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GitHub link: https://github.com/JessicaBarnitz/csci4448.git

Title: Healthcare Portal

Description: A healthcare portal for a medical office that schedules upcoming and previous patient appointments and securely maintains the patient's health record.

Actors: Healthcare Providers, Admin, Patients

Functionality:

1. Patients can sign up for the portal
2. Admin can add patients to the portal
3. Healthcare providers, admin, patients can log in
4. Patients can request an appointment for a healthcare provider
5. Admin, Healthcare provider can schedule/reschedule appointments for the healthcare provider
6. Admin, Healthcare providers have full access to the medical office schedule
7. Healthcare providers, Admin can search for a patient by name or patient number
8. Healthcare providers, Patients have full access to patient medical information
9. Healthcare providers, Admin, Patient have full access to patient personal information
10. Admin, patient have full access to patient billing information
11. When healthcare providers refer patients to outside healthcare providers, they can share the patient's medical information for continuum of care, with patient consent

[OPTIONAL] Stretch Functionality:

1. Provide healthcare provider information on possible diagnosis given patient symptoms
2. Link lab results and/or diagnosis with dietary interventions
3. Patient portal linked to patient's smart watch and/or real-time medical devices (glucometer, pace maker, blood pressure monitor etc.)
4. Show statistics of patient usage of portal and health outcomes
5. Healthcare provider continuing education feature