

XAVIER INSTITUTE OF ENGINEERING
Department of Information Technology
Class/ Sem/ A.Y: BEIT/ VII/ 2021-22
Course Name: AAD Lab

Group No/ Roll No: 19/ XIEIT181947

| LO | Description | Bloom's Level |
|-----------|--|------------------------------|
| ITL704.1 | Experiment on Integrated Development Environment for Android Application Development. | 4 (Analyzing) |
| ITL704.2 | Design and Implement User Interfaces and Layouts of Android App. | 3 (Applying) 6 (Creating) |
| ITL704.3 | Use Intents for activity and broadcasting data in Android App. | 3 (Applying) |
| ITL704.4 | Design and Implement Database Application and Content Providers. | 3 (Applying) 6 (Creating) |
| ITL704.5 | Experiment with Camera and Location Based service. | 4 (Analyzing) |
| ITL704.6 | Develop Android App with Security features. | 6 (Creating) |

| UpHealth- Healthcare at your Doorstep | | | | | | |
|--|----------------------------|-------------------------------|---|--|--|-------------------|
| Rubrics For Laboratory Work | | | | | | |
| Roll No. | Name of the Student | Problem Statement (15) | Creativity & Quality of Work done (15) | Punctuality & lab ethics (10) | Performance / Presentation (10) | Total (50) |
| 27 | Merlyn Koonamparampath | | | | | |
| 53 | Raj Shah | | | | | |
| 61 | Mahipal Sundvesha | | | | | |

Ms. Jyotsna More/Ms. Suvarna Aranjo

CHAPTER NO 1

UpHealth- Healthcare at your Doorstep

1.1 PROBLEM DEFINITION

In today's era, technology is growing so rapidly. By providing solutions from smaller to bigger problems, technology has made most of our lives easier, simpler and better. Due to the covid-19 pandemic the whole world had come to halt, people were home ridden, and chaos was spread everywhere. In these unprecedented times during a global pandemic, people faced several health issues only on the thought that what if they contracted covid-19? What if they could find a hospital? What will happen to their family if anything happens to them?

To answer all such questions, not only related to the covid-19 pandemic but similar to those stated above, and for health savvy people who find it difficult to get products they require for taking care of their health in their nearby areas, Uphealth was the solution created for the people. Many times people are not aware about the exact problem or disease going inside their body, but they feel various symptoms and dysfunctionalities happening to them. Uphealth is the platform developed to provide the Solution. The main purpose of this project is to help the user to easily find herbs and fruits that will be good for the health of the user depending on any health issue or disease that he/she is suffering from. The project provides the users with significant health improvement and product availability. It serves as a convenient channel to access product purchase.

1.2 NEED FOR DEVELOPING THE WEBSITE

- Poor User experience and design.
- People found it difficult to buy items required to take care of themselves during the pandemic.
- A dedicated application to shop for health curing herbs and fruits.

1.3 AIM AND OBJECTIVE

The main aim of this project is to help the user to easily find herbs and fruits that will be good for the health of the user depending on any health issue or disease that he/she is suffering from. Recommending herbs and fruits will help the users to get products beneficial to them. The project provides the users with significant health improvement and product availability. It serves as a convenient channel to access product purchase and health treatment details

1.4 SCOPE

- Having direct access to consumer, the online stores can offer products that cater to the needs of consumer.
- This system helps the user to reduce its searching time to a great extent by allowing the user to discover items by categories, according to the health problem.
- This system also allows the user to view the selected fruit or the herb's description which describes how the fruit or the herb will help to improve the user's health.

1.5 FEATURES

- Easy to use, User friendly interface and Time saving.
- The registration page and a login page
This is basically to create an account and therefore get all the inputs from the user and whatever vital information that is required.
- Description of the herb's or fruits or any product that we are selling, there will be a small description about it mentioning the important factors of the products and can be recommended with regards to it's properties. For ex: Apple can reduce the risk of cancer, cardiovascular disease and diabetes and so on.
- Categories
There will be certain things that the user is searching according to his needs, so for that we can accordingly recommend products on what they have searched about. We have categorised the items available according to the disease so that user can easily find them according to the disease type.
- Complaint gateway is provided to give feedback/complaint, if the received product is not par with the quality or rotten.

CHAPTER NO 2

REVIEW OF LITERATURE

| Title | Year | Author | Description |
|--|------|---|---|
| Exploring Key Issues Affecting African Mobile eCommerce Applications Using Sentiment and Thematic Analysis | 2020 | TOLULOPE OLAGUNJU, OLADAPO OYEBODE, RITA ORJI | Analysis on various business, legal, and technology issues, as well as positive factors such as ease of use, fast delivery time, and affordable items and recommendations on how to tackle the negative issues. |
| Ecommerce Chatbot (Online Shopping App) | 2021 | Prof.Monika Kanojiya, Shivam Chothani, Neville Gosalia, Mansi Surve | An online shopping app with integrated chatbot. App consists of different functionalities and features that will save the time of the customer and customer/user will have clear idea about the product and will have the benefit to choose the product wisely. |
| Development of Android Based Mobile App for PrestaShop eCommerce Shopping Cart (ALC) | 2017 | Swapnil S. Jagtap, Dinesh B. Hanchate | Design the GUI of the App for different devices like phones and tablets. The theme of the app should be attractive and easy to modify by the user so that the customers use this app for online shopping. It also emphasizes on improving performance and scalability |

| | | | |
|--|--|--|---|
| | | | of web applications. Decide the guidelines for guiding the design of web application. |
|--|--|--|---|

CHAPTER NO 3

SYSTEM DESCRIPTION

This application is built for consumers. The limitations of the traditional systems are overcome by the mobile application. The mobile application allows the users to install this application on their mobile devices. The user can view and purchase products available. They can also view the details of the products and can place an order for the same. They can upload the pictures of their received products using this system.

3.1 HARDWARE AND SOFTWARE REQUIREMENTS

3.1.1 ANDROID STUDIO

Android Studio is the official integrated development environment for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development. It is available for download on Windows, macOS and Linux based operating systems or as a subscription-based service in 2021. It is a replacement for the Eclipse Android Development Tools (E-ADT) as the primary IDE for native Android application development.

The following features are provided in the current stable version:

- Gradle-based build support
- Android-specific refactoring and quick fixes
- Lint tools to catch performance, usability, version compatibility and other problems
- ProGuard integration and app-signing capabilities
- Template-based wizards to create common Android designs and components
- A rich layout editor that allows users to drag-and-drop UI components, option to preview layouts on
- Support for building Android Wear apps
- Built-in support for Google Cloud Platform, enabling integration with Firebase Cloud Messaging (Earlier 'Google Cloud Messaging') and Google App Engine[18]
- Android Virtual Device (Emulator) to run and debug apps in the Android studio.

Android Studio supports all the same programming languages of IntelliJ (and CLion) e.g. Java, C++, and more with extensions, such as Go;[19] and Android Studio 3.0 or later

supports Kotlin[20] and "all Java 7 language features and a subset of Java 8 language features that vary by platform version." External projects backport some Java 9 features.[22] While IntelliJ states that Android Studio supports all released Java versions, and Java 12, it's not clear to what level Android Studio supports Java versions up to Java 12 (the documentation mentions partial Java 8 support). At least some new language features up to Java 12 are usable in Android.

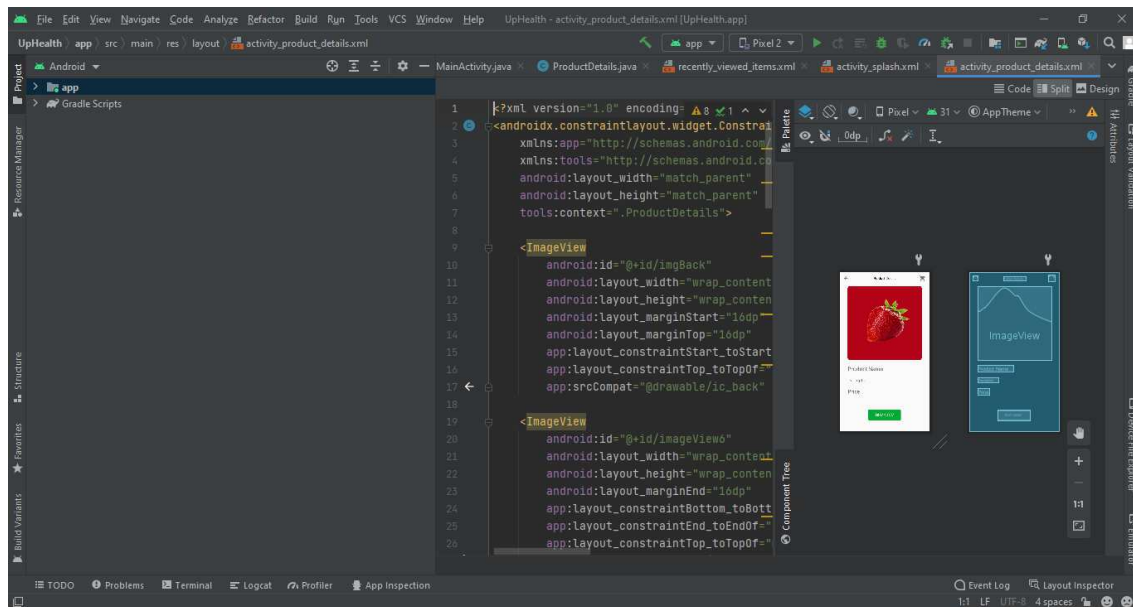


Fig 3.1: Android Studio

3.1.2 JDK

The Java Development Kit (JDK) is an implementation of either one of the Java Platform, Standard Edition, Java Platform, Enterprise Edition, or Java Platform, Micro Edition platforms released by Oracle Corporation in the form of a binary product aimed at Java developers on Solaris, Linux, macOS or Windows. The JDK includes a private JVM and a few other resources to finish the development of a Java application. Since the introduction of the Java platform, it has been by far the most widely used Software Development Kit. The JDK is a development environment for building applications, applets, and components using the Java programming language. The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform. In addition to choosing your Java version, you will also need to select a Java package. Packages are Java Development Kits that are targeted for different types of development. The available packages are Java Enterprise Edition (Java EE), Java Standard

Edition (Java SE), and Java Mobile Edition (Java ME). In addition to choosing your Java version, you will also need to select a Java package. Packages are Java Development Kits that are targeted for different types of development. The available packages are Java Enterprise Edition (Java EE), Java Standard Edition (Java SE), and Java Mobile Edition (Java ME).

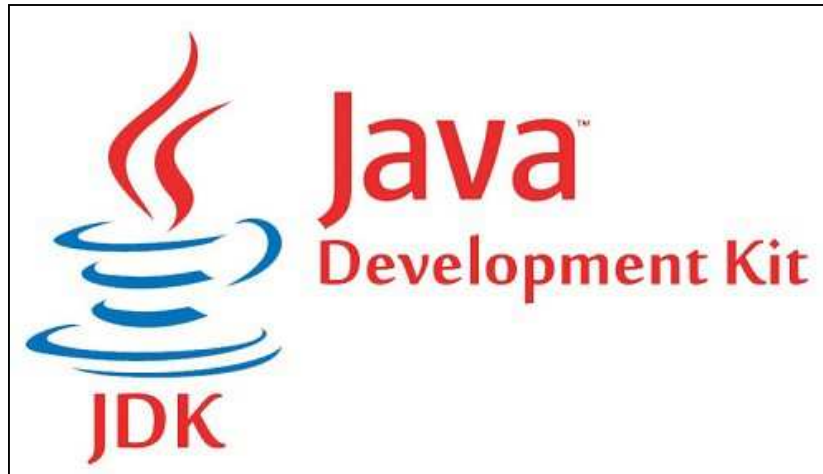


Fig 3.2: JDK

3.1.3 SDK

A software development kit (SDK) is a collection of software development tools in one installable package. They facilitate the creation of applications by having compiler, debugger and perhaps a software framework. They are normally specific to a hardware platform and operating system combination. SDK stands for software development kit or devkit for short. It's a set of software tools and programs used by developers to create applications for specific platforms.

SDK tools will include a range of things, including libraries, documentation, code samples, processes, and guides, that developers can use and integrate into their own apps. SDKs are designed to be used for specific platforms or programming languages.

Because your mobile SDK is meant to be used outside your organization, it has to provide value to other businesses and their developers. That value is dependent on your SDK having the following characteristics:

- Easy to use by other developers
- Thorough documentation to explain how your code works
- Enough functionality so it adds value to other apps

- Does not negatively impact a mobile device's CPU, battery, or data consumption
- Plays well with other SDKs



Fig 3.3: SDK

3.1.4 ANDROID DEVICE

Android is a mobile operating system based on a modified version of the Linux kernel and other open source software, designed primarily for touchscreen mobile devices such as smartphones and tablets. Android is developed by a consortium of developers known as the Open Handset Alliance and commercially sponsored by Google. It was unveiled in November 2007, with the first commercial Android device launched in September 2008.

