SIX WEEKS SUMMER TRAINING

REPORT

on

Android App Development/Cake Online Shopping App

Submitted by

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Registration No:11914513

Program Name:B.tech(Information Technology)

Under the Guidance of

Sudipta Paitandi

School of Computer Science & Engineering

Lovely Professional University, Phagwara

(June-July, 2021)

DECLARATION

I hereby declare that I have completed my six weeks summer training at "Fifthforce",Kolkata

from 05-06-2021 to 13-07-2021 under the guidance of Sudipta Paitandi. I declare that I have worked with full dedication during these six weeks of training and my learning outcomes full fill the requirements of training for the award of degree of android app development, Lovely Professional University, Phagwara.

Name of Student: Vipin Goriparthi

Registration no:11914513

ACKNOWLEDGEMENT

I would like to thank my teacher Anindya Banerjee for helping me with this project. He allowed me to work on this project.

I would also want to thank my group members who helped me in finalizing this project within a limited time frame.

<u>Summer training Certificate</u>

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SUMMER TRAINING CERTIFICATE

Presented To

VIPIN GORIPARTHI

For successfully completing the Summer
Training On "Android App Development"
Held from June 04' 2021 to July 15' 2021

SUDIPTA PAITANDI
Program In-charge

VICTOR BANERJEE
Chief of Operations

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ABSTRACT

Modern hands held devices such as smart phones and PDAs have been increasingly powerful in recent years. Dramatic break throughs in processing power along with the number of extra features included in these devices have opened the doors to a wide range of commercial possibilities. In particular, most cell phones regularly include almost all feature that a PC provides.

As mobile devices have over-came the PC in terms hand on uses. Most of the works can be done through it such as payment, shopping, food ordering etc. We introduce the Online Cake Ordering App (Cherry Cakes) developed for the Android Users.

The prime objective of "Cherry Cakes" is to provide a platform for the cakes shops to increase their sales and improve reputation in the market. The user can find his/her liking shop to order the cake, they can also see the menu of that shop to order. User have to pay online through safe portals and cake will be delivered.

The project is developed in Java Programming Language. We use Android Software Development Kit (SDK) which includes a variety of custom tools that helps us develop mobile applications on Android Platform. We used Git Hub to share the code and development of the project among the Group Members.

TOOLS AND TECHNOLOGY

- ➥ Android Studio

- ➥ Git Hub

- ➥ Also.in

Reason: Code changes can be witnessed in the emulator or physical device on real-time without restarting the app or building a new APK (Android Application Package file) every time. Featuring an intelligent Code Editor equipped with IntelliJ IDEA interface, Android Studio makes code writing and analysis faster, easier and more accurate.

PROFILE OF PROBLEM

1. Help Cake business to go online
2. Increase sales and reputation
3. Help entrepreneurs to grow their business in digital world.
4. Online payment
5. Option to choose your liking shop
6. Attractive user interface

