IJCRT.ORG ISSN : 2320-2882

INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS (IJCRT)

An International Open Access, Peer-reviewed, Refereed Journal

# NO MORE HUNGER

## Android Application Development

**Dr Diana Moses**[1]
Professor and hod, St. Peter's Engineering College,
Opposite TS Forest Academy Dullapally, Maisammaguda
Medchal, Hyderabad, Telangana 500043

**Mekala Kavya**[2]
B.Tech. 4th Year Students, Department of CSE,
Opposite TS Forest Academy Dullapally, Maisammaguda
Medchal, Hyderabad, Telangana 500043

**Silam Naveen**[3]
B.Tech. 4th Year Students, Department of CSE,
Opposite TS Forest Academy Dullapally, Maisammaguda
Medchal, Hyderabad, Telangana 500043

**Veeresh Chipparapalli**[4]
B.Tech. 4th Year Students, Department of CSE,
Opposite TS Forest Academy Dullapally, Maisammaguda
Medchal, Hyderabad, Telangana 500043

- ***Abstract*— At the end of the day every hotel / restaurant / Function hall will have a remnant food with them. Obviously they will throw it out without thinking much about it. As it may not give them a loss. But, there are many people in India who are unable to find the food to fulfill their hunger sometimes even once a day. One side the food is getting wasted unnecessarily and the other side there is need of food. In order to balance this we came up with a solution. We are designing an application to reach out the needy people with this remnant food so that at least some people may get the food. Our application "No More Hunger" helps to upload the locations where the food is available. Based on the locations the food activists can reach out to respective hotel / restaurant / function hall and will provide the food to the needy people.**

***Keywords*— Hunger,remnant food,restaurant,location**

### *1.INTRODUCTION*

Food waste management is crucial since it can improve our environmental and economic sustainability. We have identified the use of mobile technology to reduce food waste management and built an android mobile application that allows users to donate and share their foods and leftovers with people in need. This app will enable users to register, login, add items, and log out.No more hunger is an application that helps to feed the hunger of the needy with surplus food and helps in donating the items like books to the organization.

.

Food waste management is crucial since it can improve our environmental and economic sustainability. We have identified the use of mobile technology to reduce food waste management and built an android mobile application that allows users to donate and share their foods and leftovers with people in need. This app will enable users to register, login, add items, and log out.No more hunger is an application that helps to feed the hunger of the needy with surplus food and helps in donating the items like books to the organization.

### *2.LITERATURE SURVEY*

Food waste management is crucial since it can improve our environmental and economic sustainability. We have identified the use of mobile technology to reduce food waste management and built an android mobile application that allows users to donate and share their foods and leftovers with people in need. This app will enable users to register, login, add items, and log out.No more hunger is an application that helps to feed the hunger of the needy with surplus food and helps in donating the items like books to the organization.

A Disadvantages of Existing System:

There is no mediator to transfer the food to the needy.

The receiver may not trace the location of the food.

The receiver has to pay some amount to get that food.

The user reference does not consist of phone number to trace the donor.

### 3. IMPLEMENTATION

A.Modules:

Modules provide a container for your app's source code, resource files, and app level settings, such as the module-level build file and Android manifest file. Each module can be independently built, tested, and debugged. Android Studio uses modules to make it easy to add new devices to your project. No more hunger application is divided into 3 modules basing on the performance and requirements. They are:

1.Login

Login is the first module through which the user can enter into the application. If the user does not have an account in the application then he/she can register to the application with the help of their mail id, name, phone number, and

password. Here the phone number is mandatory to login to the application because after sharing the location of the donor the food activist approaches the donor to collect the food. In case if the location is not appropriate the food activist can contact the donor through the phone number that is provided by them at the registration process. This is how the login module works in No more hunger application.

2.Share the Meal

Share the meal is a module where the user shares his/her meal. After entering this module, the user has to give his/her name, phone number, details about the food that is available like food type, the quantity of food, and the address of the donor to collect the food from them. Here share is a button which navigates the user to provide the details of the food. Then by clicking on the send button the activist will get the SMS notification regarding food.

3.Donate

Donate is a module that navigates the user to the next activity to enter the details of the products that they want to donate. After entering into the activity, the user has to provide his/her name, phone number, a product name that they want to donate, and the address of the donor. The address is provided by the user itself. In case of difficulties in approaching the donor, the activist can contact the donor with the provided phone number. After, giving all the required data, the user can click on send button. Thus, the data regarding the food and location is sent to the activist who collects those things from the user. Thus, the activist collects the things from the user through the SMS notifications.

.

B.UML Diagrams

UML, short for Unified Modeling Language, is a standardized modeling language consisting of an integrated set of diagrams, developed to help system and software developers for specifying, visualizing, constructing, and documenting the artifacts of software systems, as well as for business modeling and other non-software systems.