It is free and open source software; its source code is known as Android Open Source Project (AOSP), which is primarily licensed under the Apache License. However most Android devices ship with additional proprietary software pre-installed, most notably Google Mobile Services (GMS) which includes core apps such as Google Chrome, the digital distribution platform Google Play and associated Google Play Services development platform. About 70 percent of Android smartphones run Google's ecosystem; competing Android ecosystems and forks include Fire OS (developed by Amazon) or LineageOS. However, the "Android" name and logo are trademarks of Google which impose standards to restrict "uncertified" devices outside their ecosystem to use Android branding.

The source code has been used to develop variants of Android on a range of other electronics, such as game consoles, digital cameras, portable media players, PCs and others, each with a specialized user interface. Some well-known derivatives include Android TV for televisions and Wear OS for wearables, both developed by Google. Software packages on Android, which use the APK format, are generally distributed through proprietary application stores like Google Play Store, Samsung Galaxy Store, and Huawei AppGallery, or open source platforms like Aptoide or F-Droid.



Fig 3.4: Android Device

CHAPTER NO 4

IMPLEMENTATION AND METHODOLOGY

4.1 METHODOLOGY

Step 1: Go to developer.android.com/AndroidStudio/Download and download the installation file of Android Studio. Open the file and click on Next.

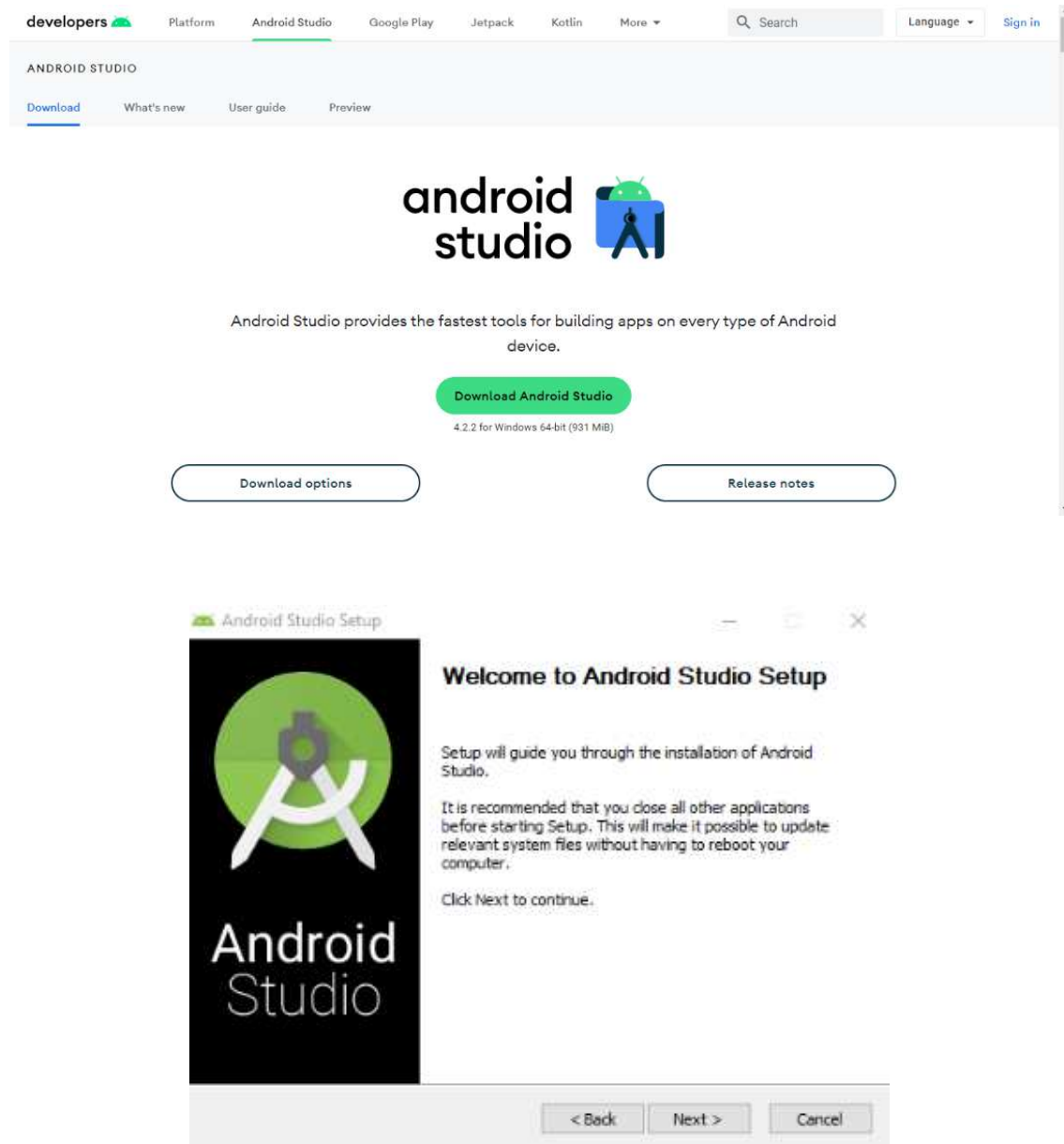
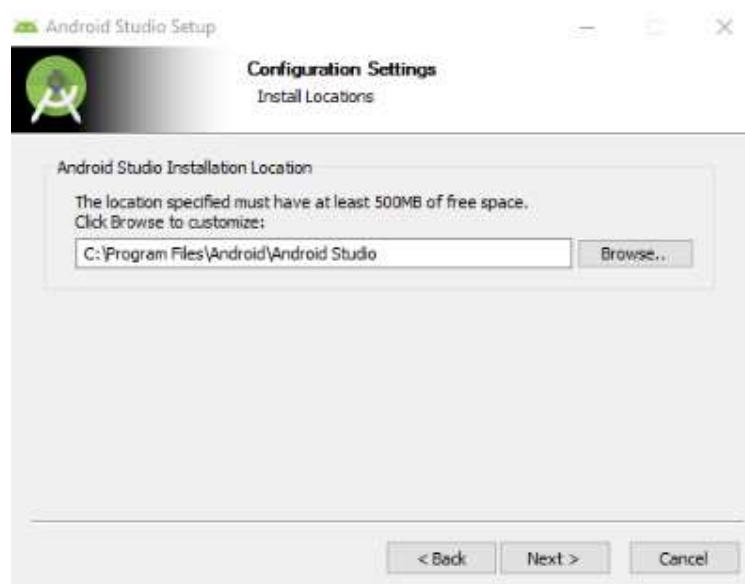
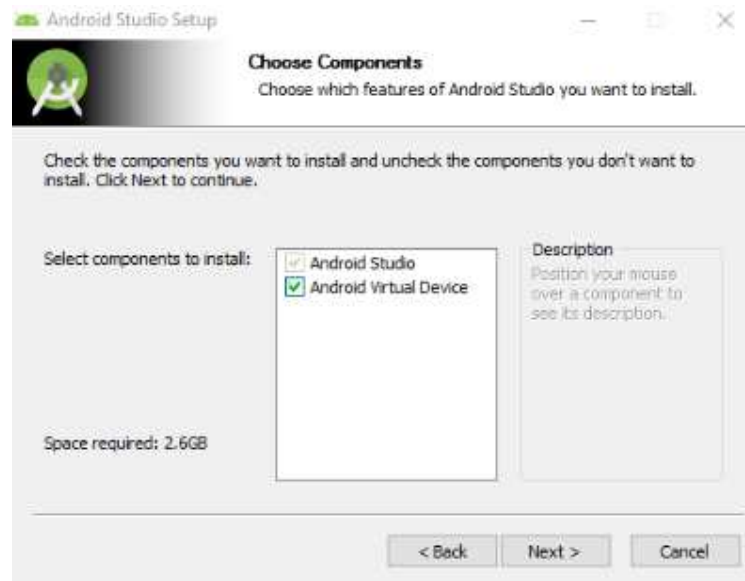
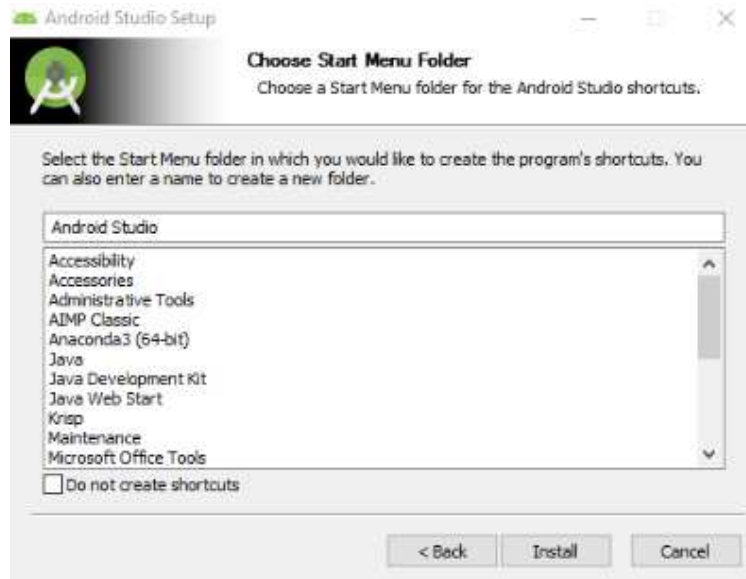


Fig 4.1: Downloading Android Studio

Step 2: Configure everything according to your requirements and then click on install.





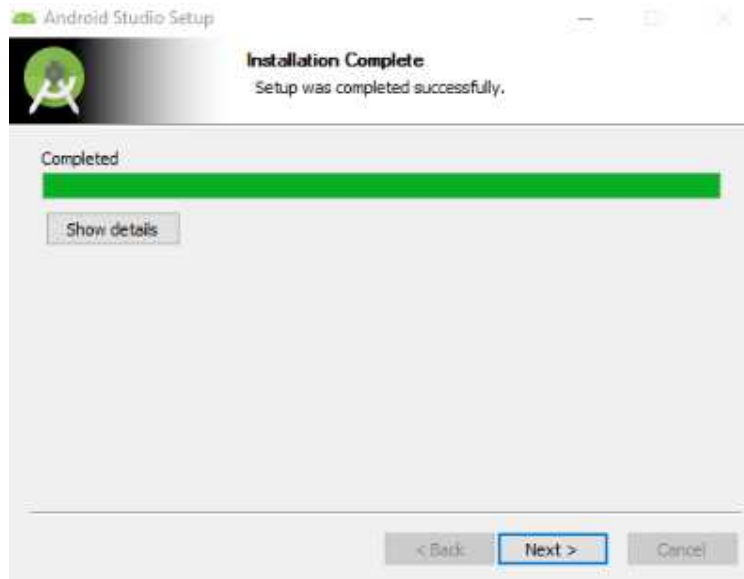


Fig 4.2: Configuring and Installing Android Studio

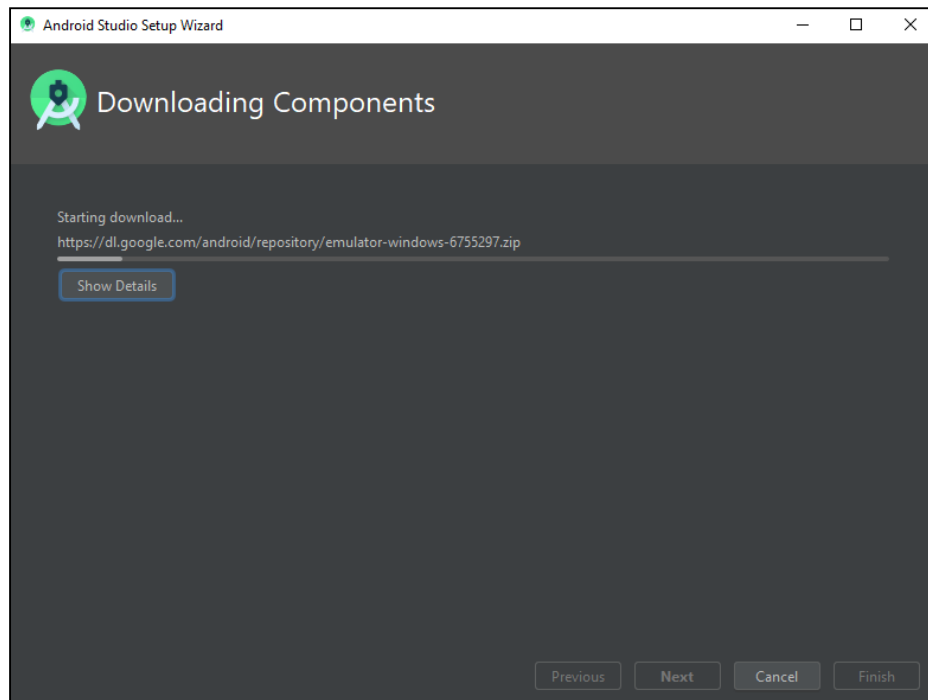


Fig 4.3: Downloading Components 1

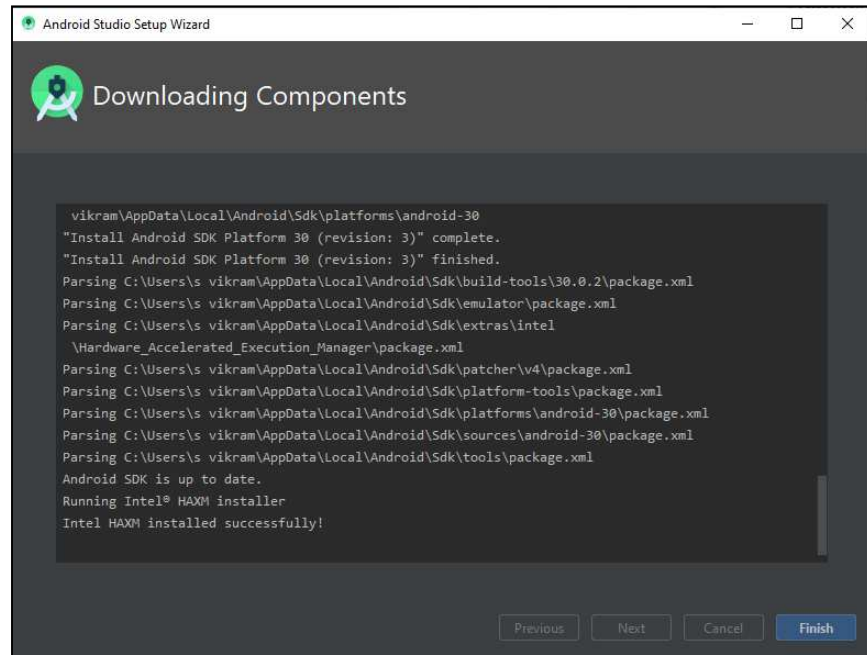


Fig 4.4: Downloading Components 2

Step 3: After the installation completes launch the Android Studio and click on Start a New Project



