ADVANCED SOFTWARE ENGINEERING

PROJECT PROPOSAL

BY

PROJECT GROUP 12

JAGADEESH TIRUMALASETTY (#39)

SURYA BOTCHA (#09)

SREEKAILASH DEEPURU

KISHORE

1.INTRODUCTION: Our main aim is to design an android application using the basic technologies we had learned and the application should be a user friendly one which helps to make the life of general public reliable and comfortable. In the below proposal, all the technologies that we use in the process of designing this application will be mentioned. Also our project plan will be discussed and what are the situations that lead us to come up with this application and how our application is useful will also be discussed.

2.PROJECT GOAL AND OBJECTIVES:

- <u>OVERALL GOAL</u>: As mentioned above our goal is to design an application using java for the present day mobile phones. As we know there are many people in our society who are in need of help and also there are people who want to take initiative to help people voluntarily. Our application acts as a platform between these two kinds of people which ultimately leads to serve people who are in need.
- <u>SPECIFIC OBJECTIVES</u>: We all know about the rapid increase in the use of mobile devices and also how important it is to develop mobile web applications and android applications. We choose android platform as it is the most used platform in the present day mobile phones.
- <u>SIGNIFICANCE</u>: The importance of our application is that it connects the real world environment with technology and helps to create an application for people who are in need of help. This application helps people to get connected and stay in touch. There is no rule that only the ones we know should help us and vice versa. So our application creates an opportunity for people who want to take an initiative to help people voluntarily.
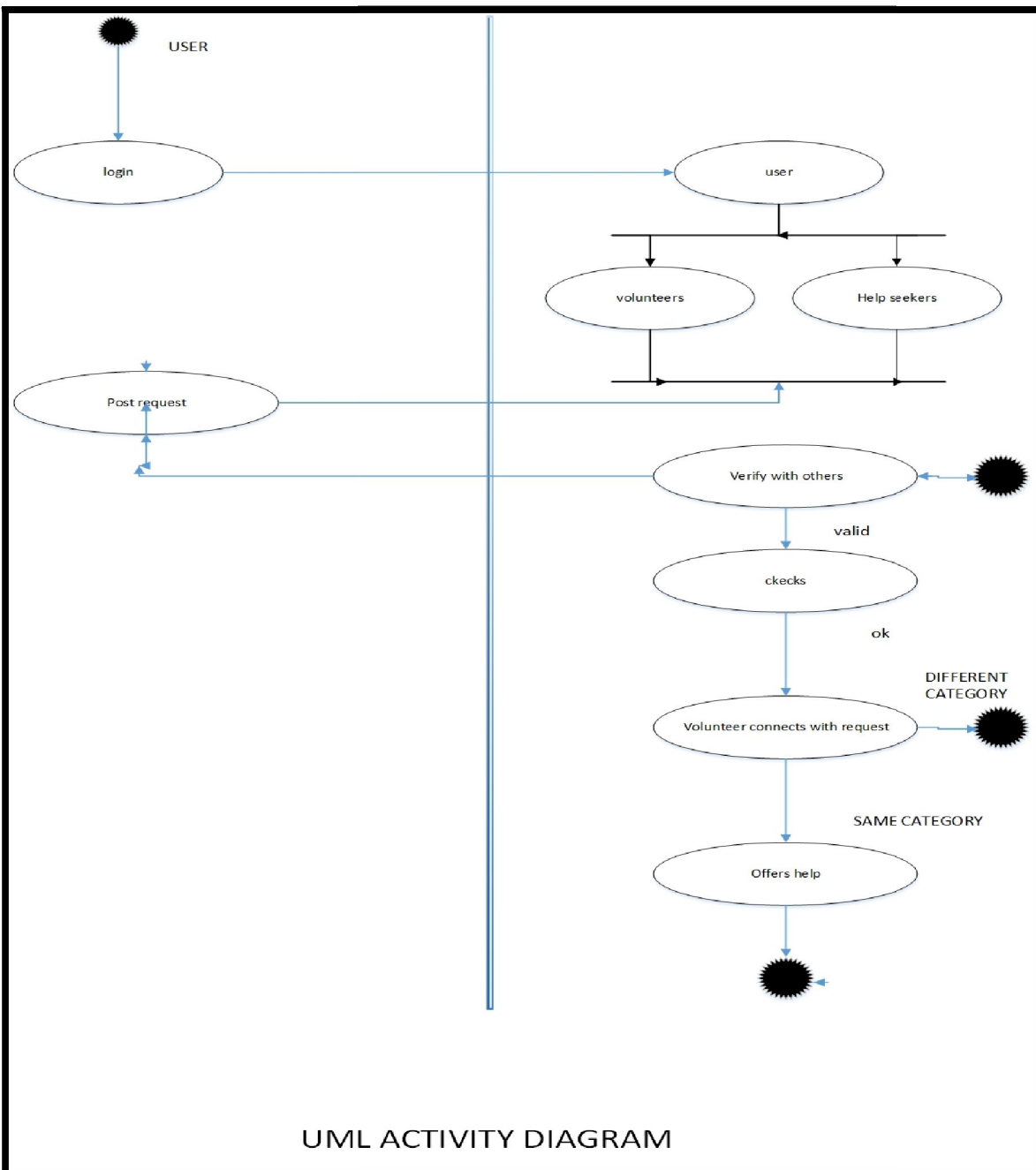
3.PROPOSED SYSTEM:

- <u>REQIREMENT SPECIFICATION:</u>
- <u>FUNCTIONAL REQUIREMENTS:</u>
- The starting front page consists of an option to either sign in or log in for both new and old users.
- If the user is a new user then he needs to create a new profile and that option will be available as a button called "create an account".
- If the user is an existing customer, then the log in option is available and the user gets directed to his home page.
- Once the user opens his home page, he can find several options such as whether he is interested to help or he is in need of help. These two are the main options that he can find. In these he can select any category out of the available categories such as he is interested in giving a drive or else if he is willing to take people to supermarkets or else if they are planning to organize any special events. Also any miscellanies helps can be also mentioned.
- <u>NON FUNCTIONAL/BUSSINESS REQUIREMENTS:</u>

- The application requires people to get connected and also making friends among them so that each person can have an individual profile and also the help can be monitored. The business requirements only include discussions among the people regarding the services offered.
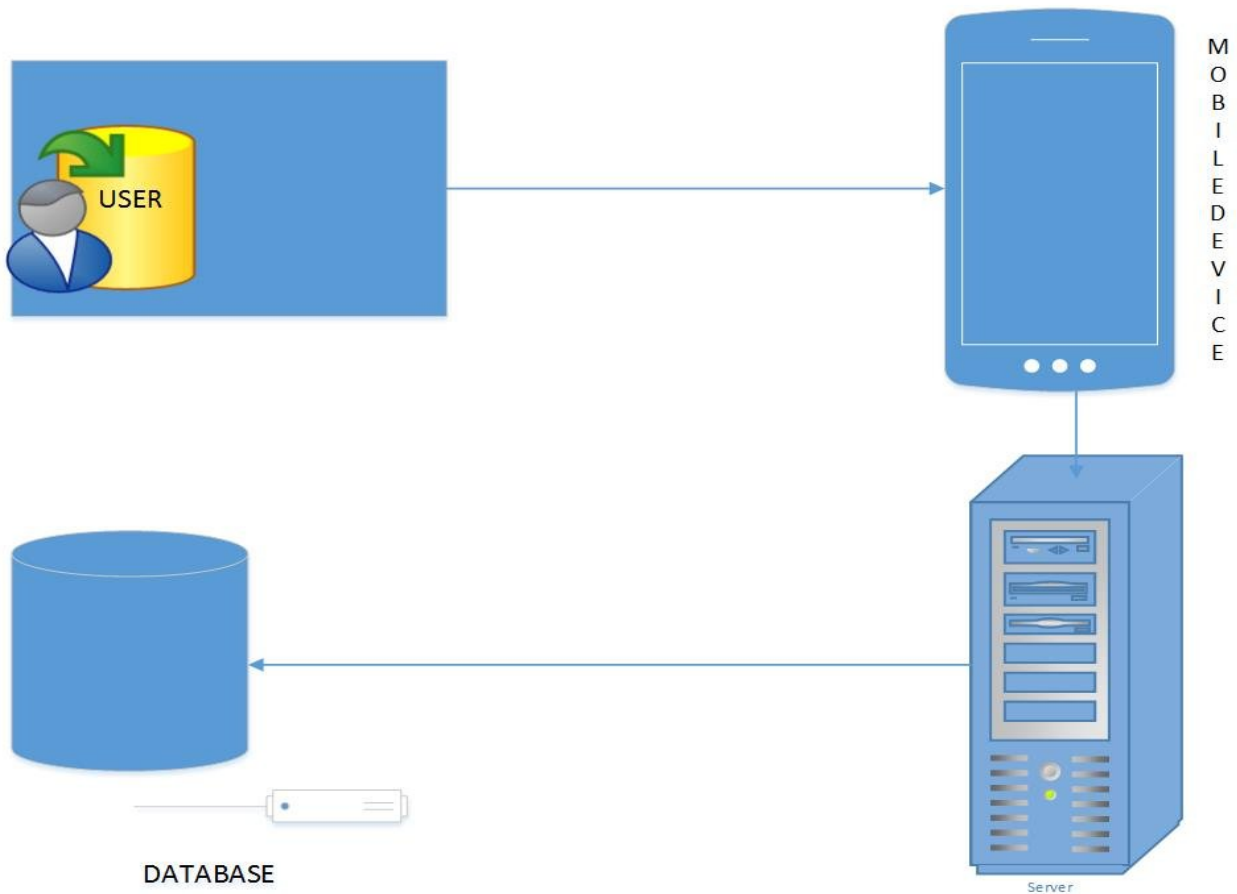
4.WORKFLOW ANALYSIS:

UML ACTIVITY DIAGRAM:

UML ACTIVITY DIAGRAM

:

FRAMEWORK SPECIFICATION:

ARCHITECTURE:

SYSTEM ARCHITECTURE DESIGN

5.SYSTEM SPECIFICATION:

- ## Existing Services:
- We used the concept involved in stack overflow website where users post their questions and answers are provided by different other users. This acts as a platform for interacting between different people.

- In the similar way, using our application, users are allowed to post details of their free timings and also what kind of help they need which can be answered by many other free people.
- URL: http://stackoverflow.com/

- ## DESIGN OF MOBILE CLIENT:
- Features: Android SDK on Eclipse IDE is used to build the mobile application.
- The application support only android 4.0 +.
- The android application uses internet service, location data, google plus authentication.
-

6.PLAN BY SERVICES:

- SCRUM DO:
  https://www.scrumdo.com/projects/project/help-help-help/summary
- GITHUB:
  https://github.com/sbbb2/help-help-help-.git

7.RISK MANAGEMENT:

This application can be misused by people by taking advantage and trying to cheat people using this app. This can be reduced by introducing the feature of providing feedback and rating for persons who offered help so that it can be helpful for another user.

8.PROJECT BACKGROUND AND RELATED WORK:

- Our application is first of its kind. Though we did not find this kind of any application, our motivation to design it made us to choose this project.

- BIBLIOGRAPHY: The services that we are going to use are mentioned in the below URL'S
  https://developers.google.com/maps/
  https://developers.facebook.com/
  https://developers.android.com/
  http://jquery.com/