FEED THE NEED

A CAPSTONE PROJECT REPORT

Submitted in partial fulfillment of the requirement for the award of the Degree of

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

by

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CERTIFICATE

This is to certify that the Capstone Project work titled "FEED THE NEED" that is being submitted by Nithin Sai Maguluri (19BCD7099), Saranya Koganti (19BCN787), Bolagani Leela Naga Manumitha (19BCE7555) is in partial fulfillment of the requirements for the award of Bachelor of Technology, is a record of bonafide work done under my guidance. The contents of this Project work, in full or in parts, have neither been taken from any other source nor have been submitted to any other Institute or University for award of any degree or diploma and the same is certified.

Dr. Venkata Rami Reddy Chirra

Guide

The thesis is satisfactory / unsatisfactory

Internal Examiner

External Examiner

Approved by

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DEAN

B. Tech. CSE

School Of Computer Science Engineering

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Nithin Sai Maguluri Saranya Koganti Bolagani Leela Naga Manumitha

Computer Science and Engineering, VIT-AP

ABSTRACT

Every year, almost 1.3 billion tons or about one-thirdof the food produced for human consumption worldwide is lost or squandered. According to the United Nations, 25000 people every day die from hunger-related illnesses, including more than 10000 children. Not only is there wastage in this situation, but there is also poor waste management. In the realm of smartphones, the Feed the Need app is incredibly helpful for addressing these issues. it serves as a conduit between those who want to donate food and those NGOs that want to receive it.

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CHAPTER 1

INTRODUCTION

Every year, almost 1.3 billion tons or about one-thirdof the food produced for human consumption worldwide is lost or squandered. According to the United Nations, 25000 people every day die from hunger-related illnesses, including more than 10000 children. Not only is there wastage in this situation, but there is also poor waste management. In the realm of smartphones, the Feed the Need app is incredibly helpful for addressing these issues. Along with another special feature where any regular person can volunteer to fight world hunger by delivering the food requested by the NGO, it serves as a conduit between those who want to donate food and those NGOs that want to receive it.

1.1 Objectives

The following are the objectives of this project:

- reducing food waste and satisfying hunger.
- To develop a food donation application that will serve as a conduit for users looking for a
 way to donate extra food to NGOs without wasting it.
- To provide a sustainable atmosphere where leftover food from events or restaurants can be fed to the hungry and undernourished.

1.2 Background and Literature Survey

- Up to 40% of the food produced in India each day is wasted, claims a study. There is enough evidence in our landfills, streets, and trash cans.
- Indians squander as much food as the entire country of the United Kingdom does, according to a statistic that may not actually reflect our love of excess as much as it does the size of our population.
- In India, over 21 million tonnes of wheat are lost to trash, and 50% of all grain produced worldwide suffers from the same fate and is never distributed to the poor.

In fact, the agricultural ministry estimates that the nation wastes food worth INR 50,000 crores each year.

1.3 Organization of the Report

The remaining chapters of the project report are described as follows:

- Chapter 2 contains the proposed system, methodology, hardware and software details.
- Chapter 3 gives the cost involved in the implementation of the project.
- Chapter 4 discusses the results obtained after the project was implemented.
- Chapter 5 concludes the report.
- Chapter 6 consists of codes.
- Chapter 7 gives references.

CHAPTER 2

FEED THE NEED

This Chapter describes the proposed system, working methodology, software and hardware details.

2.1 Proposed System

- The two types of end users in this system are donors and NGOs
- If there is any leftover food, the restaurants or events (donors) will submit a request through the Feed the Need application.
- The food will be visible to any nearby NGOs, who can then use the app to request it.

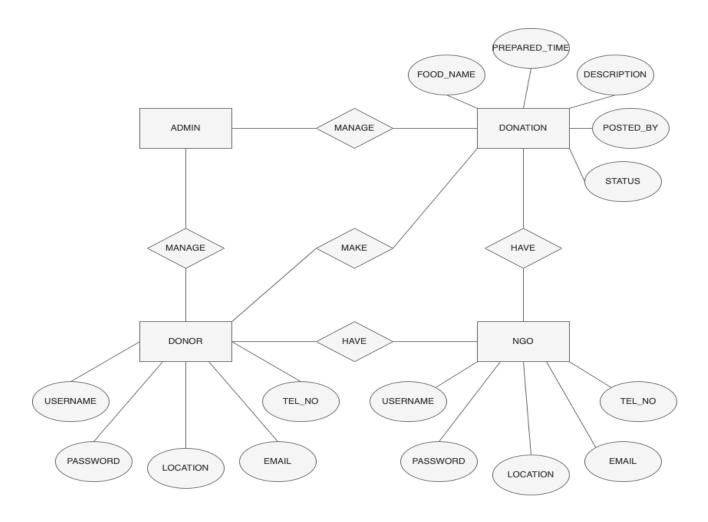
2.2 Working Methodology

- The user is presented with two options as soon as he launches the Feed The Need app.
- The register button can be used to enter information for a new NGO or DONOR, and the login button allows those users to log in with the email address and password they provided during registration.

- After logging in, the donor can add food details, upload a photo of the food he wants to contribute, and the app will take his location automatically.
- The NGO logs in to view these donor -uploaded details and asks the food using the request option; the app also automatically takes note of the NGO's location.

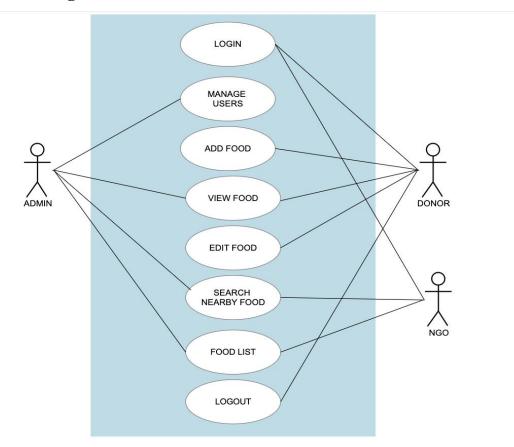
2.3 Design

2.3.1 Entity relationship diagram



2.3.2 UML Diagrams

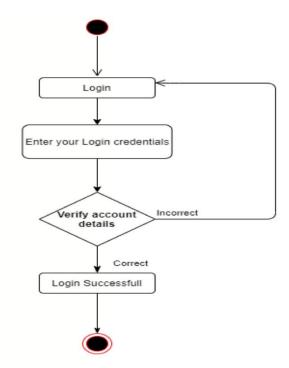
Use case diagram

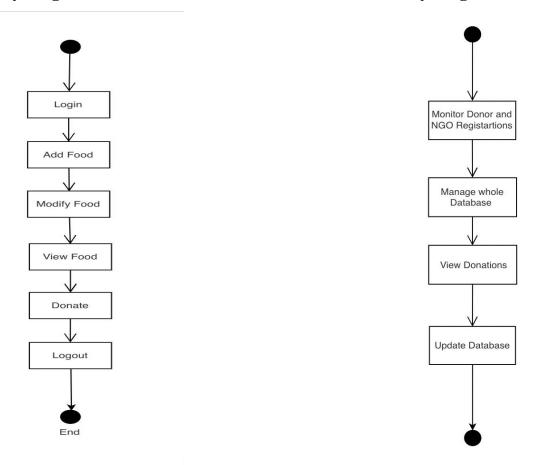


Activity diagram for registration

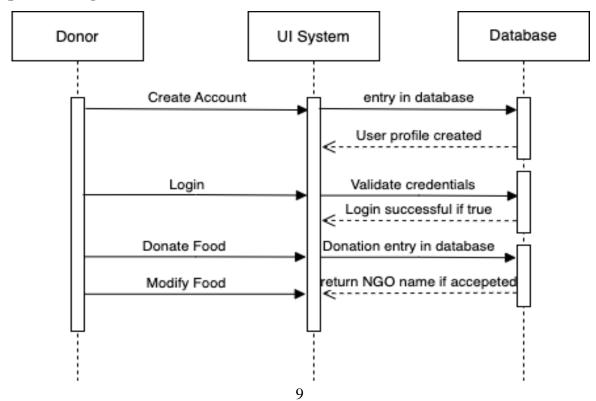
Enter details(Name, phone_no, email, address, etc.) Account created