Fig 4.5: Start new project

Step 4: Choose the type of activity, in our case, Empty Activity

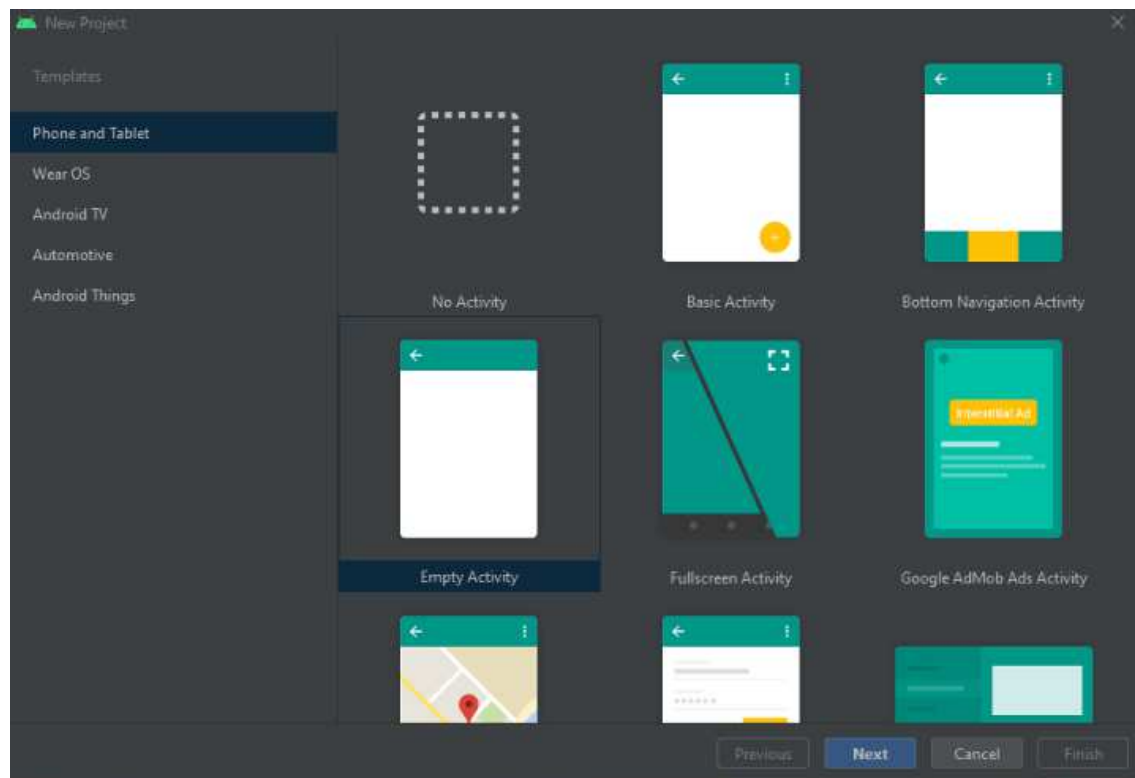


Fig 4.6: Empty Activity

Step 5: Enter the credentials of your project

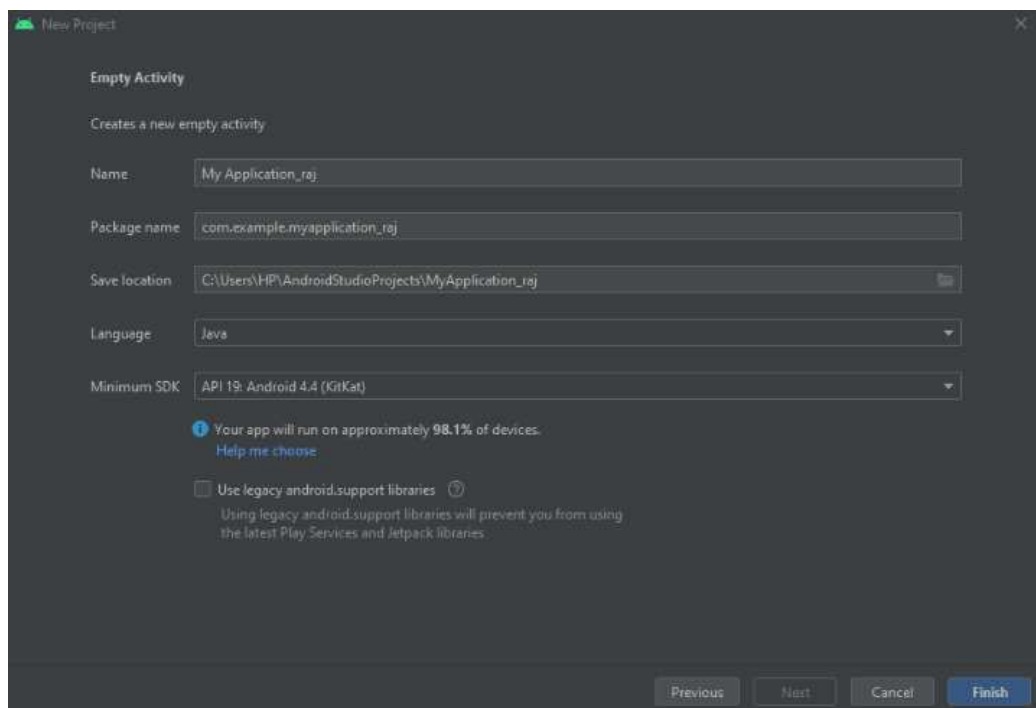


Fig 4.7: Configure project

Step 6: Enter your code in the concerned files. In our case, default code works just fine.

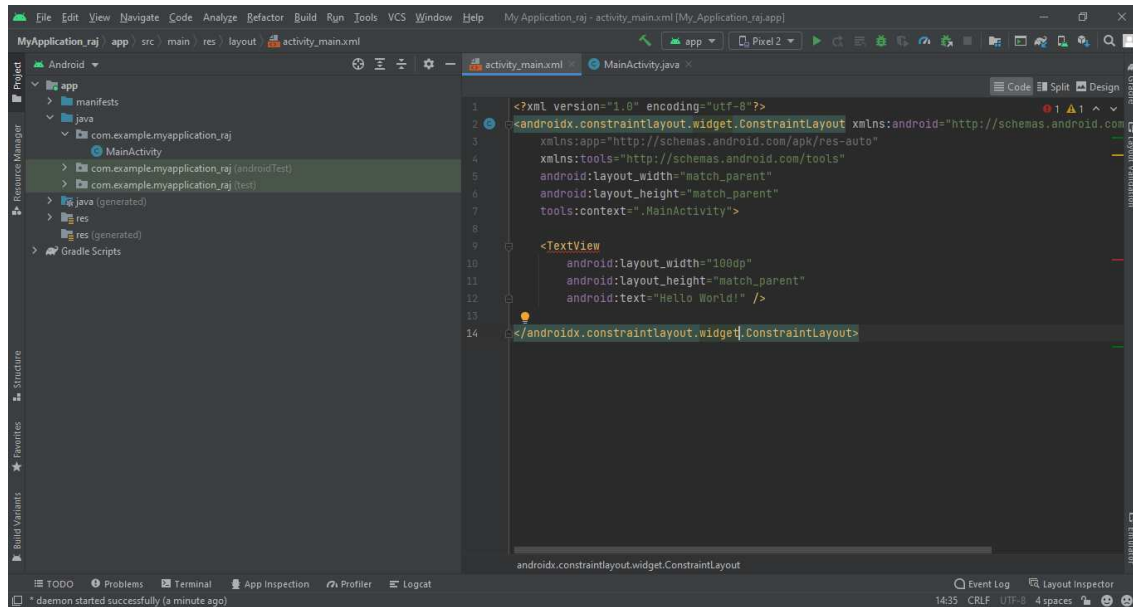


Fig 4.8: Default Screen

Step 7: Create a Virtual Device, choose device definition and select system image. Verify your selected configurations and click Finish.

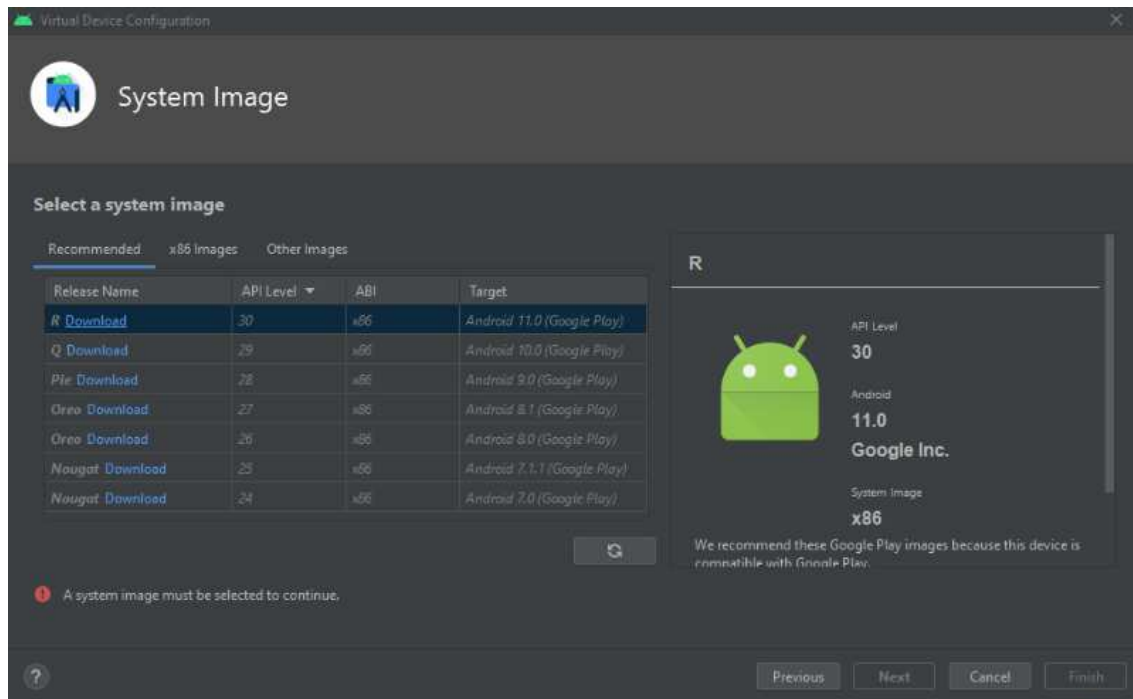


Fig 4.9: Configure virtual device

Step 8: Select your Virtual Device for deploying your android application.

