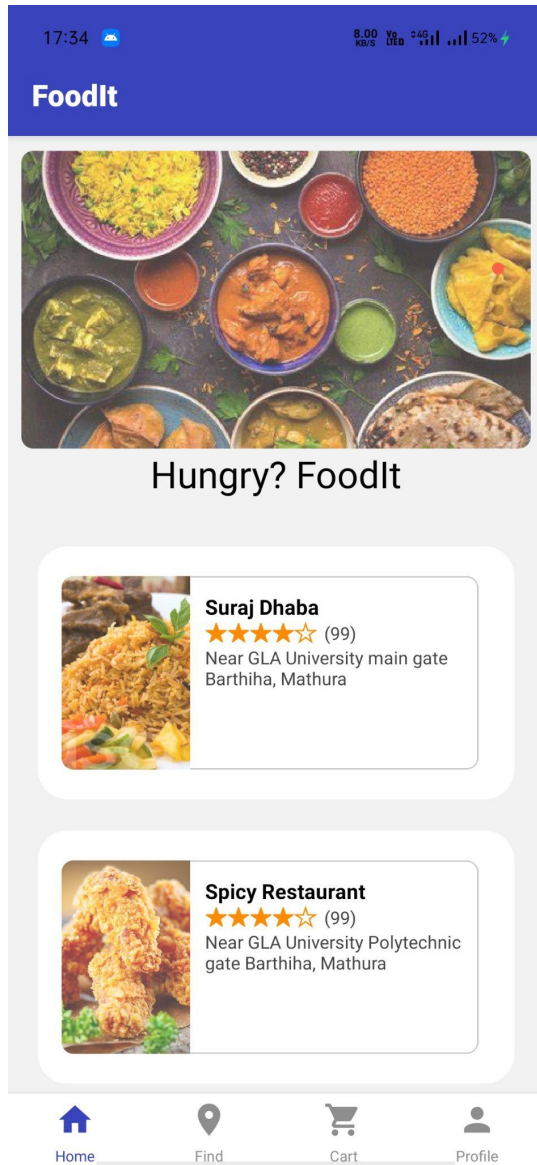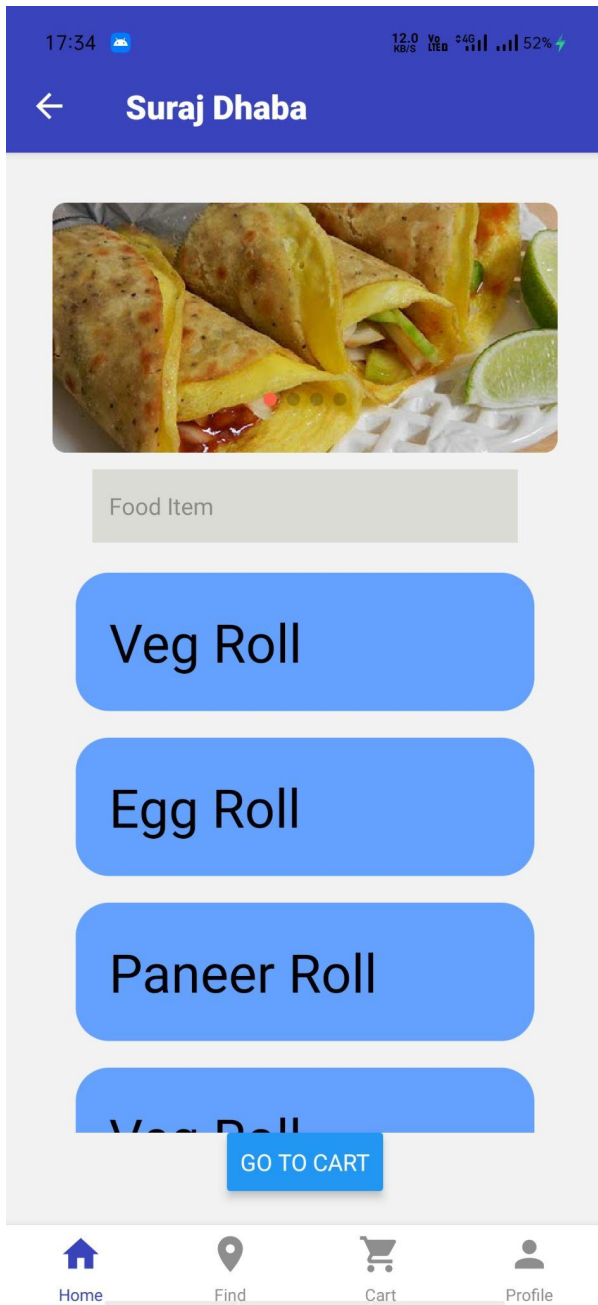