Introduction

This chapter highlights the results of the project, code and snapshots for each of the activities are shown along with the discussion of each activity describing it's working. Each snapshot describes every single step of the Cherry Cake App. All main activities as well as options provided to the users in each activities.
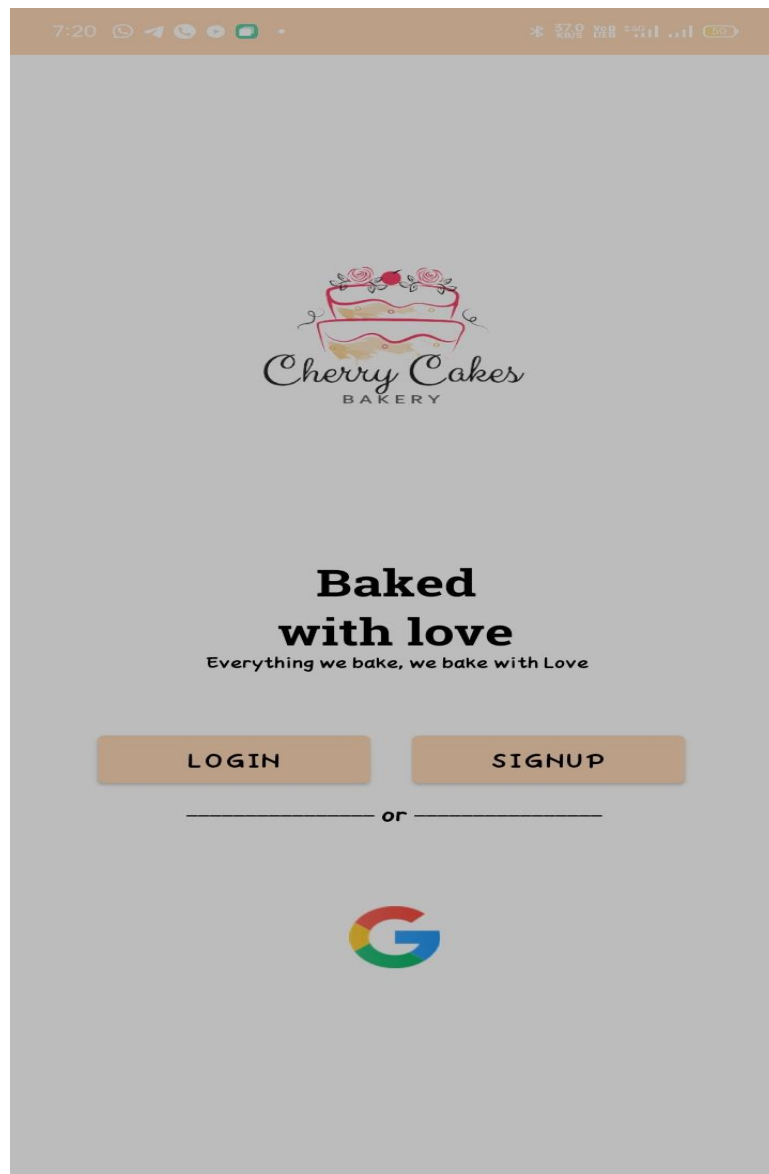
Snapshots of outputs
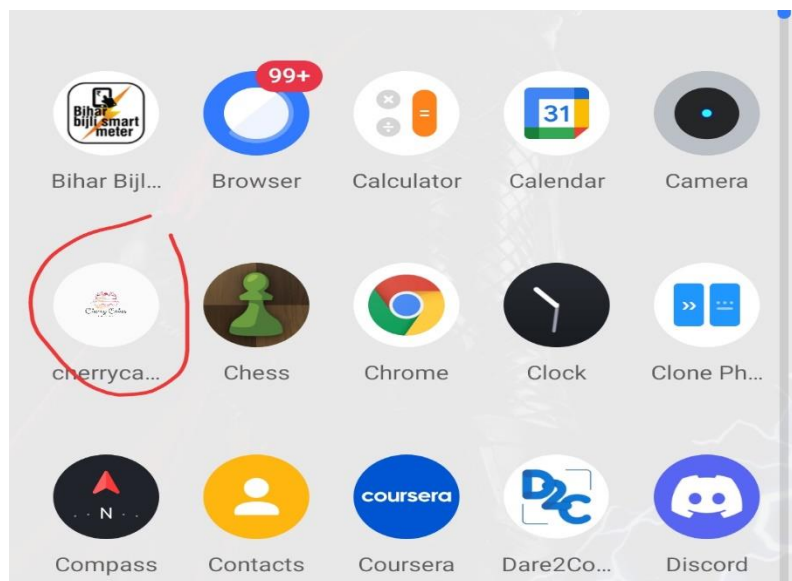
The circled icon is the image icon representation of the Cherry Cakes (online cake ordering app) on clicking it will open the application which results in the creation of the first activity.

This is the first screen or activity of the project output, which will open the app with a little bit of animation which will lead to the user interface.

5.

After the app starts the users will see this screen where they have to sign up for the new users or login who have already registered.

6.

If the user taps on the signup option user will be directed to this page where he/she has to provide a valid email and a strong password to register.