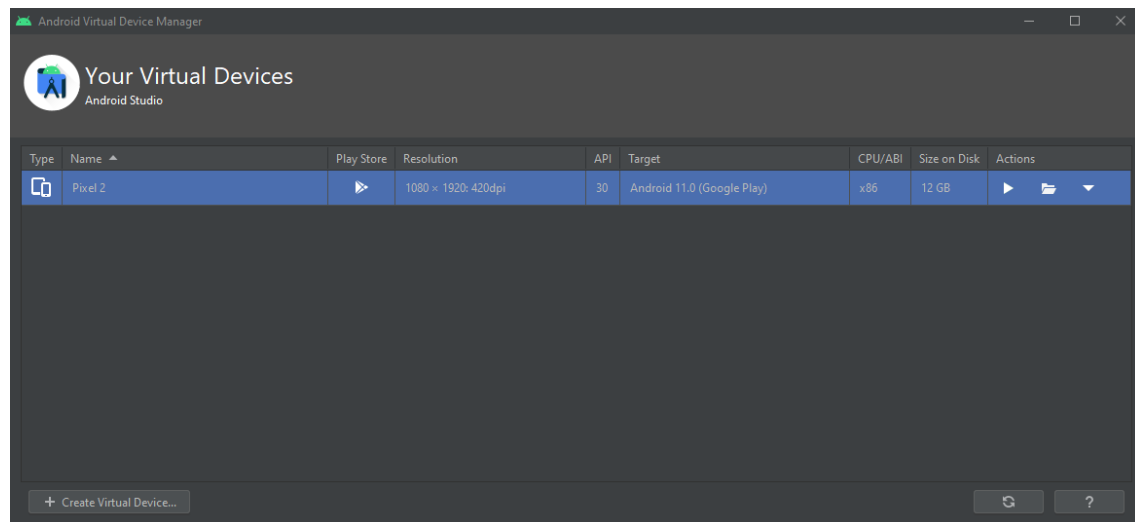


Fig 4.10: Select virtual device

Step 9: Now add all the components for the project (i.e. the code for each component and run it)

1. Welcome Page of The App:

In this page, the company name appears for few seconds i.e. Uphealth.

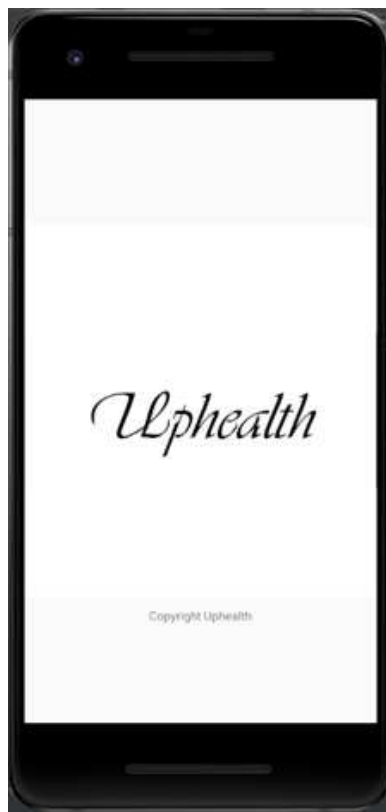
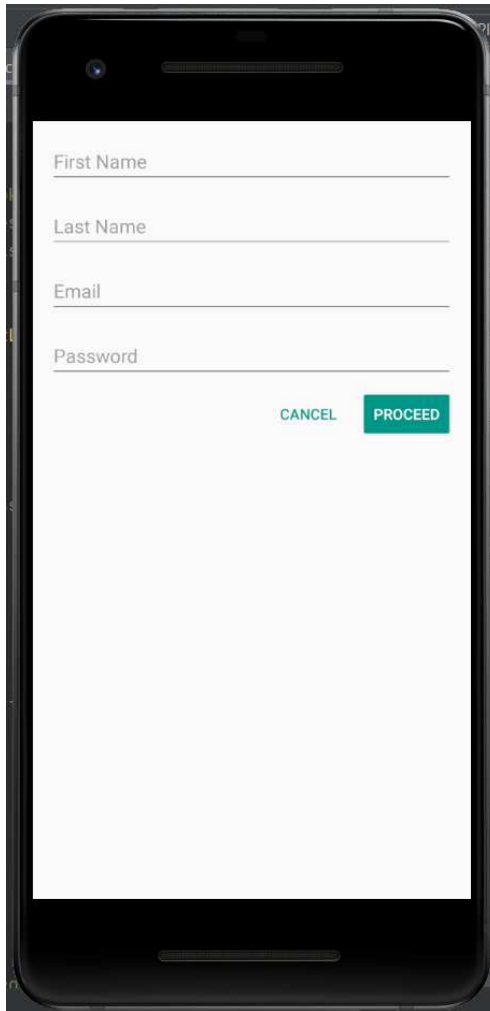


Fig 4.11: Welcome page

2. Signup page

This page is used for a new user to signup on the application. Name, email address and password are collected which in turn will also be used for logging into the application.



First Name

Last Name

Email

Password

CANCEL PROCEED

Fig 4.12: Signup page

3. Login in Page

This page is used for the registered users to login into the application via the email address and password used during the registration.

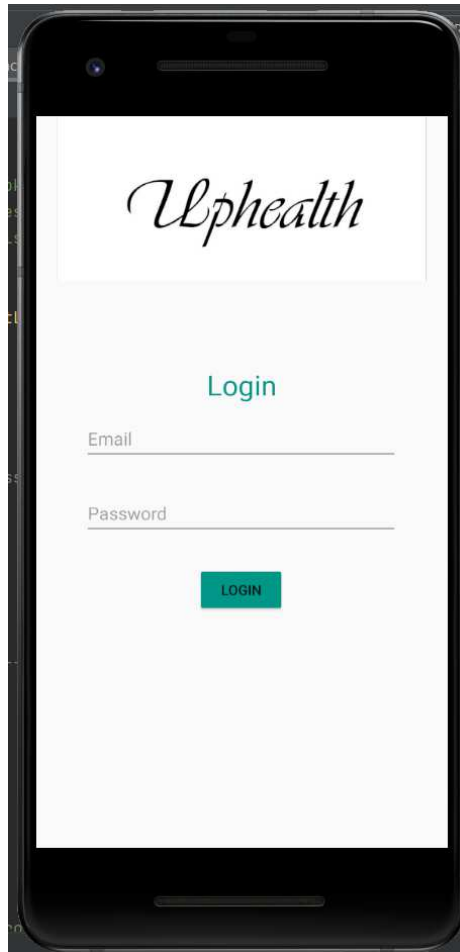


Fig 4.13: Login page

4. Home page

After successful login, a user is directed to the home page of the app. This is the main screen of the application where all the products can be viewed by a user available on the website for sale. All the products are categorized according to the type of disease. Additionally, products listed also have a small description along with their prices.

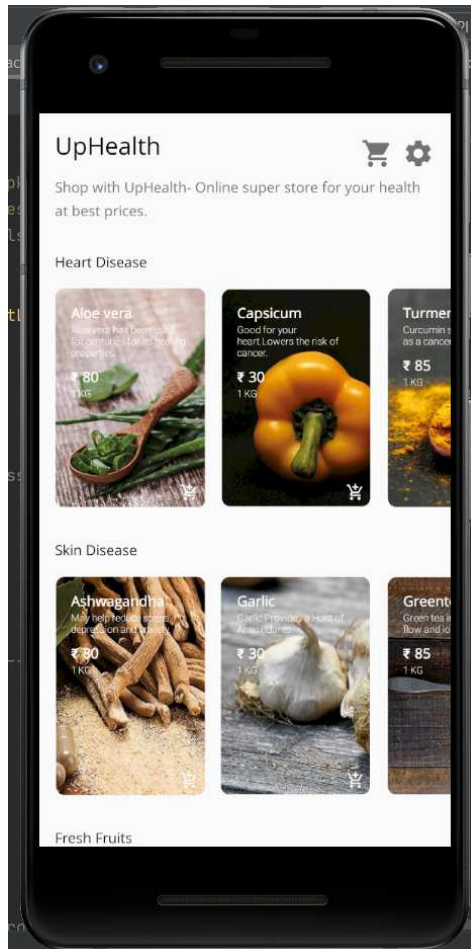


Fig 4.14: Home page

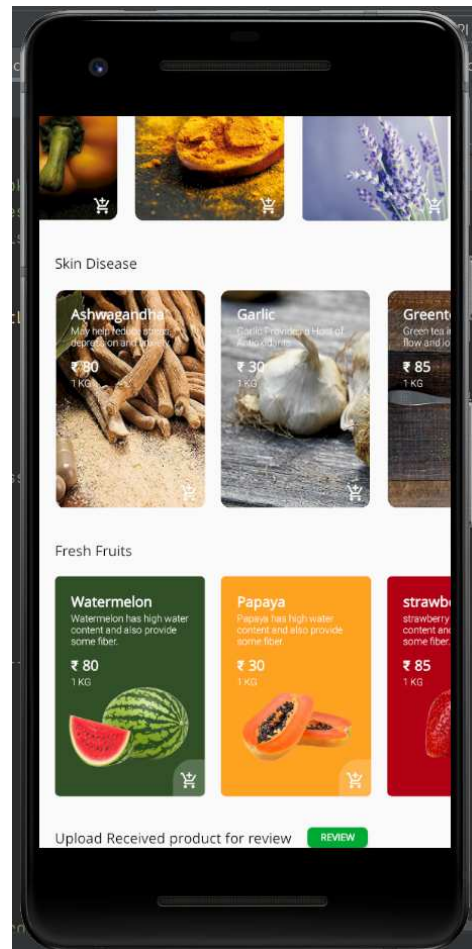


Fig 4.15: Home page

5. Product Details

On clicking of any of the product cards on the home screen, it will direct you to the product details page where the complete product details of an individual product can be viewed. At the bottom of the product details page, there is a buy now button using which a user can purchase the desired products. If the user wishes to go back to the main screen/home screen he/she can use the back button on the top left corner which will redirect them back to the home screen.

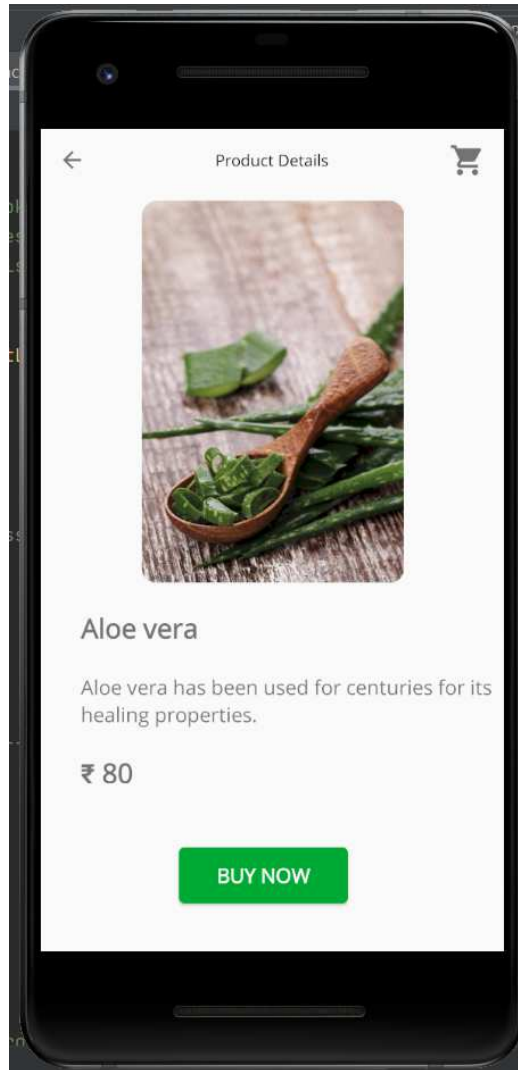
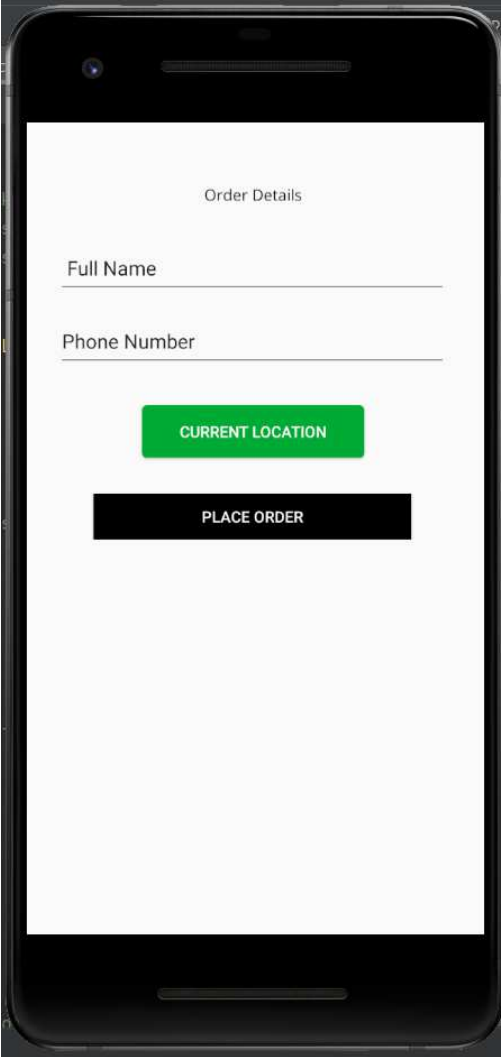


Fig 4.16: Product details

6. Order details

After clicking on the buy now button on the product details page, user will be directed to the order page where he/she can provide the required details and order the product he/she requires. There is also a current location button which is used to get the current location of the user so that one does not have to type in their address. After all the details are added, the user can click on the place order button to successfully place their order.