Activity diagram for login

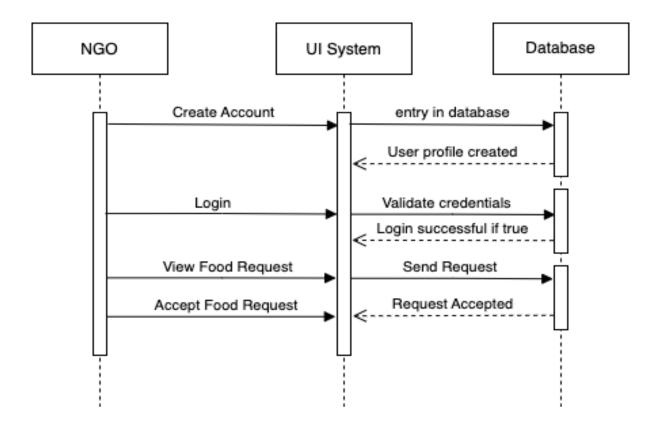




Sequence diagram for donor



Sequence diagram for NGO



2.4 System Details

This section describes the software and hardware details of the system:

2.4.1 Software Details

This project is implemented in android studio with the programming language being java and the backend as firebase.

2.4.2 Hardware Details

There are no hardware components needed in this project, only laptop is sufficient for code execution and result.

CHAPTER 3

COST ANALYSIS

3.1 List of components and their cost

There are no hardware components needed for this project. everything is done in Android Studio software present in the laptop.

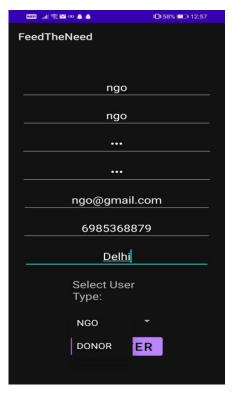
CHAPTER 4

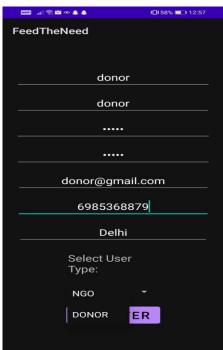
RESULTS AND DISCUSSIONS

Home Page of Feed The Need:

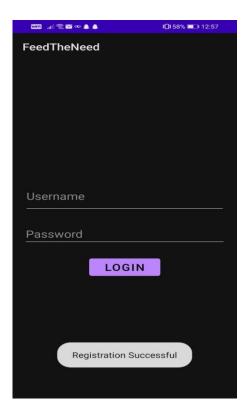


Registration Page for NGO and Donor:



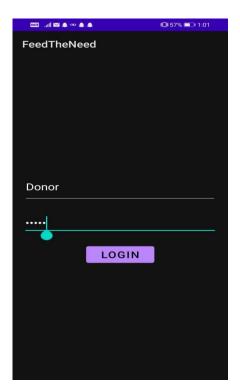


NGO and Donor Login Page:



Feed The Need App Flow:

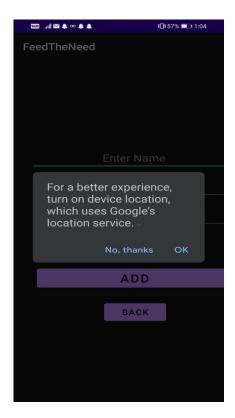
1. Donor logins with their credentials:

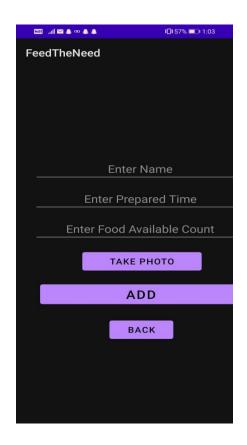


2. Donor Home Page:

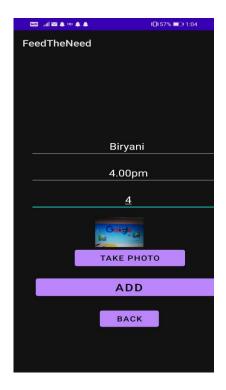


3. If Donor clicks on add food and his location permission is accessed and no manual address entry is needed:

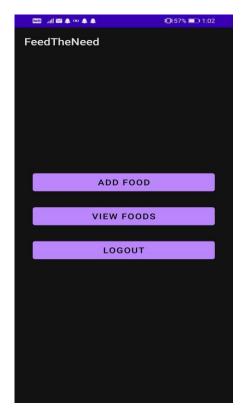


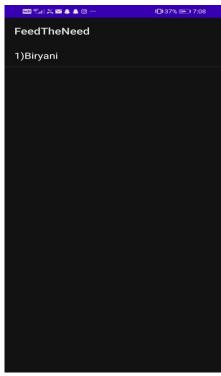


4. Food details are entered by the donor along with the photo.

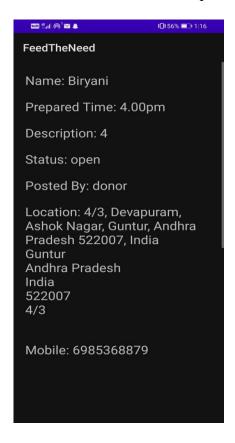


5. Donor added food can be viewed and updated by clicking on the view foods button:

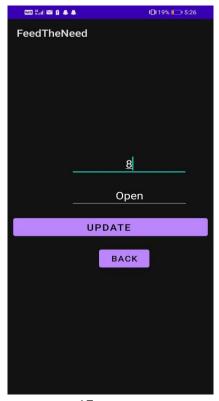




6. Once the donor selects the food he donated, all the details pertaining to it will be shown.



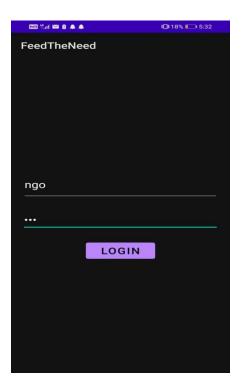
7. Update food can be clicked to update the quantity of food left and delete food will permanently delete the item.



8. The updated food quantity will be shown in the app.



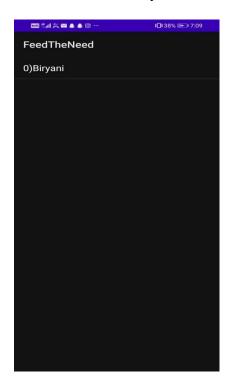
9. NGO will login with their credentials.



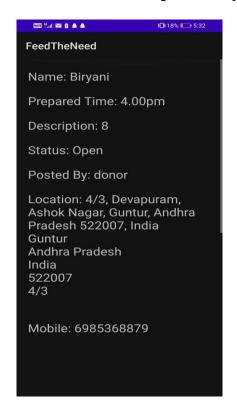
10. NGO Home Page



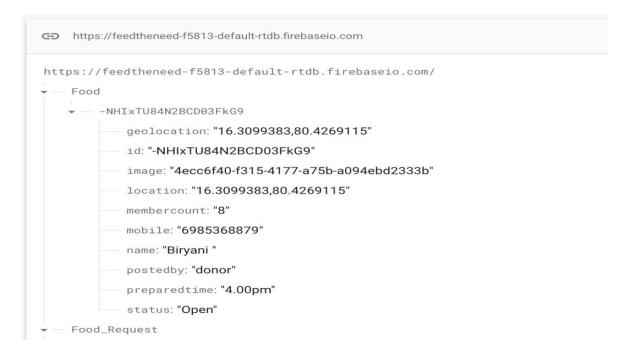
11. The search for a nearby button will show the nearby donated foods.



12. All the details pertaining to the food are shown along with a request option



Backend Firebase Database:



CHAPTER 5

CONCLUSION AND FUTURE WORK

Feed The Need has achieved all of the predetermined goals for building a food donation interface. The struggle against food hunger in India would drastically change if this application were to be used in real life. The project's future objectives include the addition of integrated maps for user convenience and search by location tools. We can add a special feature in the future where regular individuals may help by delivering the food.

CHAPTER 6

APPENDIX

activity_add_food.xml:

```
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
 android:layout_height="wrap_content"
android:layout_marginLeft="10dp"
 android:layout_marginBottom="15dp"
android:gravity="center"
android:hint="Enter Food Available Count"
```

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

<ImageView
android:id="@+id/postFoodImgView"
android:layout_width="match_parent"
android:layout_height="match_parent" />

<Button
android:id="@+id/chooseimagebutton"
android:layout_width="198dp"
android:layout_marginLeft="90dp"
android:layout_marginBottom="15dp"
android:layout_marginBottom="15dp"
android:layout_marginBottom="15dp"
android:id="@+id/addFoodSubmit"
android:layout_width="335dp"
android:layout_marginBottom="20dp"
android:layout_marginBottom="20dp"
android:layout_marginBottom="20dp"
android:layout_marginBottom="20dp"
android:text="Add"
android:layout_marginBottom="20dp"
android:text="Add"
android:layout_width="106dp"
android:id="@+id/addFoodCancel"
android:layout_height="wrap_content"
android:layout_marginLeft="135dp"
android:text="Back" />

