

Project Plan

Project Executive Summary

See Project Executive Summary on GitHub

Overall Goals and Scope

The following features are considered “in-scope” for the project:

Feature	Description	Priority Level (P0 = highest)
User Accounts	Users will be able to sign up for and login to an account with a unique username.	P0
Recommended Questions List	Based on information from their initial sign up, users will be presented with a list of recommended questions.	P0
Search Functionality	Users will be able to search for a question, either verbatim (i.e. the search query appears in the question), through tags (i.e. the question is associated with the search query), or key words (P0
Question Submission	Users will be able to submit their own questions and tag them. Questions will go through quality check (performed by the clients) before appearing on the application.	P0
Question Rating	Users will be able to rate questions. The system for rating has yet to be determined, but the basic idea of a rating system will allow the “best” or most useful questions to appear first when users perform search queries.	P0
Question Saving	Users will be able to save questions to their account.	P0
Appointments	After saving questions to their account, users can organize questions by visit. That is, users who are preparing in advance for a consultation can create an “appointment” entity and move certain questions into that group.	P0
Consultation Recording	Users will be able to use the app to record conversations held with physicians during consultations. They can directly associate recordings with questions if the recording contains an answer to a particular question.	P1

Recording Annotation	Users will be able to annotate their recordings to “flag” important moments in the conversation.	P2
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The following features are **not in scope** for the project:

- Messaging functionality within the application between users
- Web version of the application

Design Goals

The design for the application is focused on maximizing **extensibility** and **easy maintenance**.

We prioritize extensibility in two ways. First, we want our application to be easily deployed on different devices (i.e. platform extensibility). Second, we want our application to be easily scalable. The first goal will be achieved in part through our use of Xamarin, which will allow the application to be deployed to three different mobile devices: iOS, Android, and Windows Phone. The second extensibility goal will be achieved through careful design of the code, in addition to the use of a reliable cloud infrastructure such as Microsoft Azure to host our data.

Our application must be easily maintained by the clients after its completion. Given the large volume of data that will be flowing in through the application, the clients will need an easy way to review the data. Allowing for easy maintenance of the application will require us, as designers, to create infrastructure on the database/server end that the clients can use.

Dependencies

We will need the following information/resources from the clients:

Item	Status
Sample questions for the prototype	Delivered
Sample tags for the prototype	Delivered
UI color scheme and application logo	Pending
Finalized name for the application	Pending
Finalized summary of HIPAA restrictions	Pending
Purchase of Xamarin Business licenses	Delivered
Payment for Microsoft Azure hosting fees	Delivered

Concerns

There is still some ambiguity regarding the application’s compliance with HIPAA regulations. Moving forward, we will need to resolve these ambiguities to determine what features can be included in the application.

Team Organization

Name	Position	Responsibilities
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Rebecca	Project Manager	<ul style="list-style-type: none"> • Management of project deliverables and adherence to timeline • “View” components of the frontend
Jonno	Technical Lead	<ul style="list-style-type: none"> • Technical recommendations • Backend (database/server) components
Kevin	Business Analyst/Quality Control	<ul style="list-style-type: none"> • Communication channel between client and team • “Model” components of the frontend

Task Deliverables for each of the Sprints

Sprint	Deliverables (by Feature Name)
Sprint #1	User Accounts Recommended Questions List Question Saving
Sprint #2	Search Functionality Question Submission Question Rating
Sprint #3	Appointments
Sprint #4	Consultation Recording Recording Annotations