7.
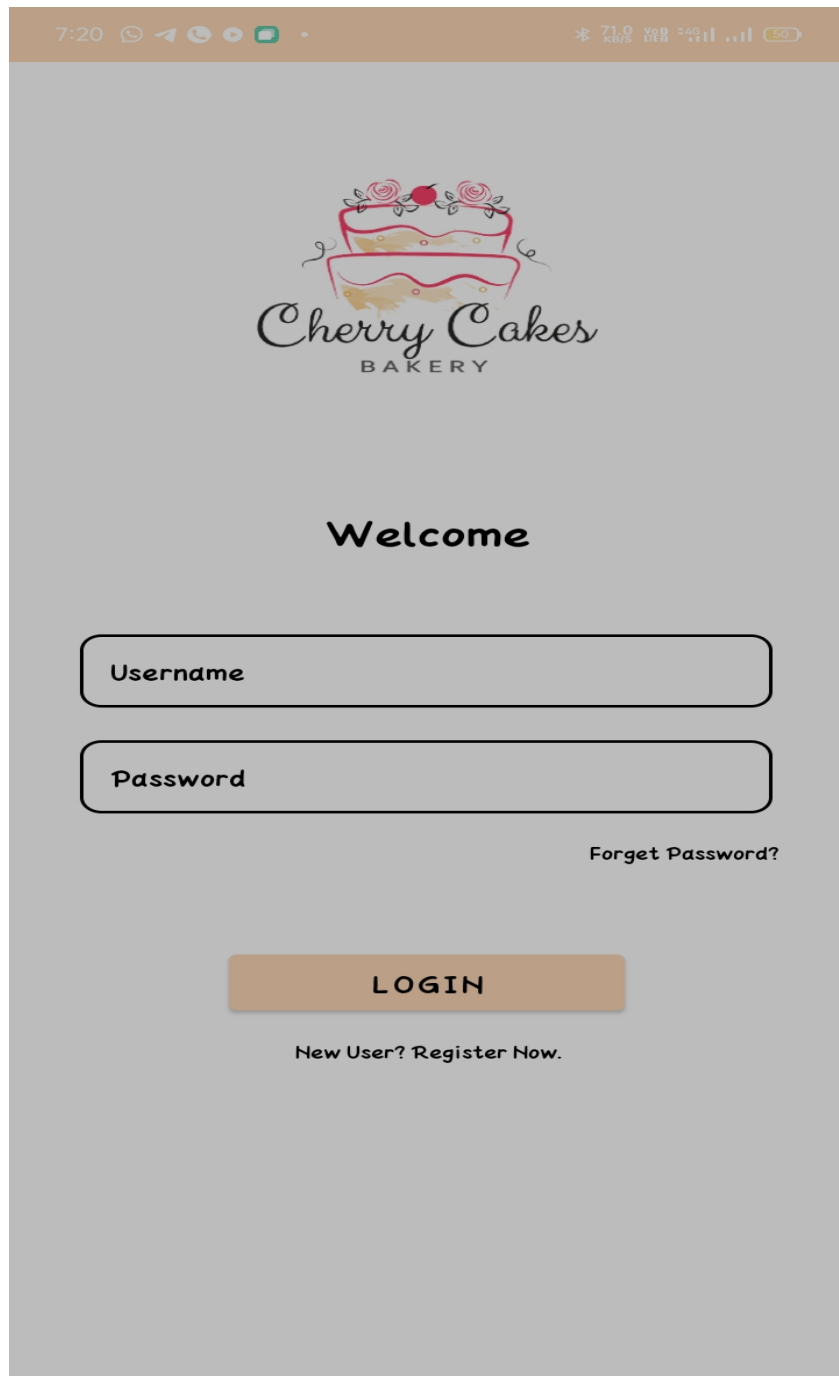
After clicking on the register option user have to provide a valid phone number for more security reasons and generate OTP.

9.
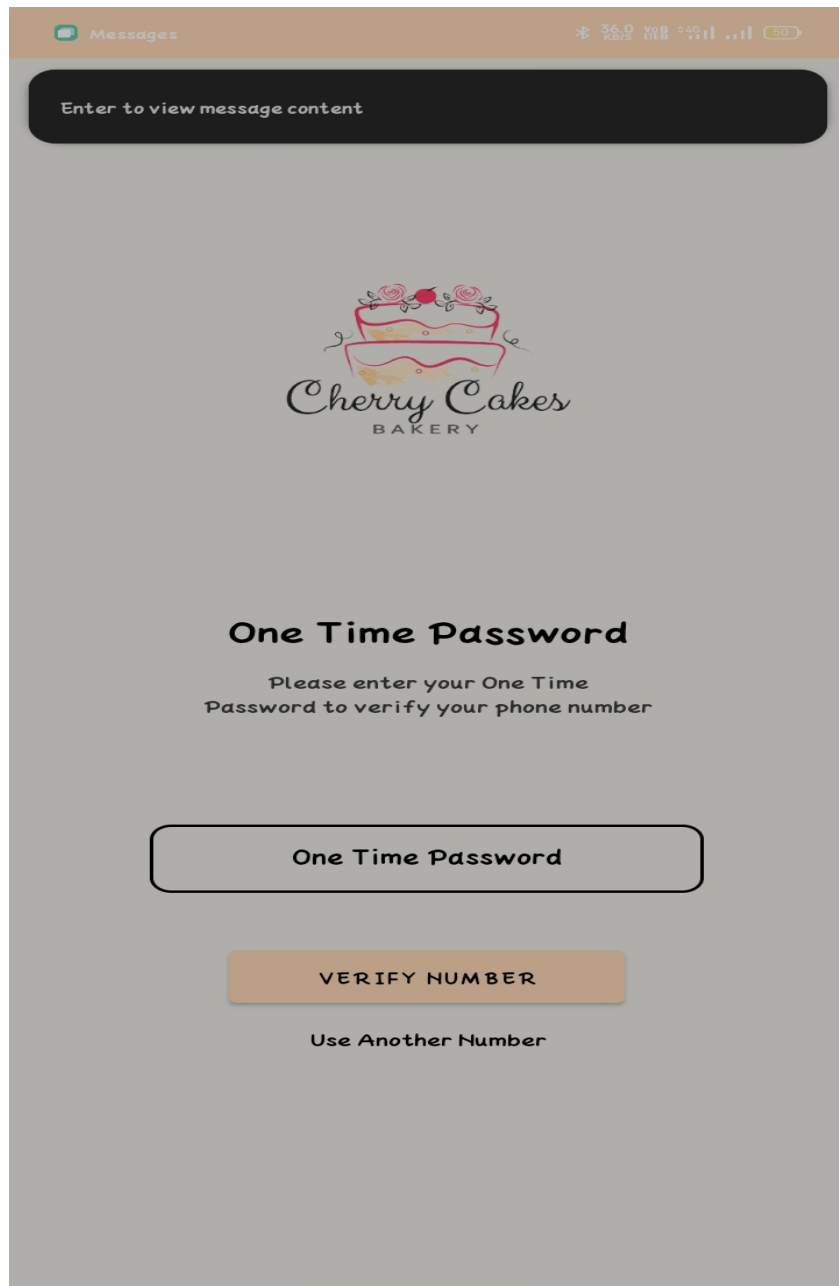
Now user have to type the OTP that has sent on the number provided during registration to verify the number. In case number does not matches, user have to try again.

10.

In case user have already registered, user have to provide login credentials to login. In user does not remember the password, there is option of "Forgot Password?" to help login with registered number.

11.

Anniversary Cakes

Red Velvet Heart Cake
Rs. 949 /KG

Rosy Heart Chocolate Cake
Rs. 799 /KG

Heart Shaped Butterscotch Cake
Rs. 699 /KG

Red Velvet Heart Cream Cake
Rs. 899 /KG

Roses on Heart Designer Cake
Rs. 799 /KG

Love Couple Designer Cake
Rs. 1499 /KG

After successful login user will land on this page where he/she will see various kind of cakes and options to choose from them to order or explore.

12.
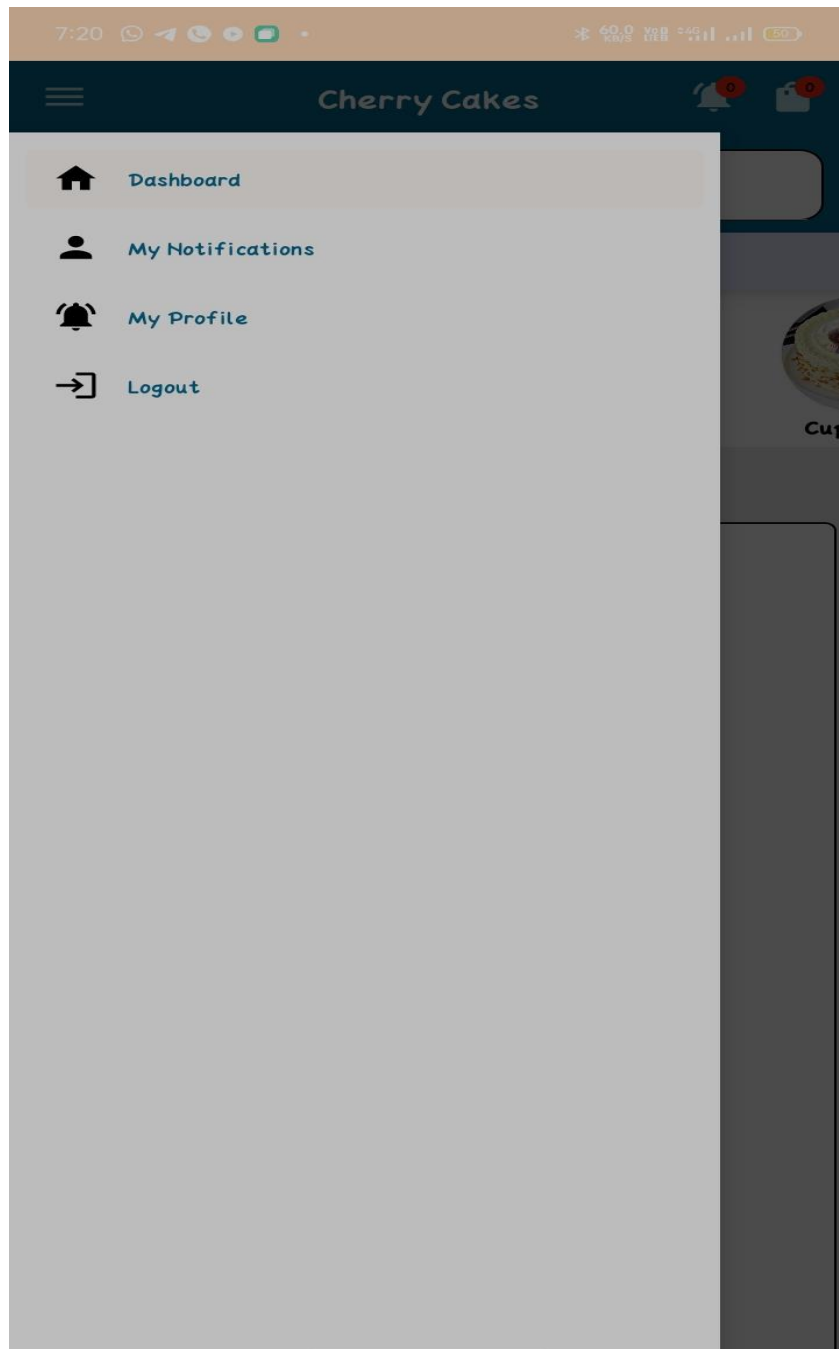
These are the options that are available for the user to help them to better their experience with the app. Here we have provided some of the basic options like notification, profile, logout etc.