</LinearLayout>

</ScrollView>
```

activity_donor_home.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollViewxmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/tools"
android:orientation="vertical"
android:layout_margin="20dp"
android:layout_width="match_parent"
android:layout_width="match_parent"
tools:context=".view.DonorHome">

<LinearLayout
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:alayout_width="match_parent"
android:id="0+id/donaraddfood"
android:layout_width="match_parent"
android:layout_meight="wrap_content"
android:layout_meight="wrap_content"
android:layout_margin="10dp"
android:id="0+id/donarviewfood"
android:id="0+id/donarviewfood"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_meight="wrap_content"
android:layout_meight="wrap_content"
android:layout_meight="wrap_content"
android:layout_meight="wrap_content"
android:layout_meight="wrap_content"
android:layout_meight="wrap_content"
android:layout_width="match_parent"
android:layout_width="matc
```

</ScrollView>

activity_list_food_requests.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayoutxmlns:android="http://schemas.android.com/apk/re
s/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=".view.ListFoodRequests">
<ListView
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="constraintlayout.yidget.ConstraintLayout>
```

activity_list_near_by.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayoutxmlns:android="http://schemas.android.com/apk/re
s/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=".view.ListNearBy">
<ListView
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:layout_height="match_parent"
android:id="@+id/FoodsNearbyList"></ListView>
</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_login.xml:

```
</linearLayout><?xml version="1.0" encoding="utf-8"?>
</linearLayoutxmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:pp="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:orientation="vertical"
android:layout height="match parent"
tools:context=".view.LoginActivity"
android:layout_margin="10dp"
android:gravity="center">

<
```

activity_main.xml:

activity_register.xml:

```
CLinearLayoutxmlns: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=".view.RegisterActivity"
android:layout_margin="10dp"
android:layout_width="318dp"
android:layout_width="318dp"
android:layout_width="318dp"
android:layout_marginBottom="10dp"
android:layout_marginBottom="10dp"
android:layout_width="317dp"
android:layout_width="317dp"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_beight="wrap_content"
android:layout_beight="wrap_content"
android:layout_peight="wrap_content"
android:layout_peight="wrap_content"
android:layout_peight="wrap_content"
android:inputType="text" />

android:layout_width="319dp"
android:layout_width="319dp"
android:layout_width="319dp"
android:layout_width="319dp"
android:layout_width="319dp"
android:layout_width="319dp"
android:layout_marginBottom="10dp"
android:layout_marginBottom="10dp"
android:layout_marginBottom="10dp"
android:layout_marginBottom="10dp"
```

```
android:gravity="center"
android:hint="Enter password"
android:inputType="textPassword" />
android:layout_height="wrap_content"
android:layout_marginBottom="10dp"
android:gravity="center"
android:hint="Retype Password"
android:gravity="center"
android:hint="Enter Email"
android:inputType="textEmailAddress" />
android:layout_height="wrap_content"
android:layout_marginBottom="10dp"
android:gravity="center"
android:hint="Enter Mobile"
android:layout_marginBottom="10dp'
android:gravity="center"
android:hint="Enter Address" />
android:layout_height="wrap_content"
android:layout_margin="10dp"
android:text="Select User Type:"
android:textSize="18sp" />
 android:layout_marginBottom="8dp"
app:layout_constraintBottom_toBottomOf="parent"
 app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
```

activity_update_food.xml:

```
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginLeft="100dp"
android:layout_marginBottom="15dp"
```

activity_user_home.xml:

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

<ScrollViewxmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/tools"
xmlns:tools="http://schemas.android.com/tools"
android:orientation="vertical"
android:layout_margin="20dp"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".view.NGOHome">

<LinearLayout
android:layout_width="match_parent"</pre>
```

```
android:layout_height="match_parent"
android:orientation="vertical"
android:paddingTop="250dp">

<Button
android:id="@+id/userviewnearbybutton"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_margin="10dp"
android:text="Search for Near By" />

<Button
android:id="@+id/userlogout"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_marginLeft="147dp"
android:text="Logout" />

</LinearLayout>

</ScrollView>
```

activity_view_food.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollViewxmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"</pre>
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:orientation="vertical"
android:layout_margin="10dp"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/foodviewname"/>
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/foodviewmembercount"/>
android:layout_madghn="sap
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/foodviewstatus"/>
 android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="4+id/foodyiewpostedby"/>
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/foodviewlocation"/>
```

