* **User Stories Backlog**. Create a [**Backlog**](https://en.wikipedia.org/wiki/Scrum_(software_development)#Product_backlog) of as many [**User Stories**](https://en.wikipedia.org/wiki/User_story) as you can come up with based on the project's scope determined by your [**Project Contract**](https://www2.cs.duke.edu/courses/compsci408/fall20/assign/index.php#ProjectContract). *Note this Backlog should be updated throughout the semester as new possible features are discussed*.
  + [Product Backlog](https://docs.google.com/spreadsheets/d/1u4l2S40xK0f8pH0pMI9q6CdbwnaT5X3woQ_UNZ4ySqU/edit#gid=0)
* **Feature Deliverables for each Sprint**. Based on the scope of the project and your design goals, prioritize general feature sets for each Sprint during the rest of the semester. Your goal for each Sprint is to have a working app to demo to the client made up of related features that provide clear value to the Client, rather than a set of "technical tasks" whose value may be hard to demonstrate in such a way that the client can appreciate. Features will likely include both a user interface component as well as backend support and be reasonably sized enough that you have confidence they can get done during a Sprint.

**Sprint 2 - Prototype (Most Basic Features)**

*Basic minimal end-to-end version of the project's most important features to get a quick sense of how it will work*

Front-end:

* bootstrap/styling /icon/logo
* Login Page
  + Form with inputs : 3
  + Create login button and Clicking “Login” will lead to Landing Page : 2
  + Create signup button and Clicking “Sign Up” will lead to Sign Up Page: 2
  + Display logo at top: 1
* Sign Up Page
  + Form with inputs
    - Field for phone number, email, name : 2
    - Dropdown for DOB : 5
  + Clicking “Register” will lead to Landing Page : 2
  + Clicking “Already have an account?” will lead to Login Page : 2
  + Display logo at top : 1
* Do the routing
* Landing Page (Visit Journals)
  + Search bar (non-functional) : 5
  + Scrollable feed with mock data : 8
  + Navigation bar (non-functional) : 8

Back-end:

* Create Django skeleton
  + Link UI code to display

**Sprint 3 - Baseline Prototype (Core Functionality)**

*Basic version of the project's core functionality, perhaps using some real data or more robust implementation*

Front-end:

* Navigation Bar (functional) 5
  + Routing between views (mostly done in past sprint) 2
  + Non functional user profile page?
* Recording Screen
  + Initial page with information 2
  + recording icons 2
  + Play/pause buttons 2

Back-end:

* Configure GCP tmr
* Deploy backend 3
* Database schema 3
  + Design Database Schema for User
  + Design Database Schema for visit journal
  + Design Database to store recording transcript
  + Code the Schema in Django
* Store audio in binary format 4
* Connect with Google Speech API (collaborative) 5

**Sprint 4 - Alpha (Partial Full Functionality)**

*Basic minimal quality version of as many of the project's features as possible*

Front-end:

* Visit Journal screen
* Forgot Password Page

Back-end:

* Upload video file to Google Cloud
* Create, read, update, delete functionality for users, visit transcriptions, journals
  + Sign-up, log-in

**Sprint 5 - Beta (Full Functionality)**

*Robust version of all of the project's features and design goals*

Front-end:

* User Profile
* Recording Loading Page (generating script)

Back-end:

* Forgot password functionality

Sprint 6 - Production (Robust Full Functionality)

*Final version of the project with robust and full functionality, including UI polishing and any updates in response to the Client's User Testing*

Front-end:

* FAQ page
* Edit User Profile page

Back-end:

* Search function for visit journals
* **Data Needs**. Because user data is regularly stolen, sold, or used inappropriately, it is becoming an important issue for both companies, customers, and lawmakers. Mozilla and other companies have started championing [**Lean Data practices**](https://www.mozilla.org/en-US/about/policy/lean-data/) to minimize what data is needed to run their apps. *Justify your user data needs and practices* (which will likely require a team discussion with your client).

1. First and Last Name: legal for doctor purposes we need that information to link patients and their doctors
2. Email: we need or phone number to verify the account and send forgot password information to
3. Password: needed for security purposes to keep their own visit information private
4. Physician list & their facilities: needed to know where the physician is, their information & help patients keep a record for where their visits take place
5. Address: we mentioned that could potentially add it in case doctors have to go do at home visits, but potentially will not be needed
6. Visit information, including Diagnosis, Medication & Prescriptions etc: needed for the purpose of the app in general, this information will be encrypted
7. Access to their microphone: needed in order to record the visit, however we can access during the recording will not be recording other audios

* **Team Roles for each Sprint**. Take responsibility for specific [**team roles**](https://www2.cs.duke.edu/courses/compsci408/fall20/assign/roles.php) during each Sprint during the rest of the semester. These roles may be fixed, but more likely will rotate among team members during the entire semester.

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