13.
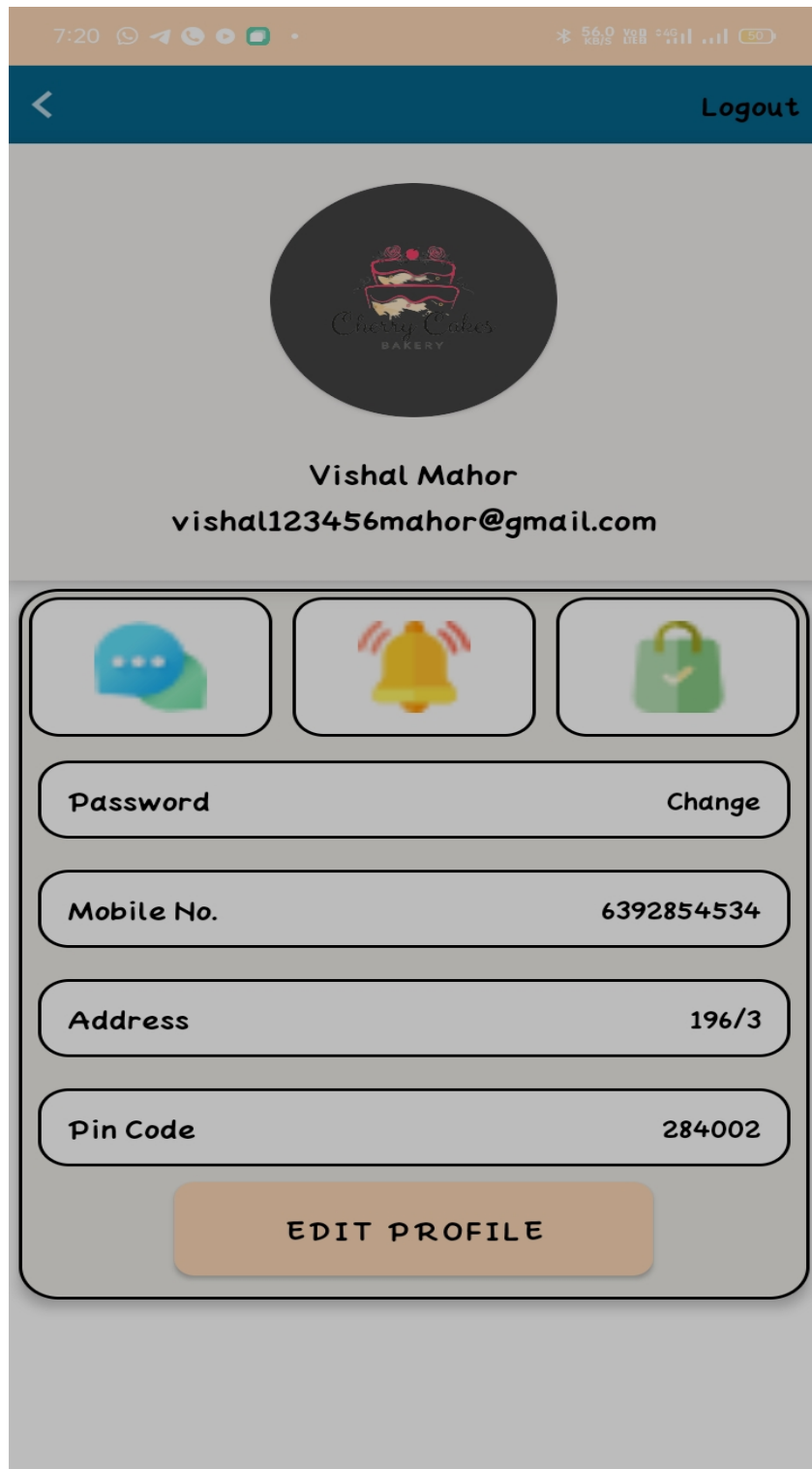
Here users can update their profile easily and update their address, password or mobile number for better choice.