```
activity_view_food_request.xml:
<?xml version="1.0" encoding="utf-8"?>
```

```
<TextView
android:textSize="23dp"
android:layout_margin="l0dp"
android:layout_width="match_parent"
android:layout height="wrap_content"
android:layout_height="wrap_content"
android:layout_margin="l0dp"
android:layout_margin="l0dp"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:d="%+id/foodrequestsourcerequestedby"/>

<TextView
android:layout_margin="l0dp"
android:layout_margin="l0dp"
android:layout_width="match_parent"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="%+id/foodrequestsourcedonatedby"/>

<Button
android:layout_width="ll8dp"
android:layout_width="ll8dp"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_height="wrap_content"
android:layout_margin="l0dp"
android:layout_margin="l0dp"
android:text="Cancel" />

</iinearLayout>

</scrollView>
```

MainActivity.java:

```
package com.example.FeedTheNeed;

import android.content.Intent;
import android.content.pm.PackageManager;
import android.us.Bundle;
import android.view.View;
import android.view.View;
import android.widget.Button;
import android.content.DialogInterface;
import android.content.DialogInterface;
import android.os.Build;
import android.os.Build;
import android.view.View;
import android.get.Postage;
import android.youtder.Settings;
import android.annotation.NonNull;
import androidx.annotation.RequiresApi;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;
import com.example.FeedTheNeed.view.LoginActivity;
import java.util.ArrayList;
import java.util.List;

public class MainActivityextends AppCompatActivity {

Button bl,b2,b3,b4;

80verride

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);
setContentView(R.layout.activity.main);
```

```
int result8 = ContextCompat.checkSelfPermission(this, Manifest.permission.SEND_SMS);
int result9 = ContextCompat.checkSelfPermission(this,
Manifest.permission. ACCESS COARSE LOCATION);
List l=new ArrayList();
Log.v("Permission Granted :", PackageManager. PERMISSION GRANTED+"");
result7==PackageManager.PERMISSION_GRANTED&& result8==PackageManager.PERMISSION_GRANTED&& result9==PackageManager.PERMISSION_GRANTED) {
```

```
if (grantResults.length>0 &&grantResults[0] == PackageManager.PERMISSION_GRANTED) {
Toast.makeText(this, "Permission granted successfully", Toast.LENGTH_SHORT).show();
AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);
builder.setTitle("Required Permissions");
builder.setMessage("This app requires permission to automatically take your location. Kindly grant
dialog.cancel();
```

AddFood.java:

```
import android.app.Activity;
import android.app.ProgressDialog;
import android.content.Context;
import android.content.Intent;
import android.graphics.Bitmap;
import android.net.Uri;
import android.provider.MediaStore;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.Toast;
```

```
mport android.annotation.SuppressLint;
mport android.content.pm.PackageManager;
Button addFoodSubmit;
```

```
addFoodPrepared= (EditText) findViewById(R.id.addFoodPrepared);
addMemeberCount= (EditText) findViewById(R.id.addFoodMemberCount);
```

```
String prepared = addFoodPrepared.getText().toString();
String memberCount = addMemeberCount.getText().toString();
dao.addObject(Constants.FOOD DB, food, food.getId());
protected void onActivityResult(int requestCode, int resultCode, Intent data) {
super.onActivityResult(requestCode, resultCode, data);
```

```
AppConstants.LOCATION REQUEST);
```

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

AppConstants.java:

```
package com.example.FeedTheNeed.view;
public class AppConstants {
public static final int LOCATION_REQUEST = 1000;
    public static final int GPS_REQUEST = 1001;
}
```

DonorHome.java:

```
ckage com.example.FeedTheNeed.view;
Button viewfood;
```

GpsUtils.java:

```
package com.example.FeedTheNeed.view;
import android.annotation.SuppressLint;
import android.app.Activity;
import android.content.Context;
import android.content.IntentSender;
import android.location.LocationManager;
import android.util.Log;
```

ListFood.java:

```
ackage com.example.FeedTheNeed.view;
Intent intent=new Intent(getApplicationContext(), ViewFood.class);
intent.putExtra("foodid", item);
```

ListFoodRequests.java:

```
com.example.FeedTheNeed.view;
```

ListNearBy.java:

```
package com.example.FeedTheNeed.view;
import android.content.Intent;
import android.os.Bundle;
import android.view.view;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.ListView;
import android.appcompat.app.AppCompatActivity;
import com.example.FeedTheNeed.R;
import com.example.FeedTheNeed.dao.DAO;
import com.example.FeedTheNeed.orm.Food;
import com.example.FeedTheNeed.util.Constants;
import com.example.FeedTheNeed.util.MapUtil;
import com.example.FeedTheNeed.util.Session;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DataDaseError;
import java.util.ArrayList;
```

```
float distance = getDistanceFromCurrentPosition(new
Double(userLatLongs[0]), new Double(userLatLongs[1]), new Double(latLongs[0]), new
ArrayAdapter<String> adapter = new ArrayAdapter<String>(listView.getContext(), android.R.layout.simple_list_item_1, (al.toArray(new String[al.size()])));
```

LoginActivity.java:

```
package com.example.FeedTheNeed.view;

import android.content.Intent;
import android.view.View;
import android.widget.Button;
import android.widget.Button;
import android.widget.Button;
import android.widget.Toast;
import android.widget.Toast;
import android.widget.Toast;
import com.example.FeedTheNeed.R;
import com.example.FeedTheNeed.R;
import com.example.FeedTheNeed.on.DAO;
import com.example.FeedTheNeed.intil.Constants;
import com.example.FeedTheNeed.util.Session;
import com.example.FeedTheNeed.util.Session;
import com.google.firebase.database.DataBnapshot;
import com.google.firebase.database.DataBnapshot;
import com.google.firebase.database.ValueEventListener;
public class
LoginActivityextends AppCompatActivity {

private Session session;
EditTextel,e2;
Button bl;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
session = new Session(getApplicationContext());
setContentView(R.layout.activity_login);
el=(EditText)findViewBvId(R.id.loginPhone);
```

NGOHome.java:

```
package com.example.FeedTheNeed.view;
import android.Manifest;
import android.annotation.SuppressLint;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.location.Location;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
```

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

RegisterActivity.java:

```
cage com.example.FeedTheNeed.view;
.mport android.widget.AdapterView;
.mport android.widget.ArrayAdapter;
.mport android.widget.EditText;
.mport android.widget.Spinner;
```

```
//Performing action onItemSelected and onNothing selected
@Override
public void onItemSelected(AdapterView<?> arg0, View arg1, int position, long id) {
   type=userTypes[position];
}
@Override
public void onNothingSelected(AdapterView<?> arg0) {
   // TODO Auto-generated method stub
}

public static booleanisValid(String email)
   {
        String emailRegex = "^[a-zA-Z0-9_+&*-]+(?:\\."+
   "[a-zA-Z0-9_+&*-]+)*@" +
   "(?:[a-zA-Z0-9]+\\.)+[a-z]" +
   "A-Z](2,7)$";

Pattern pat = Pattern.compile(emailRegex);
        if (email == null)
   return false;
        return pat.matcher(email).matches();
}
```

UpdateFood.java:

```
age com.example.FeedTheNeed.view;
 import android.widget.Button;
import android.widget.EditText;
Button updateFoodSubmit;
updateFoodStatus= (EditText) findViewById(R.id.updateFoodStatus);
updateFoodSubmit= (Button) findViewById(R.id.updateFoodSubmit);
updateFoodCancel= (Button) findViewById(R.id.updateFoodCancel);
```

ViewFood.java:

```
package com example.FeedTheNeed.view;
import android.Manifest;
import android.annotation.SuppressLint;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.graphics.Bitmap;
import android.graphics.BitmapFactory;
import android.location.Address;
import android.location.Address;
import android.location.Geocoder;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Button;
import android.widget.TextView;
import android.widget.TextView;
import android.widget.Toast;
import android.x.apnotation.NonNull;
import androidx.apnotation.PappCompatActivity;
import androidx.core.app.ActivityCompat;
import com.example.FeedTheNeed.R;
import com.example.FeedTheNeed.doo.DAO;
import com.example.FeedTheNeed.form.Food;
```

```
Button updatefood;
```

```
t1.setText("Name: "+food.getName());
t2.setText("Prepared Time: "+food.getPreparedtime());
t3.setText("Description: "+food.getMembercount());
t4.setText("Status: "+food.getStatus());
t5.setText("Posted By: "+food.getPostedby());
t6.setText("Location: "+foodAddress);
bytes.length);
```

