

Project Milestone 2

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Project Features List with Functional/Non-Functional Components

1. Customer Profile

- a. **The customer profile will provide users with an account to enter their healthcare needs/preferences along with other personal data that will help parameterize their doctor browsing and enhance our doctor recommendation tool.**
- b. **Functional Components**
 - i. **Fields to input personal data such as name, birth date, etc.**
 - ii. **A selection array of physician-related problems that use keywords that enable us to sort users easily by their problems (ie physical abnormality or malady along with location and intensity)**
- c. **Non-functional components**
 - i. **The profile should be used in search results or doctor browsing to make results and browsing more relevant and reduce the time spent browsing.**

2. Doctor Browser

- a. **The doctor browser is the backbone of this project. Without it, this tool isn't impactful. The browser will be accessible with/without a profile. With a profile, the search results will be more tailored to the user's needs and preferences. Without it, the search will use the user's IP address (after asking for permission) to inform geographical search results. In addition to customizing search results with user-profile data, the browser will offer a parameter search functionality where users can check boxes of keywords related to doctoral specialization ranging from general forms like "pediatrics" to more granular parameters such as "orthopedic surgery" for "metacarpals of the hand."**
- b. **Functional Components**
 - i. **Search bar to input queries**

- ii. Drop-down parameter search that includes all doctor specializations and certificates, and search by rating/geographical location boxes.
- c. Non-Functional Components
 - i. Search should be displayed in a manner where rating and geographical location are prioritized even if it isn't explicitly checked in the query.

3. Doctor Review

- a. Doctor Review allows patients, users, and others to rate and review physicians and physician practices to make choosing a physician more quantitative. We, as a tech-savvy and e-commerce-obsessed civilization, have become accustomed to judging which product we purchase by analyzing the mountains of crowd-sourced reviews and data on Amazon, eBay, Yelp, or other sites. Why not bring this functionality to healthcare, where reviews and ratings could reduce human suffering and financial despair instantly without much intervention from a business. This sort of rating service can act as a free-market catalyst for healthcare. With more options on the table, patients will flock to those with the highest ratings and best reviews, and avoid those without. This will cause the lower rated doctors to review their best-practices and pivot their work to provide better care or go out of business from a lack of patients.
- b. Functional Components
 - i. Rating out of 5 stars.
 - ii. List of checkboxes with adjectives describing the care (ie "doctor was respectful, knowledgeable," etc.. or "care was effective", or "my malady/ailment was remedied.")
- c. Non-Functional Components
 - i. The rating system empowers patients to judge doctors by other patient reviews, a crowd-sourced rating system for healthcare services.

4. Optional Accessibility Adjustment to UI/UX

- a. This feature will pop up upon landing on the page to provide accessibility-formed alterations to the UI/UX to enable all patients with all disabilities to use the site.
- b. Functional Components
 - i. Pop-up screen upon landing on the page
 - ii. Option to incorporate accessibility adjustments (high contrast, color adjustment, button-size)
- c. Non-Functional Components
 - i. This will act as a funnel for people with disabilities so all people can use our website efficiently.

5. Recommending System for Physicians

- a. **Physicians will be able to recommend other physicians.**
- b. **Functional Components**
 - i. **Doctors will be able to search by name for physicians and endorse their skills alike linkedIn.**
- c. **Non-Functional Components**
 - i. **This will make doctor search even more effective since doctor endorsements can be a valuable tool to sort through potential doctors.**

6. Patient Complaint Page

- a. **Patients should be able to complain about a service provided by a physician or a Physician's practice and provide evidence or explanation to back up their claim.**
- b. **Functional Components**
 - i. **Button to access this functionality should be visible on Home page, in doctor browsing, and/or in profile.**
 - ii. **These formal complaints should be visible by the physicians that receive the complaint.**
 - iii. **Upload documents/pictures to back-up claims**
 - iv. **Explanation box**
 - v. **Option to be anonymous or not.**
 - vi. **Names of included parties**
 - vii. **Date**
- c. **Non-Functional Components**
 - i. **Doctors will then be able to formally address these complaints or receive a drop in their ranking.**
 - ii. **Patients who give validated formal complaints will receive follow-up messages from us to show that we have heard their complaint and intend to take it up with the physicians so they are held accountable for their actions.**

Project Plan

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Milestone 2 Project Plan

- Due on Sunday, March 10, 11:59 p.m.
- One submission per team posted to git

The project plan is the second major deliverable document required from your group project team.

All the information listed below must be included in your Project Plan write-up.

Project Features list	<ul style="list-style-type: none">• Document (as a bullet point list) the major FEATURES of your software application.• Each features should have a TITLE followed by a brief DESCRIPTION of that feature.
Requirements	<ul style="list-style-type: none">• Document the key FUNCTIONAL and NON-FUNCTIONAL requirements for a minimum of SIX features. Follow one of the formats/templates provided in class. Your application will likely have many more features, and you should create requirements documents for all the features. But for this milestone, you need only turn in SIX requirements documents.
Project Plan	<ul style="list-style-type: none">• Create a Project Plan in your chosen Project Management tool. May be a GANTT chart, Kanban board, or other suitable format.• The Project Plan should include each Feature that is to be developed.• The Project Plan should indicate the SEQUENCE of Sprints. That is, the plan should show in what order the features will be developed (designed, coded, tested, integrated.)• The Project Plan should show for each feature WHEN (by calendar date) the feature will be worked on.• The Project Plan should show for each feature WHO will be working on the development of the feature.• The Project Plan should result in a completed, working application that is ready to present by April 26.