Order Details

Full Name

Phone Number

CURRENT LOCATION

PLACE ORDER

Fig 4.17: Order details

7. Review page

On this page the user can upload the picture of the products for reviews or if they have complaint regarding the same.

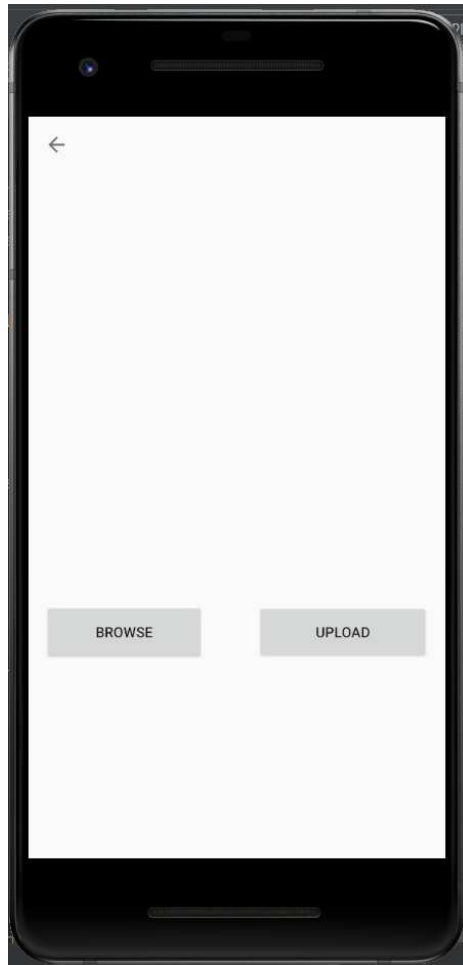


Fig 4.18: Review page

4.2 CODE

JAVA FILES

MainActivity.java

```
package com.example.uphealth;

import androidx.appcompat.app.AppCompatActivity;

import androidx.recyclerview.widget.LinearLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.ImageView;

import com.example.uphealth.adapter.CategoryAdapter;

import com.example.uphealth.adapter.DiscountedProductAdapter;

import com.example.uphealth.adapter.RecentlyViewedAdapter;

import com.example.uphealth.model.Category;

import com.example.uphealth.model.DiscountedProducts;

import com.example.uphealth.model.RecentlyViewed;

import java.util.ArrayList;

import java.util.List;

public class MainActivity extends AppCompatActivity {

    RecyclerView discountedRecyclerView, categoryRecyclerView , recentlyViewedRecycler;

    DiscountedProductAdapter discountedProductAdapter;

    RecentlyViewedAdapter recentlyViewedAdapter;

    List<DiscountedProducts> discountedProductsList;

    List<RecentlyViewed> recentlyViewedList;
```

```

CategoryAdapter categoryAdapter;

List<Category> categoryList;

Button buyNow;

@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_main);

    buyNow = findViewById(R.id.btnBuyNow);

recentlyViewedRecycler =findViewById(R.id.recently_items);

    //adding data to model

    recentlyViewedList =new ArrayList<>();

    recentlyViewedList.add(new RecentlyViewed("Aloe vera","Aloe vera has been used for
centuries for its healing properties.", "₹
80","1","KG",R.drawable.aloevera,R.drawable.aloevera));

    recentlyViewedList.add(new RecentlyViewed("Capsicum","Good for your heart.Lowers
the risk of cancer.", "₹ 30","1","KG",R.drawable.capsicum,R.drawable.capsicum));

    recentlyViewedList.add(new RecentlyViewed("Turmeric","Curcumin shows promise as
a cancer treatment.", "₹ 85","1","KG",R.drawable.tumeric,R.drawable.tumeric));

    recentlyViewedList.add(new RecentlyViewed("Lavender","Reduce Blood Pressure and
Heart Rate.", "₹ 40","1","Pcs",R.drawable.lavender,R.drawable.lavender));

    setRecentlyRecycler();

    recentlyViewedRecycler =findViewById(R.id.recently_itemss);

    //adding data to model

    recentlyViewedList =new ArrayList<>();

    recentlyViewedList.add(new RecentlyViewed("Ashwagandha","May help reduce stress,
depression and anxiety.", "₹ 80","1","KG",R.drawable.aswagandha,R.drawable.aswagandha));

    recentlyViewedList.add(new RecentlyViewed("Garlic","Garlic Provides a Host of
Antioxidants.", "₹ 30","1","KG",R.drawable.garlic,R.drawable.garlic));

    recentlyViewedList.add(new RecentlyViewed("Greentea","Green tea improves blood
flow and lower cholesterol.", "₹ 85","1","KG",R.drawable.greentea,R.drawable.greentea));

```

```

        recentlyViewedList.add(new RecentlyViewed("Parsley", "Fights infections and protects
your skin.", "₹ 40", "1", "Pcs", R.drawable.parsely, R.drawable.parsely));

        setRecentlyRecycler();

        recentlyViewedRecycler = findViewById(R.id.recently_itemsss);

        //adding data to model

        recentlyViewedList = new ArrayList<>();

        recentlyViewedList.add(new RecentlyViewed("Watermelon", "Watermelon has high
water content and also provide some fiber.", "₹ 80", "1", "KG", R.drawable.card4,
R.drawable.b4));

        recentlyViewedList.add(new RecentlyViewed("Papaya", "Papaya has high water content
and also provide some fiber.", "₹ 30", "1", "KG", R.drawable.card3, R.drawable.b3));

        recentlyViewedList.add(new RecentlyViewed("strawberry", "strawberry has high water
content and also provide some fiber.", "₹ 85", "1", "KG", R.drawable.card2, R.drawable.b1));

        recentlyViewedList.add(new RecentlyViewed("Kiwi", "Kiwi has high water content and
also provide some fiber.", "₹ 40", "1", "Pcs", R.drawable.card1, R.drawable.b2));

        setRecentlyRecycler();

        buynow.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent intent = new Intent(MainActivity.this, MainActivity_upload.class);

                startActivity(intent);

            }

        });

        private void setRecentlyRecycler() {

            RecyclerView.LayoutManager layoutManager=new
LinearLayoutManager(this,RecyclerView.HORIZONTAL,false);

            recentlyViewedRecycler.setLayoutManager(layoutManager);

            recentlyViewedAdapter = new RecentlyViewedAdapter(this,recentlyViewedList);

```

```

        recentlyViewedRecycler.setAdapter(recentlyViewedAdapter);
    }
}
}

```

MainActivity_signup.java

```

package com.example.uphealth;

import android.content.Intent;
import android.graphics.Bitmap;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

import java.util.HashMap;

public class MainActivity_signup extends AppCompatActivity {

    // two buttons
    Button bCancel, bProceed;

    // four text fields
    EditText etFirstName, etLastName, etEmail, etPassword;
    Bitmap bitmap;

    // one boolean variable to check whether all the text fields
    // are filled by the user, properly or not.
    boolean isAllFieldsChecked = false;

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

        // register buttons with their proper IDs.
        bProceed = findViewById(R.id.proceedButton);
        bCancel = findViewById(R.id.cancelButton);
    }
}

```

```

// register all the EditText fields with their IDs.
etFirstName = findViewById(R.id.firstName);
etLastName = findViewById(R.id.lastName);
etEmail = findViewById(R.id.email);
etPassword = findViewById(R.id.password);

// handle the PROCEED button
bProceed.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {

        // store the returned value of the dedicated function which checks
        // whether the entered data is valid or if any fields are left blank.
        isAllFieldsChecked = CheckAllFields();

        // the boolean variable turns to be true then
        // only the user must be proceed to the activity2
        if (isAllFieldsChecked) {
            Intent i = new Intent(MainActivity_signup.this, MainActivity_login.class);
            startActivity(i);

        }
    }
});

// if user presses the cancel button then close the
// application or the particular activity.
bCancel.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        MainActivity_signup.this.finish();
        System.exit(0);
    }
});
}

// function which checks all the text fields
// are filled or not by the user.
// when user clicks on the PROCEED button
// this function is triggered.
private boolean CheckAllFields() {

    if (etFirstName.length() == 0) {

```

```

        etFirstName.setError("This field is required");
        return false;
    }

    if (etLastName.length() == 0) {
        etLastName.setError("This field is required");
        return false;
    }

    if (etEmail.length() == 0) {
        etEmail.setError("Email is required");
        return false;
    }

    if (etPassword.length() == 0) {
        etPassword.setError("Password is required");
        return false;
    } else if (etPassword.length() < 8) {
        etPassword.setError("Password must be minimum 8 characters");
        return false;
    }
    return true;
}

}

```

MainActivity_login.java

```

package com.example.uphealth;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.Button;
import android.widget.Toast;

public class MainActivity_login extends AppCompatActivity {
    Button b;

    @Override
    protected void onCreate(Bundle savedInstanceState) {

```

```

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main_login);
        b = findViewById(R.id.toast);

        EditText emailEditText = (android.widget.EditText) findViewById(R.id.email);
        String email = emailEditText.getText().toString();

        EditText passwordEditText = (android.widget.EditText) findViewById(R.id.password);
        String password = passwordEditText.getText().toString();

    }

    public void submitButtonHandler(View view) {
        Toast.makeText(getApplicationContext(), "Login Successful!",
        Toast.LENGTH_SHORT).show();
        //Decide what happens when the user clicks the submit button
        Intent intent = new Intent(this, MainActivity.class);
        startActivity(intent);
    }
}

```

SplashActivity.java

```

package com.example.uphealth;

import androidx.appcompat.app.AppCompatActivity;

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

public class SplashActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash);
        Handler handler=new Handler();
        handler.postDelayed(new Runnable() {
            @Override
            public void run() {
                Intent intent=new Intent(SplashActivity.this,MainActivity_signup.class);
                startActivity(intent);
            }
        }, 2000);
    }
}

```

```
    }  
    },2500);  
    }  
}
```

ProductDetails.java

```
package com.example.uphealth;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
  
import android.os.Bundle;  
  
import android.view.View;  
  
import android.widget.Button;  
  
import android.widget.ImageView;  
  
import android.widget.TextView;  
  
  
  
public class ProductDetails extends AppCompatActivity {  
  
    ImageView imageViewProduct, imageViewBack;  
  
    TextView txtName, txtDesc, txtPrice;  
  
    Button buynow;  
  
  
    @Override  
  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_product_details);  
  
  
        buynow = findViewById(R.id.btnBuyNow);  
  
  
  
        Intent i = getIntent();  
        String name = i.getStringExtra("name");  
        String desc = i.getStringExtra("desc");  
        String price = i.getStringExtra("price");
```



```

int image = i.getIntExtra("image", R.drawable.b1);
txtName = findViewById(R.id.lblPName);
txtDesc = findViewById(R.id.lblPDesc);
txtPrice = findViewById(R.id.lblPPrice);
imageViewProduct = findViewById(R.id.imgProduct);
imageViewBack = findViewById(R.id.imgBack);
txtName.setText(name);
txtPrice.setText(price);
txtDesc.setText(desc);
imageViewProduct.setImageResource(image);
imageViewBack.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(ProductDetails.this, MainActivity.class);
        startActivity(intent);
        finish();
    }
});
buynow.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(ProductDetails.this, Cart.class);
        startActivity(intent);
    }
});
}
}

```

Categories.java

```

package com.example.uphealth;

```

```

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import com.example.uphealth.adapter.CategoryAdapter;
import com.example.uphealth.adapter.DiscountedProductAdapter;
import com.example.uphealth.adapter.RecentlyViewedAdapter;
import com.example.uphealth.model.Category;
import com.example.uphealth.model.DiscountedProducts;
import com.example.uphealth.model.RecentlyViewed;
import java.util.ArrayList;
import java.util.List;

```

```

public class Categories extends AppCompatActivity {
    RecyclerView recentlyViewedRecycler;
    DiscountedProductAdapter discountedProductAdapter;
    RecentlyViewedAdapter recentlyViewedAdapter;
    List<DiscountedProducts> discountedProductsList;
    List<RecentlyViewed> recentlyViewedList;
    ImageView allCategoryImageView;

```

@Override

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.heartdisease);
    recentlyViewedRecycler = findViewById(R.id.recently_itemss);
    //adding data to model
    recentlyViewedList = new ArrayList<>();
    recentlyViewedList.add(new RecentlyViewed("Watermelon", "Watermelon has high
water content and also provide some fiber.", "₹ 80", "1", "KG", R.drawable.aloevera,
R.drawable.aloevera));
    recentlyViewedList.add(new RecentlyViewed("Papaya", "Papaya has high water content
and also provide some fiber.", "₹ 30", "1", "KG", R.drawable.capsicum,
R.drawable.capsicum));
    recentlyViewedList.add(new RecentlyViewed("strawberry", "strawberry has high water
content and also provide some fiber.", "₹ 85", "1", "KG", R.drawable.tumeric,
R.drawable.b1));
    recentlyViewedList.add(new RecentlyViewed("Kiwi", "Kiwi has high water content and
also provide some fiber.", "₹ 40", "1", "Pcs", R.drawable.lavender, R.drawable.b2));
    setRecentlyRecycler();

```