14.

[Source Code](#)

Android Main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.cherrycakes">

    <uses-permission
android:name="android.permission.ACCESS_FINE_LOCATION" />
    <uses-permission
android:name="android.permission.ACCESS_FINE_LOCATION" />
    <uses-permission android:name="android.permission.INTERNET" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/logo"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Cherrycakes">
        <activity android:name=".PaymentActivity" />
        <activity android:name=".edit_profile_Activity" />
        <activity android:name=".Profile_Activity" />
        <activity android:name=".locationActivity" />
        <activity android:name=".item_details_Activity" />
        <activity android:name=".fruit_cake_Activity" />
        <activity android:name=".sponge_cake_Activity" />
        <activity android:name=".Red_velvet_cake_Activity" />
        <activity android:name=".customize_cakes_Activity" />
        <activity android:name=".photo_cake_Activity" />
        <activity android:name=".Chocolate_Activity" />
        <activity android:name=".square_cakes_Activity" />
        <activity android:name=".Heart_cakes_Activity" />
        <activity android:name=".RoundcakesActivity" />
        <activity android:name=".homeActivity" />
        <activity android:name=".OTPActivity" />
        <activity android:name=".phoneActivity" />
        <activity android:name=".signupActivity" />
        <activity android:name=".welcomeActivity" />
        <activity android:name=".LoginActivity" />
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>

        <meta-data
            android:name="preloaded_fonts"
            android:resource="@array/preloaded_fonts" />
    </application>
```

</**manifest**>

Activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".MainActivity"
    android:background="@color/white">


    <ImageView
        android:id="@+id/back_scene"
        android:layout_width="match_parent"
        android:layout_height="900dp"
        android:background="@color/platinum"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.0" />

    <ImageView
        android:id="@+id/logo"
        android:layout_width="300dp"
        android:layout_height="300dp"
        android:background="@drawable/logo"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.495"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.118" />

    <com.airbnb.lottie.LottieAnimationView
        android:id="@+id/splash_motion"
        android:layout_width="wrap_content"
        android:layout_height="200dp"
        app:lottie_autoPlay="true"
        app:lottie_rawRes="@raw/splash"
        app:layout_constraintVertical_bias="0"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/logo" />
```

17

</androidx.constraintlayout.widget.ConstraintLayout>

Activity_login.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".LoginActivity">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@color/white"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="300dp"
        android:layout_height="300dp"
        android:src="@drawable/logo"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.495"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Welcome"
        android:textColor="@color/black"
        android:textSize="30dp"
        app:layout_constraintBottom_toBottomOf="parent"
```

```xml
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView2"
        app:layout_constraintVertical_bias="0" />

    <EditText
        android:id="@+id/txt_emails"
        android:layout_width="350dp"
        android:layout_height="50dp"
        android:background="@drawable/sp"
        android:hint="Username"
        android:paddingLeft="15dp"
        android:textColor="@color/black"
        android:textColorHint="@color/black"
        app:layout_constraintBottom_toBottomOf="@+id/imageView"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.491"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView3"
        app:layout_constraintVertical_bias="0.1" />

    <EditText
        android:id="@+id/txt_passwords"
        android:layout_width="350dp"
        android:layout_height="50dp"
        android:background="@drawable/sp"
        android:hint="Password"
        android:paddingLeft="15dp"
        android:textColor="@color/black"
        android:textColorHint="@color/black"
        app:layout_constraintBottom_toBottomOf="@+id/imageView"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.491"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txt_emails"
        app:layout_constraintVertical_bias="0.054" />

    <TextView
        android:id="@+id/forget"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Forget Password?"
        android:textColor="@color/black"
        app:layout_constraintBottom_toBottomOf="@+id/imageView"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.895"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txt_passwords"
        app:layout_constraintVertical_bias="0.045" />
```

```xml
<Button
    android:id="@+id/btn_login"
    android:layout_width="200dp"
    android:layout_height="50dp"
    android:text="Login"
    android:textColor="@color/black"
    android:textSize="20dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/forget"
    app:layout_constraintVertical_bias="0.179" />

