

Sarah Yi and Leopold Ringmayr

03/24/2019

COMP 395

COMP 395 Final Project Proposal

Project Idea:

For our final project, we intend to create a website that uses a database to let hospices know room availability in facilities. The database would share a facility's location, phone number, and the rooms available. Our website will have a reserve function so that hospices may reserve a bed for a patient. Currently, the process of finding available rooms across different hospice facilities is difficult to coordinate—and oftentimes very stressful for the patient. Our centralized room booking service aims to address this issue by showing which facilities have open spots at a given time.

Technologies to be Used:

API Calls to be created on Spring Server:

/registerUser - Creates a user with username and password and stores information in database

/login - Verifies user login credentials and return a token for the client to use other API calls

/facilitySearch - Searches for facilities in database which match entered facility name

/reserve - User reserves a room, which makes the room not available anymore in the database

/cancel - User cancels a reservation, makes the room available in the database

HTML for the front-end of the website

MySQL database stores hospice, room, patient, and booking information.

Example Database Tables:

Facility

Location	Rooms Available	Phone number	Outreach person
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Room

Room number	Amenities	Availability
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Patient

Name	Patient number	Facility Reserved	Room Reserved	Special requirements
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Booking

Order number	Patient name	Date/Time
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Create a diagram showing the user flow for the program:

