

Dr. Ribler

Software Engineering

Wifi Project Description and First Week of First Iteration

Our group is currently working on creating a wifi locator. Initially, when a user is outside of a building, he/she will be able to track the location of his/her phone using GPS (to some degree of accuracy).

However, GPS would not work accurately within enclosed regions, therefore our app would switch to a wifi locator mode. After creating an account on our website, users would be able to determine their locations using access points. Servers would determine a phone's location based on their proximity to access points (essentially routers) using the signal strength of detected network. The information gathered by phones would be stored in a mysql database on a server. Additionally, users would be able to attach information to locations (for example – call a location Room 113) as well as files and pictures. Our wifi locator project would be analogous to an enhanced GPS tracker for when users enter buildings.

Week 1 Iteration 1

- Researched what database software to use, settled on mysql due to our experience with it.
- Got the database user account and created a database.
- Met with Vietnamese group and briefly outlined our project and awaiting any responses.
- Talked with second group about possibly combining our efforts if nobody in Vietnam is interested (with permission from Dr. Ribler).
- Outlined the exact role of a user vs the role of an administrator, decided to create an extra column in the database to indicate whether or not a user is an administrator.
- Outlined the commands a user will initially be able to send to the server vs the commands an

administrator could send.

- Outlined administrator's role in spam and bad user management (how they will be deleted and tracked)