<TextView
    android:id="@+id/go_to_register"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="New User? Register Now."
    android:textColor="@color/black"
    app:layout_constraintVertical_bias="0.05"
    app:layout_constraintBottom_toBottomOf="@+id/imageView"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btn_login" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_signup.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".signupActivity">

<ImageView
    android:id="@+id/imageView"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```xml
<ImageView
    android:id="@+id/imageView2"
    android:layout_width="300dp"
    android:layout_height="300dp"
    android:src="@drawable/logo"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.495"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Become a Member"
    android:textColor="@color/black"
    android:textSize="30dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView2"
    app:layout_constraintVertical_bias="0" />

<EditText
    android:id="@+id/txt_email"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:background="@drawable/sp"
    android:hint="Email-Address"
    android:paddingLeft="15dp"
    android:textColor="@color/black"
    android:textColorHint="@color/black"
    app:layout_constraintBottom_toBottomOf="@+id/imageView"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.491"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3"
    app:layout_constraintVertical_bias="0.1" />

<EditText
    android:id="@+id/txt_password"
    android:layout_width="350dp"
    android:layout_height="50dp"
    android:background="@drawable/sp"
    android:hint="Password"
    android:inputType="textPassword"
    android:paddingLeft="15dp"
    android:textColor="@color/black"
```

```xml
        android:textColorHint="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.488"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txt_email"
        app:layout_constraintVertical_bias="0.05" />

    <EditText
        android:id="@+id/txt_cpassword"
        android:layout_width="350dp"
        android:layout_height="50dp"
        android:background="@drawable/sp"
        android:hint="Confirm Password"
        android:paddingLeft="15dp"
        android:textColor="@color/black"
        android:inputType="textPassword"
        android:textColorHint="@color/black"
        app:layout_constraintBottom_toBottomOf="@+id/imageView"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.491"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txt_password"
        app:layout_constraintVertical_bias="0.05" />

    <Button
        android:id="@+id/btn_register"
        android:layout_width="200dp"
        android:layout_height="50dp"
        android:text="Register"
        android:textColor="@color/black"
        android:textSize="20dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txt_cpassword"
        app:layout_constraintVertical_bias="0.278" />

    <TextView
        android:id="@+id/go_to_login"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Existing User? Login Now."
        android:textColor="@color/black"
        app:layout_constraintVertical_bias="0.05"
        app:layout_constraintBottom_toBottomOf="@+id/imageView"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/btn_register" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_editprofile.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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:background="@color/platinum"
    tools:context=".edit_profile_Activity">

    <LinearLayout
        android:id="@+id/back_to_home"
        android:layout_width="match_parent"
        android:layout_height="50dp"
        app:layout_constraintVertical_bias="0"
        android:background="@color/blue_sapphire"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <ImageView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_margin="10dp"
            android:src="@drawable/ic_baseline_navigate_before_24" />
        <TextView
            android:id="@+id/users"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"/>
    </LinearLayout>

    <TextView
        android:id="@+id/textView5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="20dp"
        android:gravity="center"
        android:text="Edit Profile"
        android:textColor="@color/black"
        android:textSize="35dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```

```xml
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/back_to_home"
        app:layout_constraintVertical_bias="0" />

    <EditText
        android:id="@+id/txts_name"
        android:layout_width="match_parent"
        android:layout_height="50dp"
        android:textColor="@color/black"
        android:layout_margin="20dp"
        android:background="@drawable/sp"
        android:hint="Name"
        android:padding="15dp"
        app:layout_constraintVertical_bias="0.1"
        android:textColorHint="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView5" />

    <EditText
        android:id="@+id/txts_email"
        android:textColor="@color/black"
        android:layout_width="match_parent"
        android:inputType="textEmailAddress"
        android:layout_height="50dp"
        android:layout_margin="20dp"
        android:background="@drawable/sp"
        android:hint="Email-Address"
        android:padding="15dp"
        android:textColorHint="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/txts_name"
        app:layout_constraintVertical_bias="0"/>

    <EditText
        android:id="@+id/txts_mobile"
        android:layout_width="match_parent"
        android:textColor="@color/black"
        android:layout_height="50dp"
        android:layout_margin="20dp"
        android:layout_marginBottom="16dp"
        android:inputType="number"
        android:background="@drawable/sp"
        android:hint="Mobile No."
        android:padding="15dp"
        android:textColorHint="@color/black"
        app:layout_constraintVertical_bias="0"
```

```
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/txts_email" />

<EditText
    android:id="@+id/txts_Address"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:layout_margin="20dp"
    android:textColor="@color/black"
    android:layout_marginBottom="52dp"
    android:background="@drawable/sp"
    android:hint="Address"
    android:padding="15dp"
    android:textColorHint="@color/black"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintVertical_bias="0.04"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/txts_mobile" />

<EditText
    android:id="@+id/txts_pincode"
    android:layout_width="match_parent"
    android:layout_height="50dp"
    android:textColor="@color/black"
    android:layout_margin="20dp"
    android:inputType="number"
    android:background="@drawable/sp"
    android:hint="Pin Code"
    android:padding="15dp"
    android:textColorHint="@color/black"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/txts_Address"
    app:layout_constraintVertical_bias="0" />

<TextView
    android:id="@+id/verify_nos"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Verify Mobile No.*"
    android:layout_marginTop="5dp"
    app:layout_constraintVertical_bias="0.09"
    android:elevation="10dp"
    app:layout_constraintHorizontal_bias="0.9"
    android:textColor="@color/blue_sapphire"
    app:layout_constraintBottom_toTopOf="@+id/txts_Address"
```

```xml
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/txts_mobile" />


    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="80dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintVertical_bias="0.3"
        app:layout_constraintTop_toBottomOf="@+id/txts_pincode">

        <Button
            android:id="@+id/update_profile"
            android:layout_width="match_parent"
            android:layout_gravity="center"
            android:layout_height="60dp"
            android:layout_marginLeft="40dp"
            android:layout_marginRight="40dp"
            android:elevation="10dp"
            android:text="Update Profile"
            android:background="@drawable/button"
            android:textColor="@color/black"
            android:textSize="20dp"/>

    </LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java