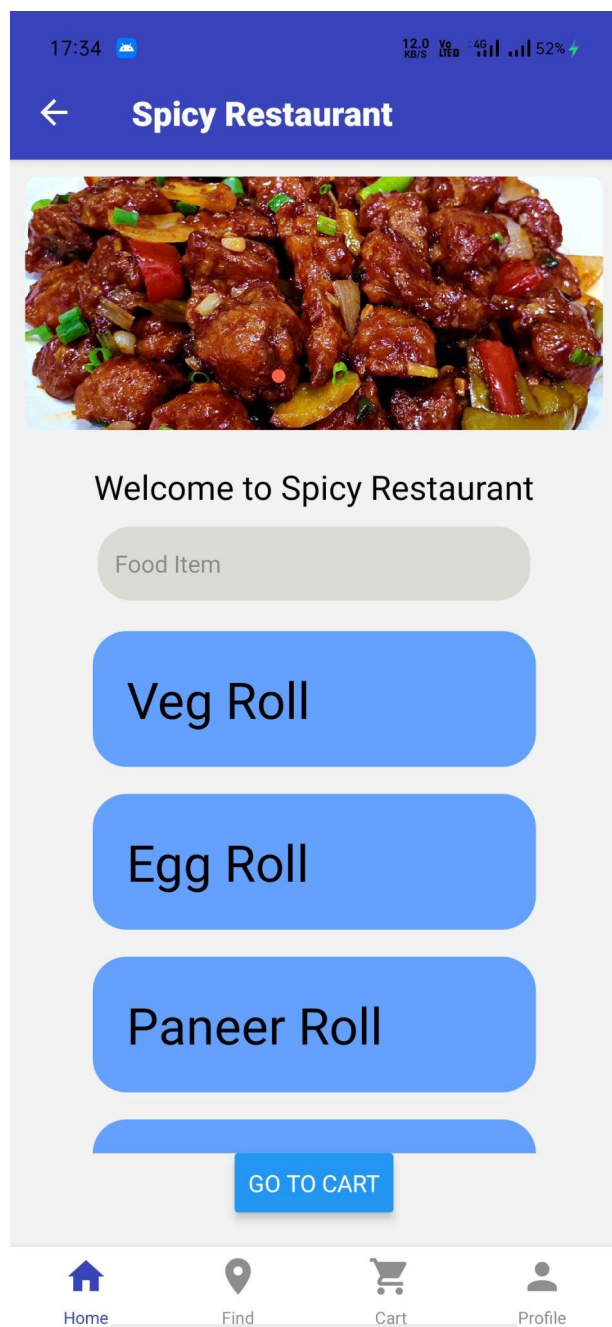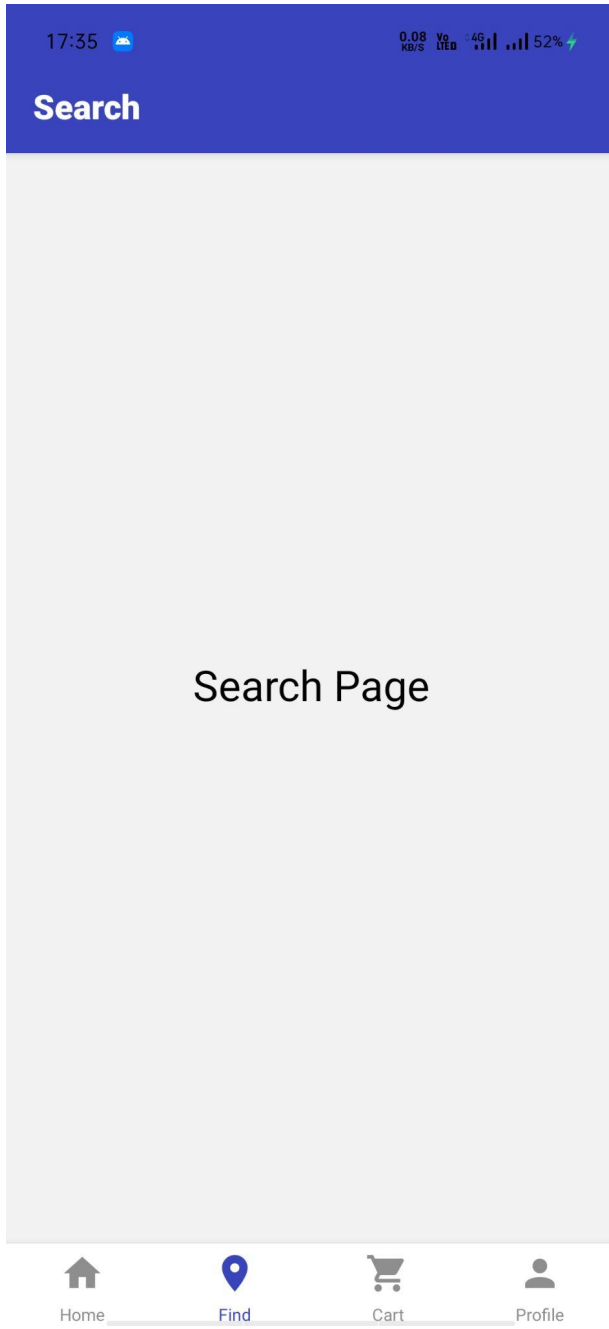