```

    }

    private void setRecentlyRecycler() {
        RecyclerView.LayoutManager layoutManager = new LinearLayoutManager(this,
RecyclerView.HORIZONTAL, false);
        recentlyViewedRecycler.setLayoutManager(layoutManager);
        recentlyViewedAdapter = new RecentlyViewedAdapter(this, recentlyViewedList);
        recentlyViewedRecycler.setAdapter(recentlyViewedAdapter);
    }

}

```

Cart.java

```

package com.example.uphealth;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class Cart extends AppCompatActivity {

    Button cart, maploc;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main_cart);


        cart = findViewById(R.id.button2);

        maploc = findViewById(R.id.button);
    }
}

```

```

        EditText nameEditText = (android.widget.EditText)
findViewById(R.id.editTextTextPersonName);

        String name = nameEditText.getText().toString();

        EditText phoneEditText = (android.widget.EditText)
findViewById(R.id.editTextPhone);

        String phone = phoneEditText.getText().toString();

        cart.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Toast.makeText(getApplicationContext(), "Order Successful!",
Toast.LENGTH_SHORT).show();

                Intent intent = new Intent(Cart.this, MainActivity.class);

                startActivity(intent);

            }

        });

        maploc.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Intent intent = new Intent(Cart.this, MainActivity_map.class);

                startActivity(intent);

            }

        });

    }
}

```

MainActivity_map.java

```

package com.example.uphealth;

import android.Manifest;

```

```
import android.content.pm.PackageManager;

import android.location.Location;

import android.os.Bundle;

import android.view.WindowManager;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.app.ActivityCompat;

import com.google.android.gms.location.FusedLocationProviderClient;

import com.google.android.gms.location.LocationServices;

import com.google.android.gms.maps.CameraUpdateFactory;

import com.google.android.gms.maps.GoogleMap;

import com.google.android.gms.maps.OnMapReadyCallback;

import com.google.android.gms.maps.SupportMapFragment;

import com.google.android.gms.maps.model.LatLng;

import com.google.android.gms.maps.model.MarkerOptions;

import com.google.android.gms.tasks.OnSuccessListener;

import com.google.android.gms.tasks.Task;

import com.karumi.dexter.Dexter;

import com.karumi.dexter.PermissionToken;

import com.karumi.dexter.listener.PermissionDeniedResponse;

import com.karumi.dexter.listener.PermissionGrantedResponse;

import com.karumi.dexter.listener.PermissionRequest;

import com.karumi.dexter.listener.single.PermissionListener;

public class MainActivity_map extends AppCompatActivity {

    SupportMapFragment smf;

    FusedLocationProviderClient client;

    @Override

    protected void onCreate(Bundle savedInstanceState) {
```

```
super.onCreate(savedInstanceState);

setContentView(R.layout.activity_main_map);

getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
WindowManager.LayoutParams.FLAG_FULLSCREEN);
```

```
smf = (SupportMapFragment)
getSupportFragmentManager().findFragmentById(R.id.google_map);

client = LocationServices.getFusedLocationProviderClient(this);
```

```
Dexter.withContext(getApplicationContext())

.withPermission(Manifest.permission.ACCESS_FINE_LOCATION)

.withListener(new PermissionListener() {

    @Override

    public void onPermissionGranted(PermissionGrantedResponse
permissionGrantedResponse) {

        getmylocation();

    }

    @Override

    public void onPermissionDenied(PermissionDeniedResponse
permissionDeniedResponse) {

    }

    @Override

    public void onPermissionRationaleShouldBeShown(PermissionRequest
permissionRequest, PermissionToken permissionToken) {

        permissionToken.continuePermissionRequest();

    }

}).check();

}
```

```

public void getmylocation() {

    if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_FINE_LOCATION) !=
PackageManager.PERMISSION_GRANTED && ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {

        // TODO: Consider calling
        //    ActivityCompat#requestPermissions

        // here to request the missing permissions, and then overriding
        //    public void onRequestPermissionsResult(int requestCode, String[] permissions,
        //                                           int[] grantResults)

        // to handle the case where the user grants the permission. See the documentation
        // for ActivityCompat#requestPermissions for more details.

        return;
    }
}

```

```

Task<Location> task = client.getLastLocation();

task.addOnSuccessListener(new OnSuccessListener<Location>() {

    @Override

    public void onSuccess(final Location location) {

        smf.getMapAsync(new OnMapReadyCallback() {

            @Override

            public void onMapReady(GoogleMap googleMap) {

                LatLng latLng=new LatLng(location.getLatitude(),location.getLongitude());

                MarkerOptions markerOptions=new
MarkerOptions().position(latLng).title("You are here...!!");

                googleMap.addMarker(markerOptions);
                googleMap.animateCamera(CameraUpdateFactory.newLatLngZoom(latLng,17));

            }
        }
    }
}

```

```
        });  
    }  
});  
}  
}
```

MainActivity_upload.java

```
package com.example.uphealth;  
  
import android.Manifest;  
  
import android.app.ProgressDialog;  
  
import android.content.Intent;  
  
import android.graphics.Bitmap;  
  
import android.graphics.BitmapFactory;  
  
import android.net.Uri;  
  
import android.os.Bundle;  
  
import android.view.View;  
  
import android.widget.Button;  
  
import android.widget.ImageView;  
  
import android.widget.Toast;  
  
  
  
import androidx.annotation.Nullable;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
  
  
import com.google.android.gms.tasks.OnSuccessListener;  
  
import com.google.firebase.storage.FirebaseStorage;  
  
import com.google.firebase.storage.OnProgressListener;  
  
import com.google.firebase.storage.StorageReference;  
  
import com.google.firebase.storage.UploadTask;
```



```
import com.karumi.dexter.Dexter;
import com.karumi.dexter.PermissionToken;
import com.karumi.dexter.listener.PermissionDeniedResponse;
import com.karumi.dexter.listener.PermissionGrantedResponse;
import com.karumi.dexter.listener.PermissionRequest;
import com.karumi.dexter.listener.single.PermissionListener;
```

```
import java.io.InputStream;
import java.util.Random;
```

```
public class MainActivity_upload extends AppCompatActivity
{
    ImageView img, imageViewBack;
    Button browse, upload;
    Uri filepath;
    Bitmap bitmap;

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

        imageViewBack = findViewById(R.id.imgBack);

        img=(ImageView)findViewById(R.id.imageView);
        upload=(Button)findViewById(R.id.upload);
```

```

browse=(Button)findViewById(R.id.browse);

browse.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View view)

    {

        Dexter.withActivity(MainActivity_upload.this)

            .withPermission(Manifest.permission.READ_EXTERNAL_STORAGE)

            .withListener(new PermissionListener() {

                @Override

                public void onPermissionGranted(PermissionGrantedResponse
response)

                {

                    Intent intent=new Intent(Intent.ACTION_PICK);

                    intent.setType("image/*");

                    startActivityForResult(Intent.createChooser(intent,"Please select
Image"),1);

                }

                @Override

                public void onPermissionDenied(PermissionDeniedResponse response)

                {

                }

                @Override

                public void onPermissionRationaleShouldBeShown(PermissionRequest
permission, PermissionToken token) {

```

```
        token.continuePermissionRequest();  
    }  
}).check();
```

```
    }  
});
```

```
upload.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View view) {
```

```
        uploadtofirebase();
```

```
    }
```

```
});
```

```
imageViewBack.setOnClickListener(new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View view) {
```

```
        Intent intent = new Intent(MainActivity_upload.this, MainActivity.class);
```

```
        startActivity(intent);
```

```
        finish();
```

```
    }
```

```
});
```

```
}
```

```
@Override
```

```
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data)
```

```

{
    if(requestCode==1 && resultCode==RESULT_OK)
    {
        filepath=data.getData();

        try
        {
            InputStream inputStream=getContentResolver().openInputStream(filepath);

            bitmap= BitmapFactory.decodeStream(inputStream);

            img.setImageBitmap(bitmap);

        }catch (Exception ex)
        {

        }

    }

    super.onActivityResult(requestCode, resultCode, data);
}

private void uploadtofirebase()
{
    final ProgressDialog dialog=new ProgressDialog(this);

    dialog.setTitle("File Uploader");

    dialog.show();

    FirebaseStorage storage=FirebaseStorage.getInstance();

    StorageReference uploader=storage.getReference().child("image1"+new
Random().nextInt(50));

    uploader.putFile(filepath)

        .addOnSuccessListener(new OnSuccessListener<UploadTask.TaskSnapshot>()
        {

            @Override

```

```

        public void onSuccess(UploadTask.TaskSnapshot taskSnapshot)
        {
            dialog.dismiss();

            Toast.makeText(getApplicationContext(),"File
Uploaded",Toast.LENGTH_LONG).show();
        }
    })

    .addOnProgressListener(new OnProgressListener<UploadTask.TaskSnapshot>() {
        @Override
        public void onProgress(UploadTask.TaskSnapshot taskSnapshot)
        {
            float
percent=(100*taskSnapshot.getBytesTransferred())/taskSnapshot.getTotalByteCount();
            dialog.setMessage("Uploaded :"+(int)percent+" %");
        }
    });
}
}

```

XML FILES

Activity_main.xml

```

<?xml version="1.0" encoding="utf-8"?>

<ScrollView

    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="fill_parent"

    android:layout_height="fill_parent">

    <androidx.constraintlayout.widget.ConstraintLayout

```

```
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">
```

```
<TextView
```

```
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:fontFamily="@font/open_sans"
    android:text="@string/uphealth"
    android:textColor="@android:color/background_dark"
    android:textSize="24sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<ImageView
```

```
    android:id="@+id/imageView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="9dp"
    app:layout_constraintBottom_toBottomOf="@+id/imageView2"
    app:layout_constraintEnd_toStartOf="@+id/imageView2"
    app:layout_constraintTop_toTopOf="@+id/imageView2"
    app:srcCompat="@drawable/ic_shopping_cart" />
```

<ImageView

```
    android:id="@+id/imageView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="16dp"
    app:layout_constraintBottom_toBottomOf="@+id/textView"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="@+id/textView"
    app:srcCompat="@drawable/ic_account_settings" />
```

<TextView

```
    android:id="@+id/textView2"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="16dp"
    android:fontFamily="@font/open_sans"
    android:lineSpacingExtra="4sp"
```

```
    android:text="@string/shop_with_uphealth_online_super_store_for_your_health_at_best_prices"
```

```
    android:textColor="#717171"
    android:textSize="14sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
```

<TextView

```
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:fontFamily="@font/open_sans"
    android:text="Select Categories"
    android:textColor="@android:color/background_dark"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/discountedRecycler" />
```

<androidx.recyclerview.widget.RecyclerView

```
    android:id="@+id/catagoryRecycler"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4" />
```

<ImageView

```
    android:id="@+id/allCategoryImage"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="16dp"
    app:layout_constraintBottom_toBottomOf="@+id/textView4"
```



```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="@+id/textView4"
app:srcCompat="@android:drawable/ic_menu_sort_by_size" />
```

-->

<TextView

```
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="32dp"
    android:fontFamily="@font/open_sans"
    android:text="Heart Disease"
    android:textColor="@android:color/background_dark"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView2" />
```

<androidx.recyclerview.widget.RecyclerView

```
    android:id="@+id/recently_items"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

<TextView

```
    android:id="@+id/textView8"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginStart="16dp"
android:layout_marginTop="32dp"
android:fontFamily="@font/open_sans"
android:text="Skin Disease"
android:textColor="@android:color/background_dark"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/recently_items" />
```

```
<androidx.recyclerview.widget.RecyclerView
```

```
    android:id="@+id/recently_itemss"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView8" />
```

```
<TextView
```

```
    android:id="@+id/textView9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="32dp"
    android:fontFamily="@font/open_sans"
    android:text="Fresh Fruits"
```

```
android:textColor="@android:color/background_dark"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/recently_itemss" />
```

```
<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/recently_itemsss"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView9" />
```

```
<TextView
    android:id="@+id/textView10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="32dp"
    android:fontFamily="@font/open_sans"
    android:text="Upload Received product for review"
    android:textColor="@android:color/background_dark"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/recently_itemsss" />
```

```
<Button
    android:id="@+id/btnBuyNow"
```

```

        android:layout_width="60dp"
        android:layout_height="20dp"
        android:layout_marginStart="16dp"
        android:layout_marginTop="32dp"
        android:background="@drawable/buy_now_bg"
        android:fontFamily="@font/open_sans"
        android:text="Review"
        android:textColor="@color/white"
        android:textSize="10sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toEndOf="@+id/textView10"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="1.0" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</ScrollView>

```

Activity_splash.xml

```

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

    <ImageView
        android:id="@+id/imgLogo"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/logo"
    >

