**fEMR Project**

Team Members: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

**Project Overview**

fEMR is a free, open source Electronic Medical record system that is being used by medical groups who operate in underserved regions of the world. The simple and quick to pick up interface of fEMR sets it apart from other electronic medical record software in the fact that no training is required to use it. The EMR system is lacking one key component – data analysis.

**Project purpose, scope and objective:**

The purpose of the project is to create a data analysis portion of the fEMR product to assist team administrators in learning about the effectiveness of past trips.

How we incorporate the data analysis portion is up to us to decide. We have the option of integrating it into the existing product or to build it on our own as a separate module using technologies we are comfortable with.

The overall objective is to create a simple to use system to analyze important data already within the fEMR system. The short term goal of the fEMR project is to add minimal functionality that can be expanded upon in the future.

**Team organization (roles and responsibilities)**

Lead: Ken

To follow up with other team members and ensure work is submitted by the set deadlines. The team lead will also communicate with the client on behalf of the team.

Other Members: Arslan, Khoa

Specific Roles: We each will spend time working on all areas, but the assigned person is ultimately responsible for the completion of each piece.

* Research: Arslan
* Documentation: Khoa
* Testing/Debugging: Khoa
* User Interface: Ken
* Database: Arslan
* Architecture planning: Ken

**Problem Resolution policies**

In the event that a team member does not produce any work 2 hours prior to a due date, the team leader will inform the instructor and TAs of the incident. The other two members will then attempt to complete the work assigned to the unresponsive team member to the best of their ability.

**Project plan (iterations, project schedule)**

We will be meeting with the client weekly. For now we will meet on Mondays, and the dates and times can change in the future.

First Meeting: Monday Sept. 22

* Decide path we are going to take: Integration vs. Standalone
* Client will assist with getting development environment running on our machines
* Decide second meeting date and agenda.

First Prototype (October 8th):

* Major Goal: Medication Analysis mostly operational
* Tackle the smallest area first

Phase 2 (October 29th):

* Major Goal: Demographics and Vital Analysis Started
* Medication Analysis Complete

Phase 3 (November 12th):

* Major Goal: Demographics Analysis Complete
* Progress made on Vital Analysis

Project Completion (December 10th):

* All analysis areas completed

**Configuration management plan**

The FEMR project is already on github, so we plan to use github for version control. We will make a private repository available to us as group members, as well as to the client and TA. In the case that we extend the existing fEMR system, we will split off from the current development branch to add our new features to merge back in later.

**Technologies**

* Linux
* Java
* MySQL Database
* Play Framework (Backend), Scala (Frontend)
* HTML, Javascript
* Responsive Web Design