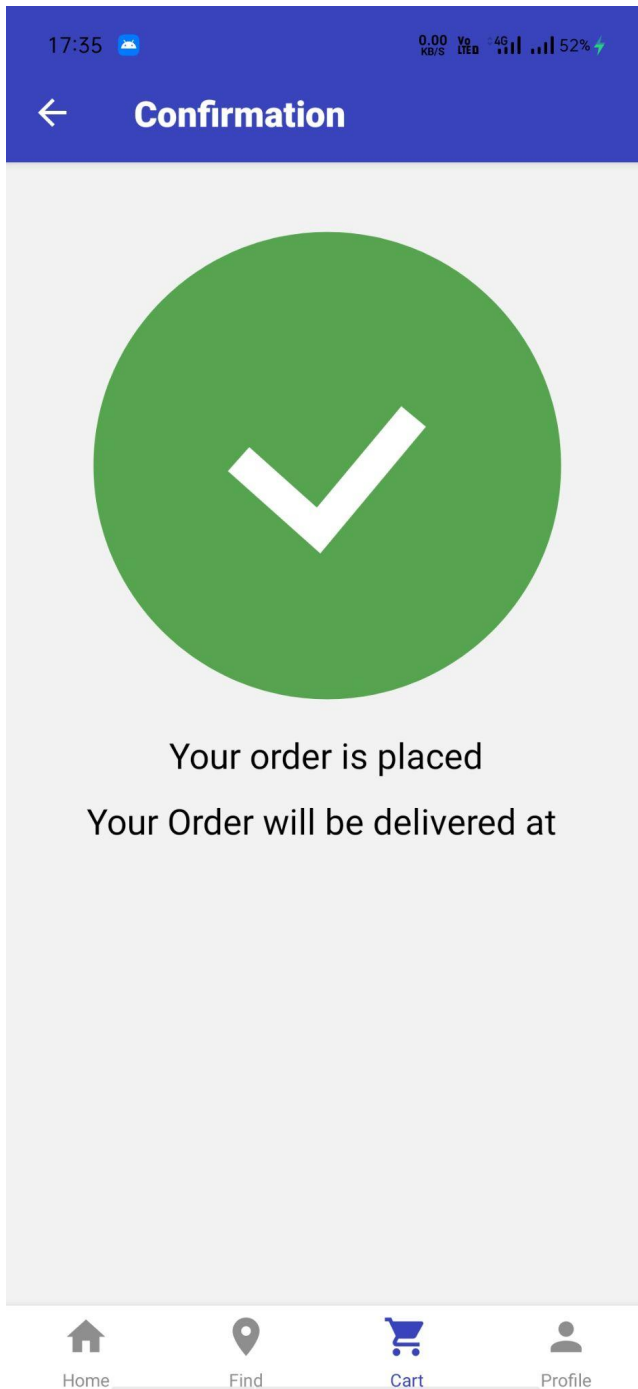