

Final Project Proposal – INFO 5100

Application Engineering & Development

Objective

“No obstacle is so big that one person with determination can't make a difference.”

The objective of this project is to demonstrate the Enterprise Resource model of a disruptive healthcare Startup organization that wants to change the efficiency & cost related to the Healthcare in USA. Along with the management of patient data with real time deliverable in order to track a patient's overall history and reduce the time consumption in treatment/detection under its Hospital enterprise, Health-Spring will have an enterprise each for Vaccination Centre, Blood Bank & Social Crowd-Funding which will cater to Terminal cases and raise full funds via CFR and philanthropic fundraising(connecting with various philanthropy Organizations). These funds will also help the company to do R&D in areas of rare diseases.

Proposal

You are required to develop an Ecosystem to demonstrate the health care management system prototype. User/Appointment manager can choose the doctor based on the symptoms and book an appointment from the given schedule. Doctor can submit the detailed report and Lab Manager can request for the lab test. Lab Reports will be sent to the user over mail. Vaccination Centre & Blood Bank will manage the requirements of the Hospital Enterprise and manage the inventory. Social CFR is a different approach to leverage the resources for raising funds for people who can't afford to pay for terminal cases/transplants/costly surgeries.

Enterprises

1. Hospital
2. Social Crowd-Funding Centre
3. Blood Bank
4. Vaccination Centre

Additional features:

1. Sending New Funding campaigns to Philanthropic funds via email notifications & lab reports over mail in pdf format and attaching the same to patient's history profile.
2. Locating nearest lab & Health-Spring center on google map.

Deliverables:

- A) The complete application
- B) Object model for the Health-Spring Management Application
- C) Presentation
 - a. The problem statements
 - b. Approach
 - c. Implemented Features
 - d. Architecture (roles and responsibilities)
 - e. Object model of the Health-Spring management application