Requirement solicitation exercise:

Goal: to empower women diagnosed with high-risk pregnancies to assemble a team of providers to help manage their care. Ideally, these providers would be part of a medical home group: a group that has decided they want to be available to be contacted by patients who are at risk of developing serious pregnancy related complications . The goal is to facilitate easy communication between providers and patients and improve quality access to care.

Patients should be able to create a profile.

Patients should be able to select a primary care provider: OB/GYN MD, NP , or Midwife?

Patients can have only one primary care provider.

Patients should be able to select specialists that they want to have as part of a care team.

A patient can have only one provider in each of the available specialties, a max of 3-4 providers.

Before a patient logs in, they can search providers by specialty and see who is available, but cannot add providers to their care team until they are registered/have a profile and an active login session.

After logging in, a button to add a provider to the care team will be visible on the provider’s profile card.

Patients can add and remove providers from their care team.

Patients can message/communicate with providers that are part of their care team.

Patients can receive message from providers.

Patient profiles will be stored in the database.

Ideally, all HIPAA protected information should be encrypted. This includes:

* Patient name
* Patient address(street number)
* Patient email
* Patient phone
* Patient password
* Messages
* Responses

Doctors can view how many patients they have.

Doctors can click on a patient profile in their group and see patient information and any messages from patients.

OR: Doctors can see all messages from patients. Doctors can respond to messages from patients.

Doctors can send info to patients about their medical conditions.

Doctors can message other doctors too…..

Administrators can: add doctors to care home.

Administrators can view all doctors and all patients.

Administrators can re-set patient passwords?

What else?

I mean, it would be cool to have a resources page that patients can access to view more information about any of their diagnoses or

Need a database, encryption, data modeling, seed data

ALSO NEED: to pull provider info from NPPES so I can build realistic seed-data on providers

Narrow down the provider types that would be beneficial in managing at-risk pregnancies;

Pull fake people-info from randomUserAPI to use as seed data for doctors and patients.

\*\*\*learn about encryption for databases; which is the most secure that I can easily pull off.

\*\*\*decide on a way messages can be archived/stored:

* How far back should they go?
* Will this be a blog-style messaging app or a real-time messenger?
  + Blog style seems more practical, as providers will also have clinic to do; won’t be on the app all day.
  + OR if patient and provider schedule a time to meet and talk then:
    - Chat room appointments?
    - Build appointment sheet that patient can see provider schedule and select available online appointment?
    - Chat-room opens up at appointment time?