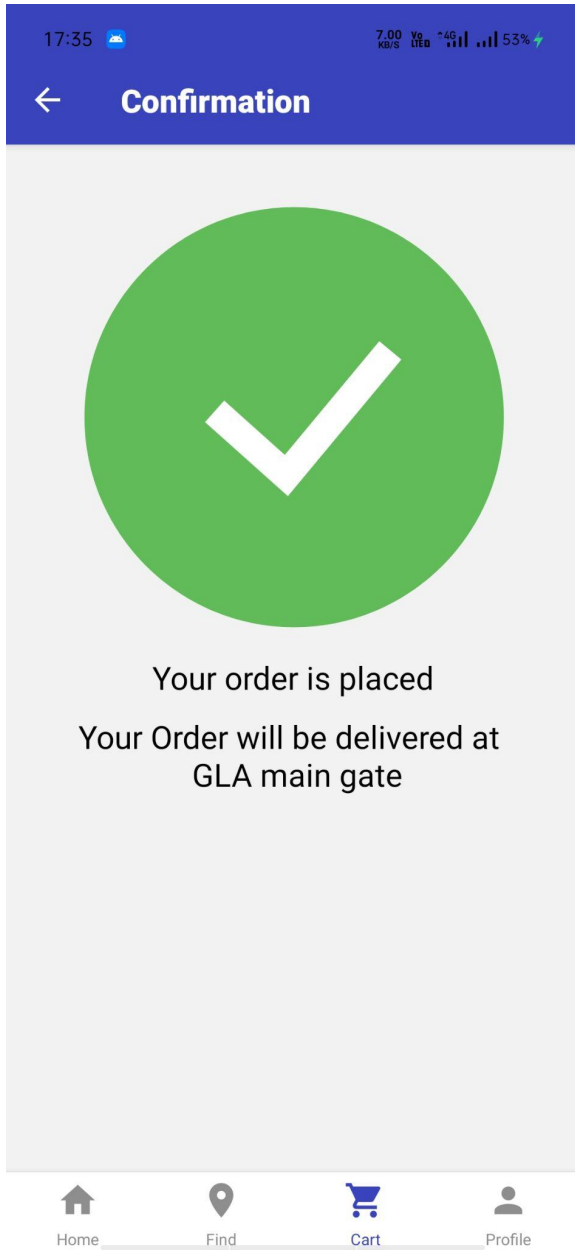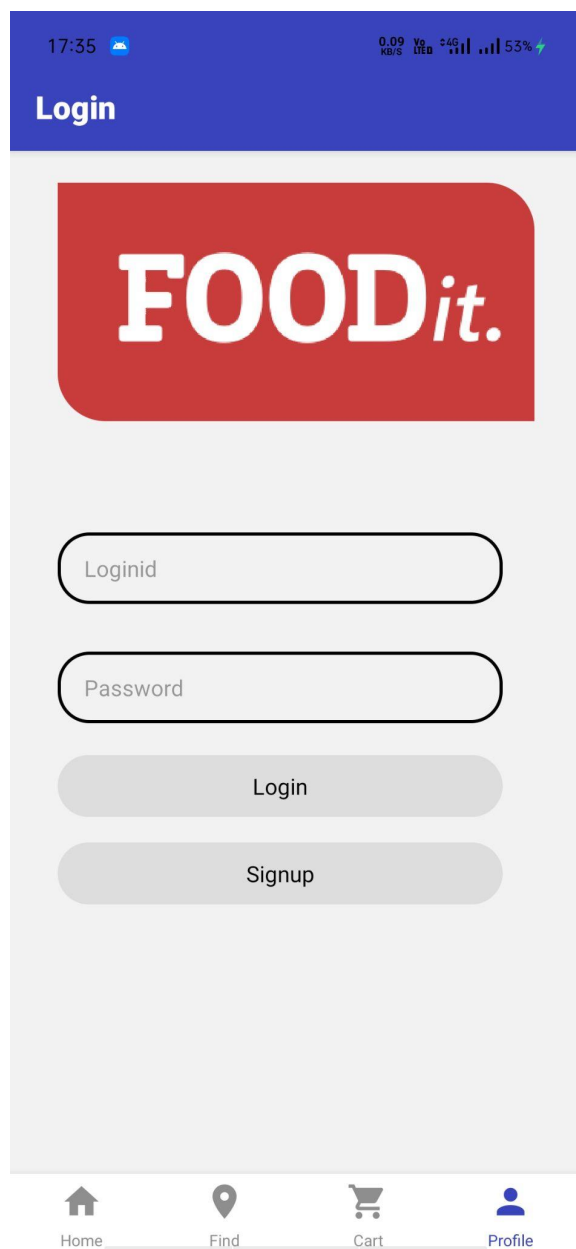
Screenshots