```

```
android:layout_centerInParent="true"
android:background="@color/white"/>
```

```
<TextView
    android:id="@+id/message"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/imgLogo"
    android:layout_centerInParent="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="13dp"
    android:text="@string/designed_by_uphealth" />
```

```
</RelativeLayout>
```

Recently_viewed_items.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:id="@+id/recently_layout"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content">
```

```
<ImageView
    android:id="@+id/imageView5"
    android:layout_width="150dp"
    android:layout_height="220dp"
    android:layout_marginStart="16dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:srcCompat="@drawable/card2" />
```

```
<TextView
    android:id="@+id/lblUnit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="2dp"
    android:fontFamily="sans-serif-light"
    android:text="Unit"
    android:textColor="@android:color/background_light"
    android:textSize="10sp"
```

```
app:layout_constraintBottom_toBottomOf="@+id/lblQty"  
app:layout_constraintStart_toEndOf="@+id/lblQty"  
app:layout_constraintTop_toTopOf="@+id/lblQty" />
```

```
<TextView  
    android:id="@+id/lblProductrName"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="16dp"  
    android:layout_marginTop="16dp"  
    android:fontFamily="@font/open_sans"  
    android:text="Product Name"  
    android:textColor="@android:color/background_light"  
    android:textStyle="bold"  
    app:layout_constraintStart_toStartOf="@+id/imageView5"  
    app:layout_constraintTop_toTopOf="@+id/imageView5" />
```

```
<TextView  
    android:id="@+id/lblPrice"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="16dp"  
    android:layout_marginTop="8dp"  
    android:fontFamily="@font/open_sans"  
    android:text="Price"  
    android:textColor="@android:color/background_light"  
    android:textStyle="bold"  
    app:layout_constraintStart_toStartOf="@+id/imageView5"  
    app:layout_constraintTop_toBottomOf="@+id/lblDescr" />
```

```
<TextView  
    android:id="@+id/lblDescr"  
    android:layout_width="0dp"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="16dp"  
    android:layout_marginEnd="16dp"  
    android:fontFamily="sans-serif-light"  
    android:text="Description"  
    android:textColor="@android:color/background_light"  
    android:textSize="10sp"  
    app:layout_constraintEnd_toEndOf="@+id/imageView5"  
    app:layout_constraintStart_toStartOf="@+id/imageView5"  
    app:layout_constraintTop_toBottomOf="@+id/lblProductrName" />
```

```

<TextView
    android:id="@+id/lblQty"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:fontFamily="sans-serif-light"
    android:text="Qty"
    android:textColor="@android:color/background_light"
    android:textSize="10sp"
    app:layout_constraintStart_toStartOf="@+id/imageView5"
    app:layout_constraintTop_toBottomOf="@+id/lblPrice" />

<ImageView
    android:id="@+id/imageView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="4dp"
    android:layout_marginBottom="4dp"
    app:layout_constraintBottom_toBottomOf="@+id/imageView5"
    app:layout_constraintEnd_toEndOf="@+id/imageView5"
    app:srcCompat="@drawable/ic_cart" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

Activity_product_details.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=".ProductDetails">

    <ImageView
        android:id="@+id/imgBack"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/ic_back" />

```

```
<ImageView
    android:id="@+id/imageView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="16dp"
    app:layout_constraintBottom_toBottomOf="@+id/imgBack"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="@+id/imgBack"
    app:srcCompat="@drawable/ic_shopping_cart" />
```

```
<TextView
    android:id="@+id/textView7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="@font/open_sans"
    android:text="Product Details"
    android:textColor="@android:color/background_dark"
    app:layout_constraintBottom_toBottomOf="@+id/imgBack"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/imgBack" />
```

```
<ImageView
    android:id="@+id/imgProduct"
    android:layout_width="340dp"
    android:layout_height="340dp"
    android:layout_marginTop="24dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imgBack"
    app:srcCompat="@drawable/b1" />
```

```
<TextView
    android:id="@+id/lblPName"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="24dp"
    android:layout_marginEnd="8dp"
    android:fontFamily="@font/open_sans"
    android:text="Product Name"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
```



```
app:layout_constraintStart_toStartOf="@+id/imgProduct"  
app:layout_constraintTop_toBottomOf="@+id/imgProduct" />
```

<TextView

```
    android:id="@+id/lblPDesc"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="24dp"  
    android:layout_marginEnd="8dp"  
    android:fontFamily="@font/open_sans"  
    android:text="Description"  
    android:textSize="18sp"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.0"  
    app:layout_constraintStart_toStartOf="@+id/lblPName"  
    app:layout_constraintTop_toBottomOf="@+id/lblPName" />
```

<Button

```
    android:id="@+id/btnBuyNow"  
    android:layout_width="150dp"  
    android:layout_height="50dp"  
    android:layout_marginEnd="8dp"  
    android:background="@drawable/buy_now_bg"  
    android:fontFamily="@font/open_sans"  
    android:text="Buy Now"  
    android:textColor="@color/white"  
    android:textSize="18sp"  
    android:textStyle="bold"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.24"  
    app:layout_constraintStart_toEndOf="@+id/lblPPrice"  
    app:layout_constraintTop_toTopOf="@+id/lblPPrice"  
    app:layout_constraintVertical_bias="0.662" />
```

<TextView

```
    android:id="@+id/lblPPrice"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="24dp"  
    android:fontFamily="@font/open_sans"  
    android:text="Price"  
    android:textSize="24sp"  
    android:textStyle="bold"
```

```
        app:layout_constraintStart_toStartOf="@+id/lblPDesc"
        app:layout_constraintTop_toBottomOf="@+id/lblPDesc" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_main_signup.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity_signup"
    tools:ignore="HardcodedText">

    <EditText
        android:id="@+id/firstName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="16dp"
        android:hint="First Name"
        android:inputType="text" />

    <EditText
        android:id="@+id/lastName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="16dp"
        android:hint="Last Name"
        android:inputType="text" />

    <EditText
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="16dp"
        android:hint="Email"
```

```
android:inputType="textEmailAddress" />
```

```
<EditText
```

```
    android:id="@+id/password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="16dp"
    android:hint="Password"
    android:inputType="textPassword" />
```

```
<LinearLayout
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:gravity="end"
    android:orientation="horizontal">
```

```
<Button
```

```
    android:id="@+id/cancelButton"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="4dp"
    android:text="CANCEL"
    android:textColor="#009686"
    android:layout_marginRight="4dp" />
```

```
<Button
```

```
    android:id="@+id/proceedButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="16dp"
    android:backgroundTint="#009688"
    android:text="PROCEED"
    android:textColor="@android:color/white"
    tools:ignore="ButtonStyle"
    android:layout_marginRight="16dp" />
```

```
</LinearLayout>
```

```
</LinearLayout>
```

Activity_main_login.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_login">
```

```
<TextView
    android:id="@+id/login"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="250dp"
    android:text="Login"
    android:textColor="#009688"
    android:textSize="28sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.500"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<ImageView
    android:id="@+id/close_activity"
    android:layout_width="wrap_content"
    android:layout_height="166dp"
    android:layout_alignParentRight="true"
    android:layout_marginTop="300dp"
    android:padding="1dp"
    android:src="@drawable/logo"
    tools:layout_editor_absoluteX="1dp"
    tools:layout_editor_absoluteY="100dp"
    tools:ignore="MissingConstraints" />
```

```
<FrameLayout
    android:id="@+id/frameContainer"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:layout_below="@+id/close_activity"
    tools:ignore="MissingConstraints" />
```

```
<EditText
    android:id="@+id/email"
```

```

        android:layout_width="wrap_content"
        android:layout_height="46dp"
        android:layout_marginTop="300dp"
        android:ems="15"
        android:gravity="center_vertical"
        android:hint="Email"
        android:inputType="textEmailAddress"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.494"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

```

<EditText

```

        android:id="@+id/password"
        android:layout_width="wrap_content"
        android:layout_height="46dp"
        android:layout_marginTop="375dp"
        android:ems="15"
        android:gravity="center_vertical"
        android:hint="Password"
        android:inputType="textPassword"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.494"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

```

<Button

```

        android:id="@+id/toast"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="450dp"
        android:backgroundTint="#009688"
        android:onClick="submitButtonHandler"
        android:text="Login"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

```

</androidx.constraintlayout.widget.ConstraintLayout>

Activity_main_cart.xml

<?xml version="1.0" encoding="utf-8"?>

<ScrollView

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="fill_parent"

android:layout_height="fill_parent">

<androidx.constraintlayout.widget.ConstraintLayout

android:layout_width="match_parent"

android:layout_height="match_parent"

tools:context=".Cart">

<TextView

android:id="@+id/textView3"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="160dp"

android:layout_marginTop="56dp"

android:fontFamily="@font/open_sans"

android:text="Order Details"

android:textColor="@android:color/background_dark"

app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toTopOf="parent" />

<EditText

android:id="@+id/editTextTextPersonName"

android:layout_width="350dp"

android:layout_height="50dp"

```
android:layout_marginStart="28dp"
android:layout_marginTop="32dp"
android:ems="10"
android:inputType="textPersonName"
android:text=" Full Name"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

<EditText

```
android:id="@+id/editTextPhone"
android:layout_width="350dp"
android:layout_height="50dp"
android:layout_marginStart="28dp"
android:layout_marginTop="16dp"
android:ems="10"
android:inputType="phone"
android:text="Phone Number"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/editTextTextPersonName" />
```

<Button

```
android:id="@+id/button"
android:layout_width="200dp"
android:layout_height="wrap_content"
android:layout_marginStart="104dp"
android:layout_marginTop="32dp"
android:background="@drawable/buy_now_bg"
```

```
android:text="Current Location"
android:textColor="@color/white"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/editTextPhone" />
```

<Button

```
android:id="@+id/button2"
android:layout_width="286dp"
android:layout_height="41dp"
android:layout_marginStart="60dp"
android:layout_marginTop="32dp"
android:background="@color/black"
android:text="Place Order"
android:textColor="@color/white"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/button" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

</ScrollView>

Activity_main_map.xml

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

<fragment

```
    android:id="@+id/google_map"
    android:name="com.google.android.gms.maps.SupportMapFragment"
    android:layout_width="match_parent"
    android:layout_height="match_parent" />
```


</RelativeLayout>

Activity_main_upload.xml

activity_main_upload.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_upload">

    <ImageView
        android:id="@+id/imgBack"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/ic_back" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="377dp"
        android:layout_height="342dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.529"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.1"
        tools:srcCompat="@drawable/ic_launcher_background" />

    <Button
        android:id="@+id/browse"
        android:layout_width="158dp"
        android:layout_height="57dp"
        android:text="Browse"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.063"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.712" />

    <Button
```

```
android:id="@+id/upload"
android:layout_width="170dp"
android:layout_height="56dp"
android:layout_marginEnd="16dp"
android:text="Upload"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.711" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

