

## **Project Status Report #2**

**Team: Warrior**  
**Members: Qiao Ling Ye**  
**Su Yang Ye**  
**Li-Chung Chang**  
**Date: March 6**  
**Project: Live-Saving Aid**

### **Overview of Progress:**

Today is the end of 5th week since proposal, also is the end of second coding week. According to plan, we suppose to get the UI done before prototype presentation, but sadly, we only get part of it done for the presentation. After the presentation, Jenny (Qiao Ling Ye) continued with UI, Philip(Li-Chung Chang) was working on the server and Simon (Su Yang Ye) took the Message Sending and tracking part of the project. There is only one week between prototype week and 2nd report due day; Each of us encountered different problems during this week, thus we really don't have anything significant done at this point. so far what we have is a partially finished UI, a server for our project. For now, each individual will be working independently, but we will put everything together on the last week. We are aware that we are behind the schedule, and we will do our best to catch up for the remaining 3 weeks.

### **Problem Encountered and solution:**

#### **Jenny:**

so far, we have a navigation drawer that can lead to different fragment. but these are not enough. For my part of project, what I trying to do last week is to understand how to transition between activities and how each activities should handle it's fragment by learning and writing out the code from a textbook --<android programming, the big nerd ranch guide>. The textbook teaches reader to build a project which I think is really connect to our project. as the tutorial get more complex, problems arose. The biggest problem I facing for now is that simulator only show a blank screen when app is simulated, what suppose to happens is to show the layout that I specified. I currently have no idea how to fix this and I will continue to solve it. Plan for next few days is to get all the important xml files done and building dictionary, our team want some new changes to ULM so I will add those change to the existing one. if I would not fix the blank screen problem by the end of next week, then I will have to redesign UML to avoid this.

other things that I have not yet but will be works on are how to implement deleting, adding, editing an emergency of user's emergency list; How to insert web video into our android app. I will make sure I communicate with other team member so that UML can integrate well with their part.

#### **Simon:**

Recently, we are trying to implement the tracking functionality. But is hard to handle the usage of Mapping API. We need to use Mapping API to get user's location, and then send that location the server. But sending location is not as simple as sending string, so we have to learn how to package those information to a message and how the server receive those message and send the reply to the other clients.

**Philip:**

One of the difficulties that the team encounter is the relation management between users. Our current database schema cause redundancy of information within the database, and the shared information is not synchronize. Original schema is design to store friend information within the user information schema. Thus, if multiple users shared the same friend, the same information will be store across users. In addition, if the friend update his/her information, then there will be discrepancy of information in users.

The solution is to redesign the database such that information redundancy won't occur. For next three week, part of our team will focus on the database that stores user profile information, and relation between users. In addition, we will also do some further research on storing long string information such as first aid instructions.