17:35

Search

Search Page

| Home | Find | Cart | Profile |

Your order is placed

Your Order will be delivered at

Home   Find   Cart   Profile

Confirmation

Your order is placed

Your Order will be delivered at
GLA main gate

Home   Find   Cart   Profile

Login

FOODit.

Loginid

Password

Login

Signup

Home   Find   Cart   Profile

Signup

FOODit.

Username/Id

Email

Password

Mobile No.

SignUp

Back to login

Home   Find   Cart   Profile

Profile

EDIT PROFILE

Hello

Home   Find   Cart   Profile

Profile

EDIT PROFILE

Hello

Home   Find   Cart   Profile

17:35
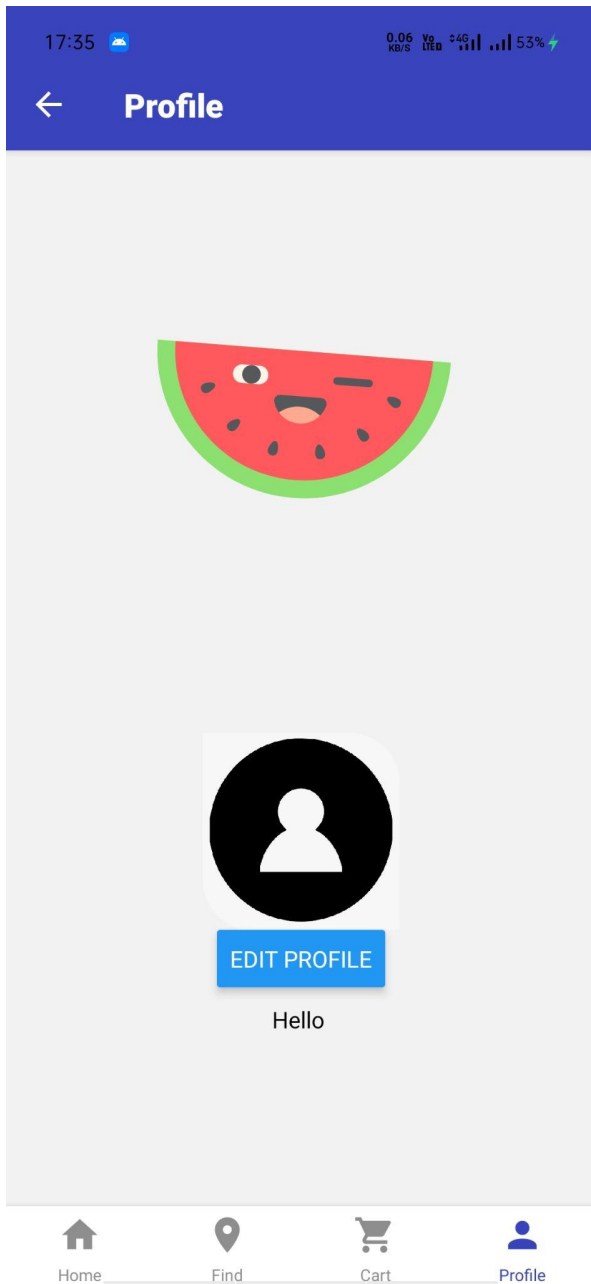
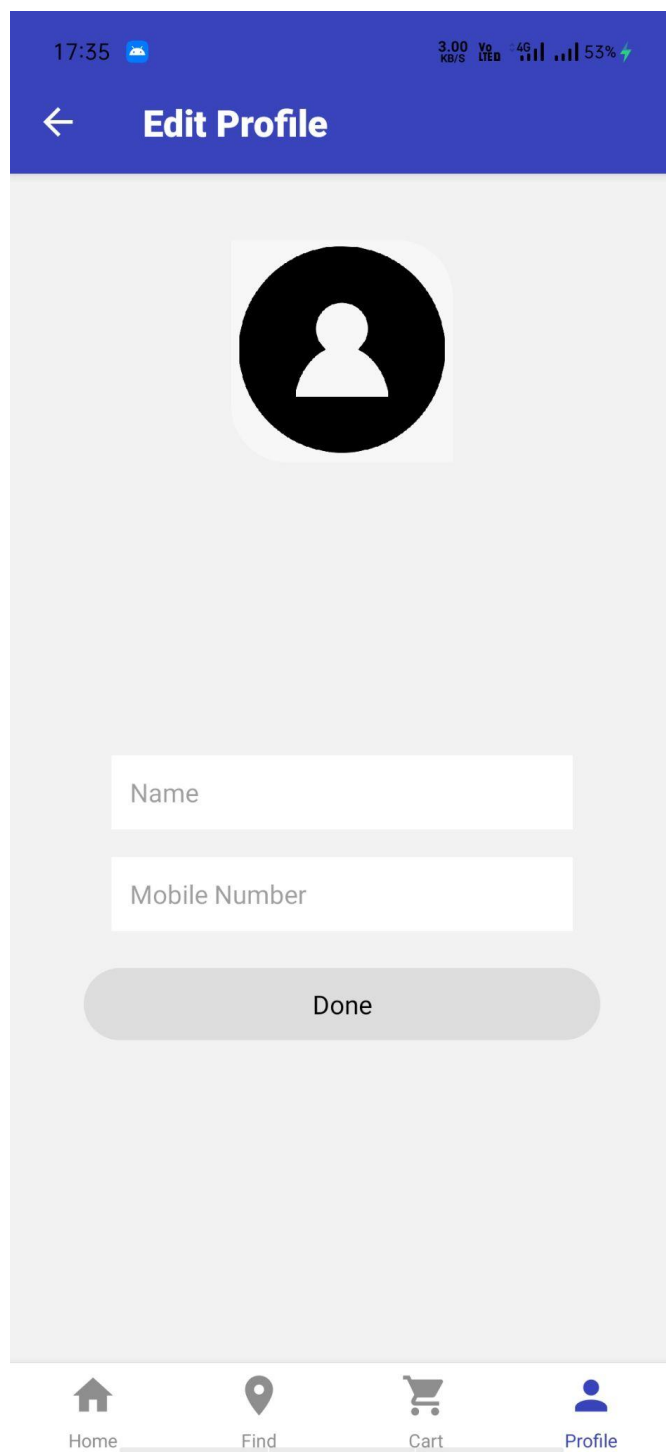**← Edit Profile**

