**Team C - Crazy Coders - Campus tour software – Mallikharjuna Rao Dande**

 Client: Dr. Michael Oudshoorn

 Team members and their key roles and responsibilities:

  Responsibilities:

 S.No.     Names                                  Roles

 1             Nayan Reddy Prodduturi  -Primary contact, Communications and documentation management

 2            Teja Parimi                     -Quality and testing management

 3             Rakesh Chitturi               -Data management

 4             Vamsi Krishna Solasa       -Issues management

 5             Chiranjeevi Sneha Kotu    -Requirements management

 6             Mallikharjuna Rao Dande -Client management

 Nayan Reddy Prodduturi: My responsibility is to keep in contact with the client.

 I also take the responsibility of documenting the project at various stages by collecting information from team members.

 Teja Parimi: I am Responsible for testing the app throughout the project and to inform issue manager if there are any issues and also to maintain the quality of the app.

 Rakesh Chitturi: I will take the responsibility of storing and managing the data. I also take responsibility for designing database and database connectivity.

 Vamsi Krishna Solasa: I am responsible for tracking all the issues and assigning the issue to respective member. I also take feedback about the issue and inform the client management if there is any problem in solving the issue.

 Chiranjeevi Sneha Kotu: I take the responsibility to collect the requirements and to be able to say that the requirements are deliverable or not, discussing with the programmers.

 Mallikharjuna Rao Dande: I take the responsibility to interact with the client get the requirements and give it to the team and also to discuss issues with the client.

**Weekly Report:**

Name: Mallikharjuna Rao Dande

Team: Crazy Coders – Team C

Date: 03/13/2017

Schedule : Behind schedule, but will catch up this week by parallelizing the tasks to be done in coming weeks starting from this week.

Previous week: 68% Project Completed.

I’ve worked on Campus Tour Server this week. Tasks I’ve worked on the last week were not the one’s planned previously as over the course of week I’ve identified core tasks which took priority over planned tasks. The planned tasks are documented and will be undertaken in future weeks.

1. Setup database on the remote server, and inserted data into it. (universities and buildings tables created and data inserted). **(2 hours)**
2. Coded Android\_Servlet.java with methods FetchUniversities() and FetchBuildings() which connects through Connector.java to fetch data from database.**(3 hours)**
3. Coded parseToJson() method in Android\_Servlet to convert java objects to JSON Strings for transmitting over network. (Studied JSON, Took tutorials on converting strings to JSON first, then proceeded to convert Java Objects to JSON Strings Finally converted an ArrayList of Java Objects to a single JSONObject) **(5 hours)**
4. Coded AsyncTask<> in SplashActivity.java In android to perform networking activity on the UI Thread to connect to Android\_Serrvlet. **(4 hours)**
5. Tested all the Android\_Servlet, ParseJson() and AsyncTask are working.**(1 hour)**
6. Bug fixing in Android\_Servlet, android servlet was returning only one university where as there were two universities. Coded a loop to fetch all universities and also changed the parseJSON method to accept the university array and convert to JSONString. **(2 Hours)**
7. Integration of all the modules into CampusCruise Application. **(1 hour)**
8. Team Meeting to discuss the progress, merge conflicts and Integration. **(1 hour)**

Time contributed (last week): Total work hours spent in last week is **19 hours** for the above listed items. Tasks are taking longer time as they ]advanced topics in Android for which tutorials are complex and not easily available. I had to create new project just to code the module, test it and then take the module to integrate in the main project which always follows with bug fixing.

 Current week plan:

The Spring Break starts by the end of this week, by Friday we are planning to complete 82% of the Application Development which would leave us enough time to do channel remaining hours into web interface development and testing by week 12.

1. Code NetworkAndLocationChangeBroadcastReciever.java which detects the system changes like internet disconnect, location services disconnect.
2. Create Dialog for showing messages when internet and location are disabled.
3. Code Dialog for showing alert when the application is not able to connect to database or campus tour server.
4. Code DownloadManager for downloading the files from server.
5. Code unzip() method to unzip the downloaded files
6. Create a DownloadService.java which does above two tasks and which will be triggered once the university is selected.

Time estimate: Estimated work hours is 18 hours, apart from any time spent in meeting in class. Also the tasks above are planned for this week, they may change over the course of the week when tasks with higher priority are to be coded.

 Link to the repository:

Github: https://github.com/Nayanreddy/CrazyCoders.git