```
Manifest.permission.ACCESS FINE LOCATION) !=
PackageManager.PERMISSION_GRANTED&&ActivityCompat.checkSelfPermission(getApplicationContext(), Manifest.permission.ACCESS_COARSE_LOCATION) != PackageManager.PERMISSION_GRANTED) {
```

ViewFoodRequests.java:

```
package com.example.FeedTheNeed.view;
import android.content.Intent;
import android.do.Sundle;
import android.widget.Button;
import android.widget.TextView;
import android.widget.TextView;
import android.widget.TextView;
import com.example.FeedTheNeed.R;
import com.example.FeedTheNeed.R;
import com.example.FeedTheNeed.form.FoodRequest;
import com.example.FeedTheNeed.till.Constants;
import com.example.FeedTheNeed.util.Constants;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.ValueEventListener;

public class ViewFoodRequestextends AppCompatActivity {
    Button viewFoodRequestEack;
    TextViewtl,t2,t3,t4;

8Override
Protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_view_food_request);
    viewFoodRequestBack=(Button) findViewById(R.id.viewFoodrequestBack);

tl=(TextView) findViewById(R.id.foodrequestsource);
t2=(TextView) findViewById(R.id.foodrequestsourcerequestedby);
    final Session s = new Session(getApplicationContext());

Intent i = getIntent();
savedInstanceState = i.getExtras();
    final String foodrequestid = savedInstanceState.getString("foodrequestid");
```

Food.java:

```
com.example.FeedTheNeed.form;
```

FoodRequest.java:

```
package com.example.FeedTheNeed.form;

public class FoodRequest {
    private String foodrequestid;
        private String sourcelocation;
        private String destinationlocation;
        private String requestdby;
        private String getFoodrequestid() {
        return foodrequestid;
    }

public void setFoodrequestid(String foodrequestid) {
        this.foodrequestid= foodrequestid;
    }

public String getSourcelocation() {
    return sourcelocation;
    }

public void setSourcelocation(String sourcelocation) {
        this.sourcelocation= sourcelocation;
    }

public String getDestinationlocation() {
        return destinationlocation;
    }

public String getDestinationlocation() {
        return destinationlocation;
    }
```

```
public void setDestinationlocation(String destinationlocation) {
    this.destinationlocation= destinationlocation;
}

public String getRequestdby() {
    return requestdby;
}

public void setRequestdby(String requestdby) {
    this.requestdby= requestdby;
}

public String getDonatedby() {
    return donatedby;
}

public void setDonatedby(String donatedby) {
    this.donatedby= donatedby;
}
```

NGO.java:

```
com.example.FeedTheNeed.form;
public void setFoodrequestid(String foodrequestid) {
this.foodrequestid= foodrequestid;
```

_ . _ .

```
DAO.java:
 ackage com.example.FeedTheNeed.form;
```

```
public void setSourcelocation(String sourcelocation) {
    this.sourcelocation= sourcelocation;
}

public String getDestinationlocation() {
    return destinationlocation;
}

public void setDestinationlocation(String destinationlocation) {
    this.destinationlocation= destinationlocation;
}

public String getRequestdby() {
    return requestdby;
}

public void setRequestdby(String requestdby) {
    this.requestdby= requestdby;
}

public String getDonatedby() {
    return donatedby;
}

public void setDonatedby(String donatedby) {
    this.donatedby= donatedby;
}
```

GetFireBaseConnection.java:

```
package com.example.FeedTheNeed.form;
public class FoodRequest {
    private String foodrequestid;
        private String sourcelocation;
        private String requestdby;
        private String requestdby;
        public String destinationlocation;
        private String requestdby;
        public String getFoodrequestid() {
        return foodrequestid (String foodrequestid) {
            this.foodrequestid = foodrequestid;
        }
        public String getSourcelocation() {
            return sourcelocation;
        }
        public void setSourcelocation(String sourcelocation) {
        this.sourcelocation = sourcelocation;
        }
        public String getDestinationlocation() {
        return destinationlocation;
        }
        public String getDestinationlocation(String destinationlocation) {
        this.destinationlocation = destinationlocation;
        }
        public void setDestinationlocation(String destinationlocation) {
        this.destinationlocation = destinationlocation;
        }
        public String getRequestdby() {
        return requestdby;
        }
        public void setRequestdby(String requestdby) {
        this.requestdby = requestdby;
        }
    }
}
```

```
public String getDonatedby() {
  return donatedby;
}

public void setDonatedby(String donatedby) {
  this.donatedby= donatedby;
}
}
```

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