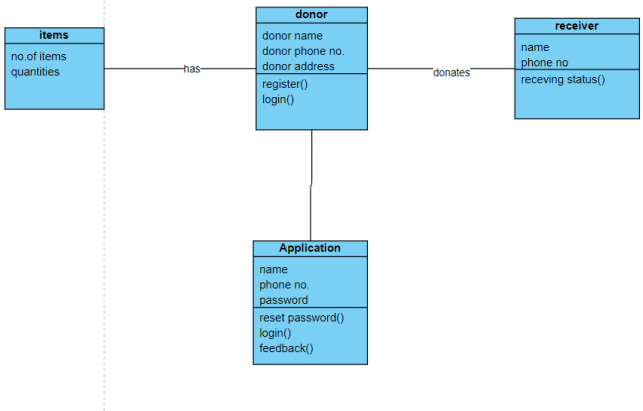


Fig.4.3.1 Class Diagram of No more hunger application.

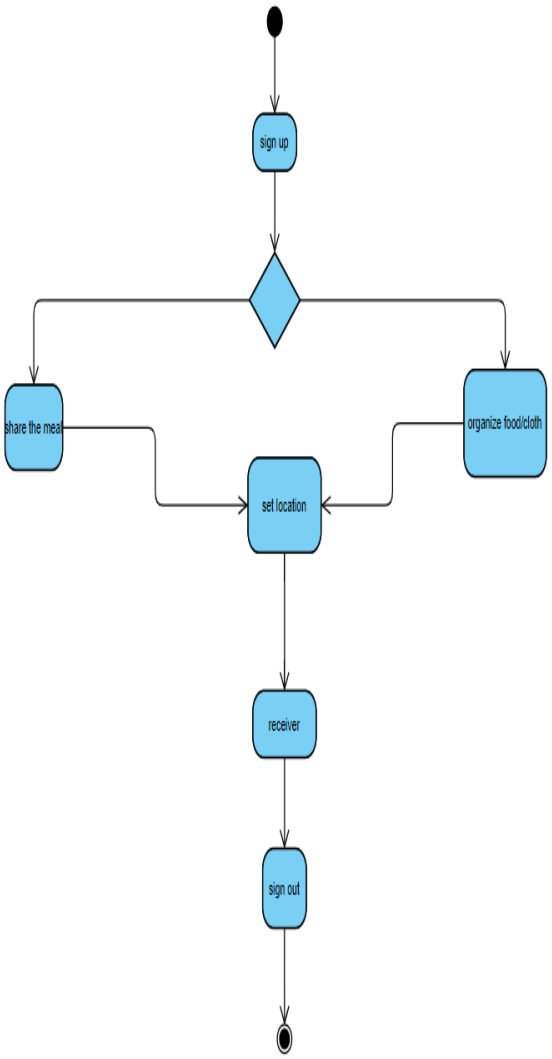


Fig.4.3.2 Activity UML Diagram of No more hunger application.

**Implementation Steps:**

1.Connect to authentication in firebase to check email and password.

2.Connect to firestore to store the data of the user.

3.Create a project in firebase console within the project name.

**C.Implementation technologies:**

The implemented technologies in this application are:

- XML
- JAVA

**XML (Extensible Markup Language):**

XML is a markup language much like HTML used to describe the data.

**JAVA:**

Android is an open source software platform for mobile devices. The Android platform allows developers to write managed code using Java to manage and control the Android device. Android applications can be developed by using the Java programming language and the Android SDK.

## 4.*CONCLUSION*

- The main objective of this project is to build an application to serve needy people with surplus food at homes, restaurants, hotels, and many other resources.
- We aim to forward the surplus/remnant food to solve who is in need of it.
- "You pray for the hungry. Then you feed them. This is how prayer worker"
- So, we are trying to make this world free from hunger.
- We aim to bring benefits across the spectrum of society and help in providing access to food to those who don't have adequate means to access the meal.

## *References*

**[1]**To connect to the firebase storage https://firebase.google.com/

**[2]**To get started with firestore , for fetching data with firestore , changing data with firestore. Available: https://www.freecodecamp.org/news/the-firestore-tutorial-for-2020-learn-by-example/

**[3]**M.D.C.J Gunawardane, H.A.N Pushpakumara, E.N.M.R.L Navarathne, Shashika Lokuliyana, K.T.I. Kelaniyage, Narmadha Gamage "Zero Food Waste": Food wastage sustaining mobile application under 2019 International Conference on Advancements in Computing (ICAC).

**[4]**"Food and agriculture Organization of the United /nations.(n.d.)", Food loss and Food Waste,[online] Available: https://www.fao.org/food-loss-and-food-waste/en/.

**[5]**"Foodforall.com", Food for All, 2019, [online] Available: https://foodforall.com/.