Name

Mobile Number

Done

Home   Find   Cart   Profile
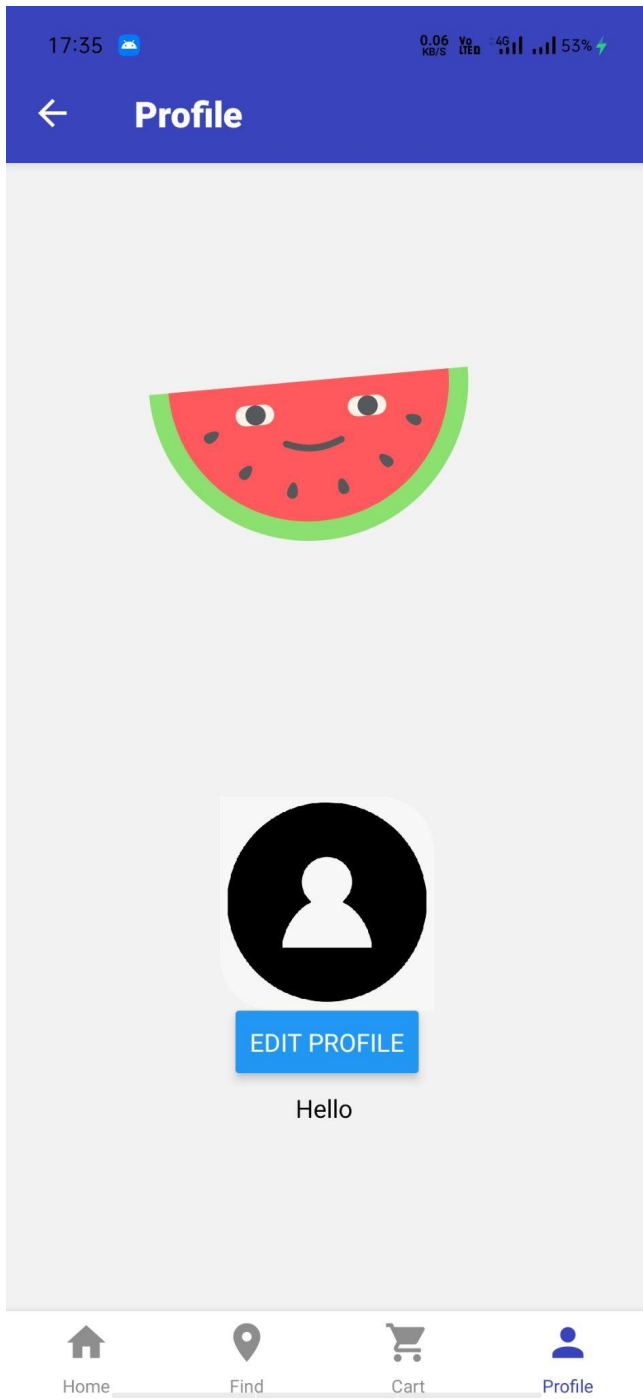
Conclusion and future work

This paper presents all the proposed systems related to the food delivery, food ordering and food delivery applications. But in all these proposed systems there are a lot of drawbacks. In conventional systems, waiters take orders from customers and write down on the paper then send to the kitchen for further processing. To cover the limitations of conventional paper based systems, a personal digital assistant system, multi touch screen technology system has been introduced which enables users to use that touch screen for ordering food. Then a wireless food ordering system comes which also enables the customer to get a real-time feedback. This system changed to a mobile food ordering and delivery process but there are still some limitations and usability issues. Now we are going to develop a Usable food delivery application according to the current customer needs and also to fulfill all the available usability issues in these systems.

TEAM FoodIt, GLA University