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Sprint Evaluation

What is the progress of your project in this sprint?

In this sprint, progress of developing our application keeps continuing as it was planned.We dealt with different parts of the project and we overcame different hard tasks while developing application.In the beginning of the Sprint 1, we researched the applications which are resembling to our application and researched which tools were used while developing those applications.After the end of this research, we decided our system architecture and which tools we must use.After that, we did the system initializing such as creating and setting up Mysql Database, Web Server provided by department and Android Studio.Moreover,we gave up using Sqlite because we noticed that using Sqlite is redundant.After System Initializing,we started to split our tasks in parts and and each of us deal with different tasks.We spent our time mostly on the connection between Android Application,Web Server and Mysql Database such as sending user datas , getting user datas and parsing,sending images of the users.In addition to this,we also dealt with the location service provided by Google API.Updating online users' locations and sending these updated locations is done with the different Java Class.In this sprint,we finished the tasks in the Sprint 1 as stated in StartUp Document.Moreover,we finished some tasks except Sprint 1.As a result,we realized our plans in Sprint 1.Moreover, we have set the stage for Sprint 2.

What goals are achieved? What problems are overcome?

We have encountered different kinds of problems in our progress and many of them are overcome by now. In improvement stage, later on, we will encounter so many problems.Up to now, the problems we have encountered were system problems, client-server connection problems, learning android application development process difficulties and android timing problems. In client-server connection problems, at first we couldn't connect to the server from outside internet connection. Then we got a server from department which is open to every internet connection. In addition, in client-server connection, although we were able to send data from client to server and record them in database, we couldn't get data from server to use in clients. After trying HTTP Url connection, we have tried Volley library to fetch data from database. Finally, we have successfully sent data to server and fetched data from server with Volley. In our group, almost each one of us had not known android application process in detailed. As a result, we have experienced difficulties on learning process. However, up to now, we have learnt android programming process.

Up to now,
- login and register process has been done.
- for each user sending and recording their latitudes and longitudes on database frequently(every 5 seconds) have been done.
- retrieving and showing the data which are fetched from database have been done
- showing users which are recorded in database, on the map has been done.
- updating the locations of the users in every 5 seconds on the map has been done.
- with specified distance, showing the users which are inside the distance, has been done.
- zooming with including all markers has been done.
- sending images to database from clients has been done.

If you are updating your plans what are your justifications?

According to our plans at first, we had thought it would be enough to do market research, system initialize and login, register process. On the other hand, we have proceeded more than we expected.

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Team evaluation

How well your is team working together? How many meetings did you hold? Are you planning any changes in your cooperation strategy? Which work is completed by which member (in a Gannt chart)?

At the beginning of this semester, we were planning to be split into two parts to handle background and foreground works. However, we realize that there is no need to be split for the first stages of development. We are implementing new little features for NERS and gaining new skills for project creation simultaneously.

Our team is working as a whole, meeting every day. Every day, we work on or create task for every member, try to handle that task, discuss about every features. While working on our own tasks separately, we are communicating with and help each other.

Since our project is an idea project, we are not planning to change in cooperation strategy.

Task	Assigned Member	1st week	2nd week	3rd week
System Initialize	Mehmet Gençol	Android Studio setup were done.	Server with Mysql database is taken from department.	Required database tables were created.
Market Research	Oğuz Artıran	Market research were done.Required properties of application were searched.	Similar projects were examined.	System architecture was accomplished.
User and Map Processes	Ahmet Melih Gedikli	User class was created.Location of users were saw in map and these locations were updated periodically.	Distance propery was added.With this property, user could see the users in the area with specified distance..	Property of scaling the map was added.With using markers on the map, map was scaled.
User Registration and Login	Mustafa Murat Coşkun	User registration class was created.Users could register to the system with this property.	User login class was created.Users could login to the system with this property.	The new property was added into the system.With this property, users could send photo to the database and retrieve photo from database.

Backlog Updates

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What are your backlog updates?
After we examine the start-up document, we noticed that we did lots of things like locating users into the map, choosing radius from interface and thanks to this radius scaling the map from Sprint 2.According to these, we will plan to update our stuffs in tasks.