```java
package com.example.cherrycakes;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.widget.ImageView;

import com.airbnb.lottie.LottieAnimationView;

public class MainActivity extends AppCompatActivity {

    ImageView logo, back;
    LottieAnimationView;
    private static int SPLASH_SCREEN = 6000;
```

```java
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        logo = findViewById(R.id.logo);
        back = findViewById(R.id.back_scene);
        lottieAnimationView = findViewById(R.id.splash_motion);

        back.animate().translationY(-2800).setDuration(1000).setStartDelay(4000);
        logo.animate().translationY(1900).setDuration(1000).setStartDelay(4000);

lottieAnimationView.animate().translationY(1900).setDuration(1000).setStartDelay(4000);


        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                Intent = new Intent(MainActivity.this, welcomeActivity.class);
                startActivity(intent);
                finish();
            }
        }, SPLASH_SCREEN);

    }
}
```

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<center>SYSTEM REQUIREMENTS</center>

On Client Side

1. Must be an Android User
2. Android Jelly Bean 4.2 or upper
3. Fast internet connection
4. Minimum RAM 512 mb

On Server Side

1.Dual-Core 1.6 Ghz or higher.

2.2 GB RAM.

3.500 MB free disk space.

4.Andoid studio

5.Secure server

6.Fast internet connection

Features

1. Secure Login-Logout (password encrypted)
2. User Friendly
3. Free for Use
4. Open Source
5. Fast Delivery

Development Tools

1. Android Studio
2. Java Programming Language
3. Git Hub
4. Also.in

Future Scope

1. Live Chat
2. Comments
3. Like Dislike
4. User validation using mail and password recovery
5. Improve Security
6. Cross Platform App

Daywise Topics

Day	Topic
Day	**Topic**
Day-1	Your first Android App & button clicks
Day-2	Using Intents
Day-3	Returning Data from Intents, Using Action Buttons
Day-4	Using List View
Day-5	Using Alert Dialog
Day-6	Using Notifications, Splash Screens
Day-7	Using Multithreading, Async Task
Day-8	Using Services
Day-9	Using the Adapter class
Day-10	Using Broadcast Receivers, Data Storage
Day-11	Data Storage
Day-12	Introducing SQLite
Day-13	Introducing SQLite Continued
Day-14	Using Maps, WebView
Day-15	Webservice Intro, Resources & Assets
Day-16	Using Camera, creating Charts, Fragments
Day-17	Project Guidance
Day-18	Project Guidance
Day-19	Project Guidance
Day-20	Project Guidance
Day-21	Project Presentation & Viva

SUMMARY

In this chapter we saw all the snapshots of all the activities, along with the features provided to the user. The image icon is the representation of the Cherry Cake App. The first activity has a user login/sign in interface for the user. After validating the sign in trough OTP, user see the dashboard of the app where he/she can search for the shops, see their menu and order the cake. On the left side there is a slide of various option for the user to choose such as my profile, favourite items, log out options etc. User can even search by the shapes of the cake. All members of the group have tested this app and its features. And we are happy to say it's a very attractive and responsive app to order cake online.