4.3 RESULT

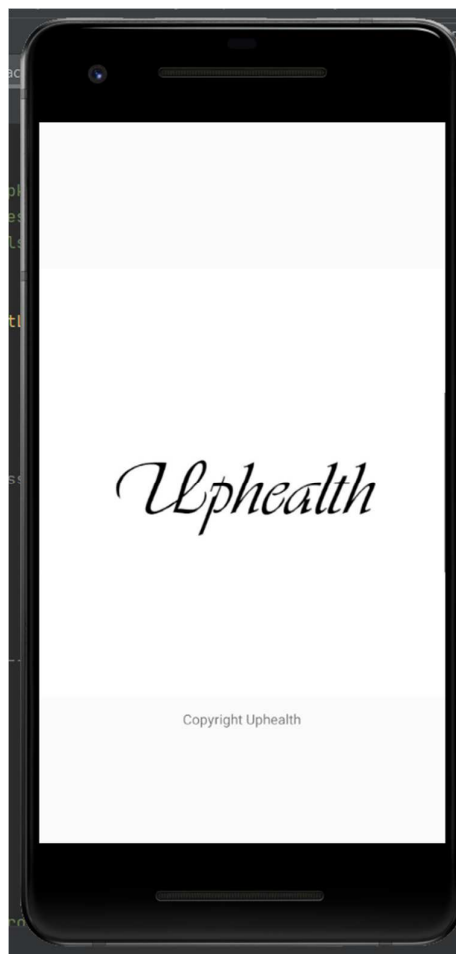


Fig 4.19: Result of Welcome page

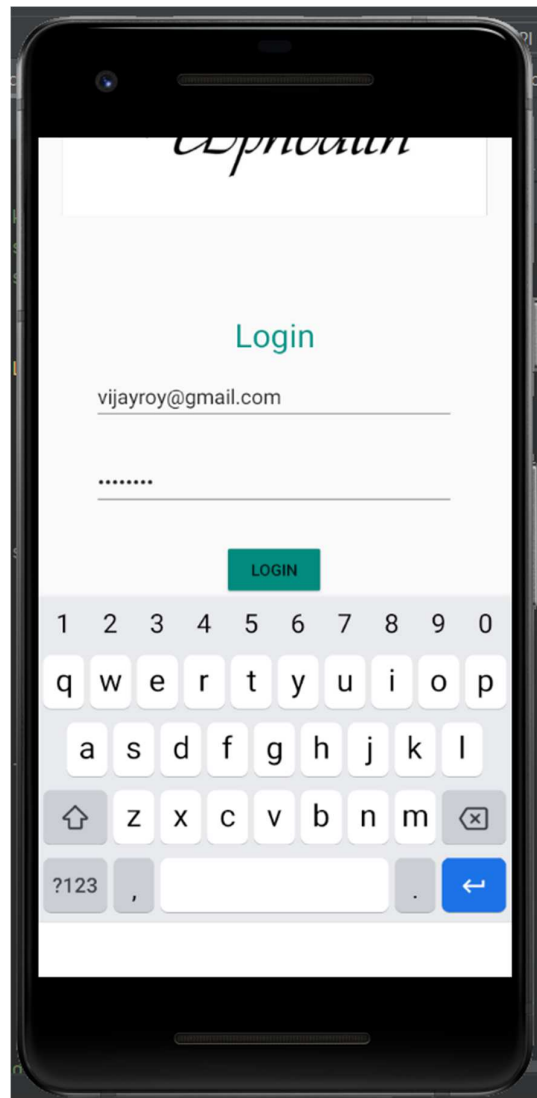


Fig 4.20: Result of Login page

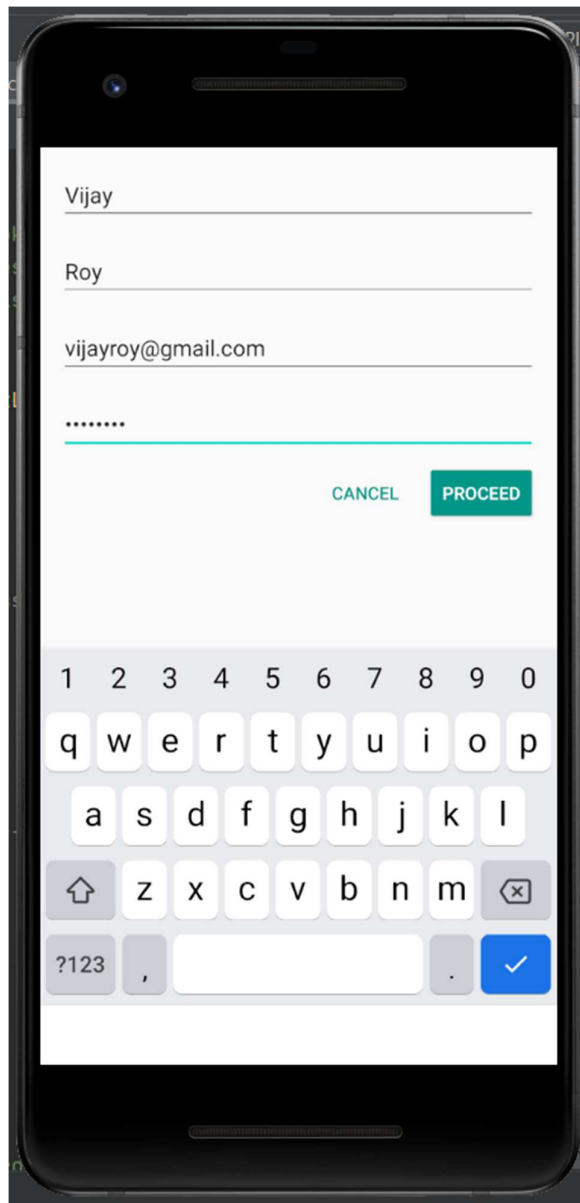


Fig 4.21: Result of Signup

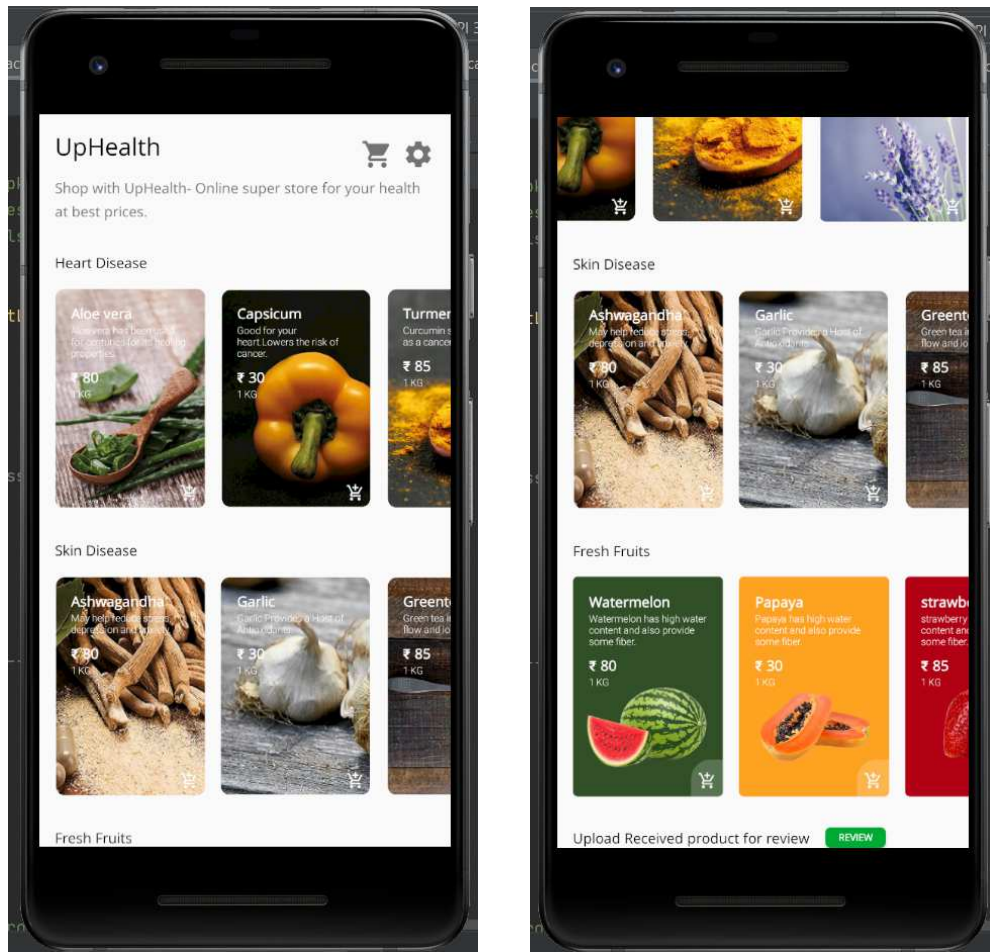


Fig 4.22: Result of Home page

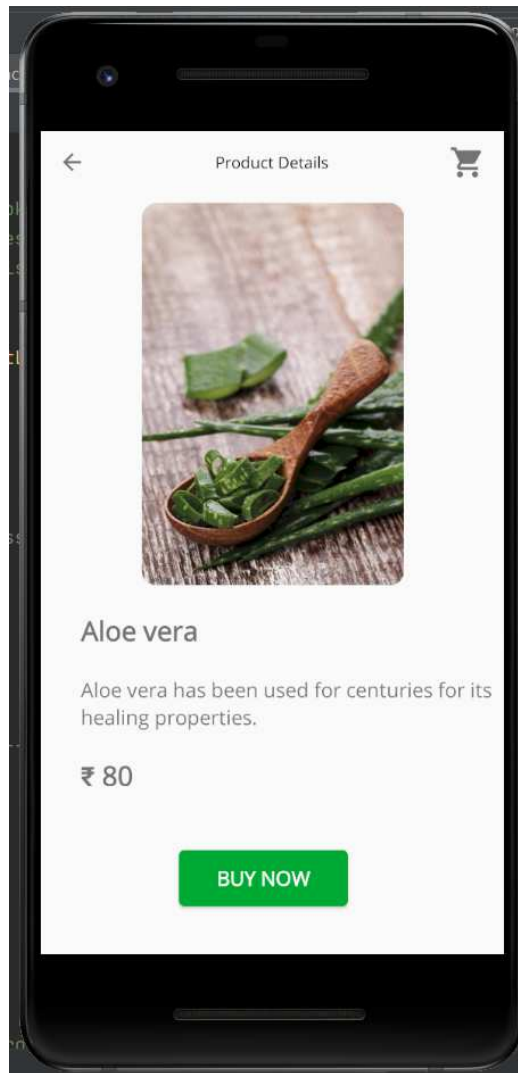


Fig 4.23: Result of Product details

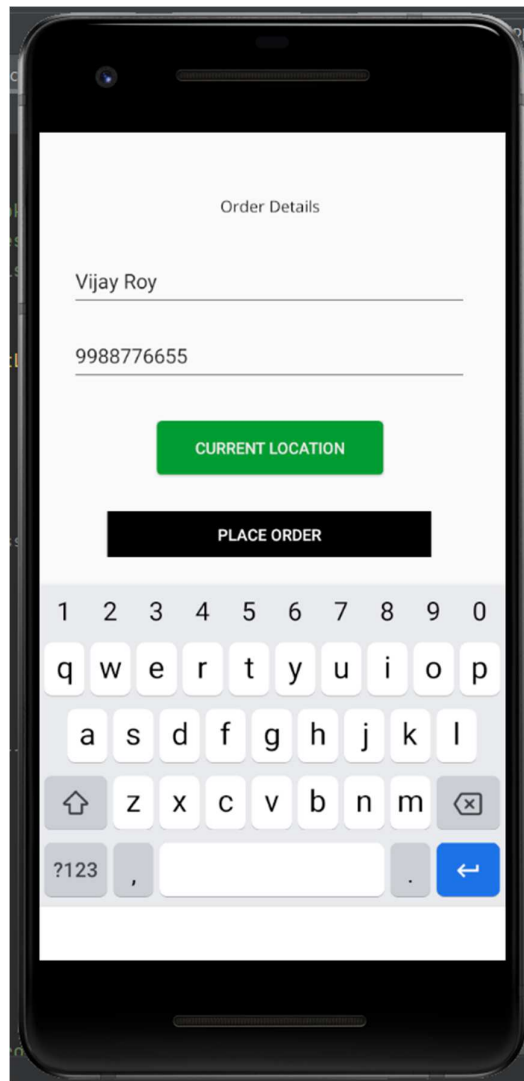


Fig 4.24: Result of Orders page

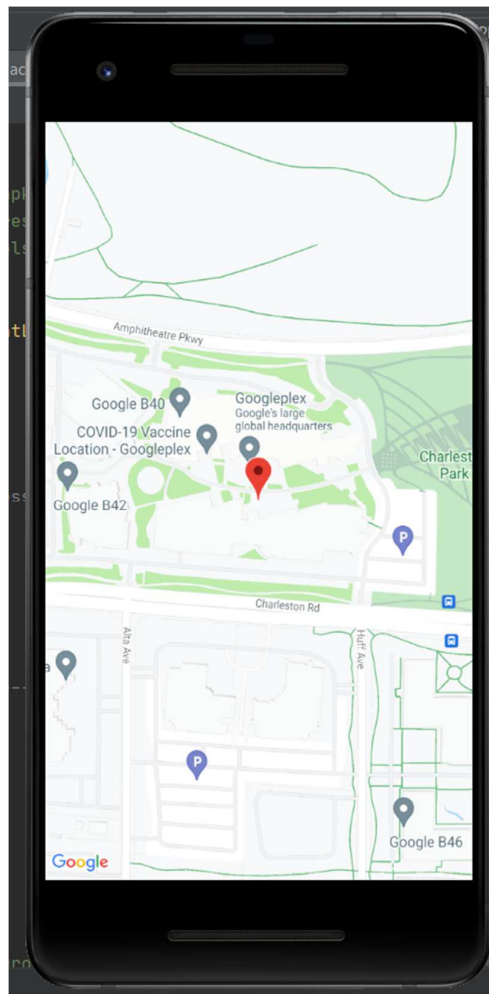


Fig 4.25: Location

4.4 FUTURESCOPE

The following project has scope both in present as well as future. In future, it can be used to convert the application to a full-fledged e-commerce or grocery shopping application pertaining to numerous health diseases. A page containing hospital details can also be added and a system can be designed to book online appointments in order to gain professional medical advice.

4.5 CONCLUSION

The Uphealth- healthcare at your doorstep has been developed using android studio fully meets the objectives of the system for which it has been developed. This android application is highly flexible and reliable to use. It is a user-friendly application that can be used for shopping that can save time. Hence a system with expected result has been developed but there is still some room for improvement.

REFERENCE

1. [Exploring Key Issues Affecting African Mobile eCommerce Applications Using Sentiment and Thematic Analysis | IEEE Journals & Magazine | IEEE Xplore](#)
2. [Ecommerce Chatbot \(Online Shopping App\) by Monika Kanojiya, Shivam Chothani, Neville Gosalia, Mansi Surve :: SSRN](#)
3. [IRJET-International Research Journal of Engineering and Technology](#)