Ubiquitous and Mobile Computing
CS 525M: Mid-Project

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Problem Want to Solve

- Which hospital has the best rating from the patient?
- Which doctor has the best rating in the hospital?
- Which hospital has a specific machine? For example, not every hospital has Hemodialysis machine for dialysis patients.
Example to describe Medical Service Information System

- Joe, who is in a state of recovery from major surgery and uses several support services to facilitate their recovery. In Joe's city, there are a variety of support services available: physical therapy, support groups, pharmacies, etc. And for each support service there may be several locations that offer the same service.

- Joe's doctors want to track the progress of his recovery and his experiences with each of these service locations. They have provided Joe with an Android phone which contains an application that will help. This application will be able to download information about these services to Joe's phone which will allow him to know where these services are, a rating system about how applicable these services are to him, and provided directions through the Google Maps service to these locations. Joe will also be able to upload information about his visits to these locations back to the external service at regular intervals, so that his team doctors know what services he visited and how he rated those visits. The goal of my project is to implement such a system.
Design and Development of a Medical Service Information System (MSIS) based on Google Map

1. Database design
2. Mobile applications (The rest of the project)
3. Web server (The rest of the project)