Demo Day Script

Pitch:

Security, accuracy of information, and functionality are critical aspects of my application.

I wanted to make this a safe space for parents to share personal information and find care and support during this vulnerable time. Visibility settings allow me to restrict access to personal information based on parent preferences.

As parents needs evolve and doulas’ services change, I want my users to be able to keep their profiles updated.

Testing the application enabled me to demonstrate that I could accurately store data and maintain a usable application. It also gave me time to consider additional security measures (injection attacks, being able to hack into the database and obtain user information) that would enhance user experience.

Why would one user class that the two types inherit from be better?

* ideally each user would have a unique id
* unique user ids would enable me to use a single user database to query users
* in python, I could use a User class that each user type would inherit from to control user id assignment

Why is it important that there are two user types?

* patients want privacy
* they have different needs
  + doulas are here to vendor a product
  + patients are seeking a service
* allows me to assign correct permissions

What was the most challenging part of the project?

* Testing!
  + Did not cover it in course, so had to learn outside of instruction
  + Learning how to refactor code
  + Making smart choices about refactoring code so that I’m testing parts of my application that are necessary for functionality
* If they ask what you mean --
  + learning how to evaluate what a payload includes
  + learning how to set up test databases and test users

What do you want to do? What kind of role?

* web application design
  + programming for business logic (creating user types, understanding relationships among users, optimizing for user experience)
  + leveraging background in statistics (MPH) for data engineering
  + using python, ruby, javascript; some interest in d3, data viz

What do you wish you had known before you started this project? / what would do differently if you were to start over?

* database design
* writing code for testing
* maybe sketch out messaging tooling, calendar functionality, search based on preferences

Additional things I would do:

* increased security
* messaging (secure)
* calendar
* more testing
* postgres database/deploy to Heroku
* increased search capability
* see above

How things work

x-editable

Flask

DB structure

Python Unittest

PyQuery