Name: Jessica Barnitz

Title: Healthcare Portal

## **Project Summary:**

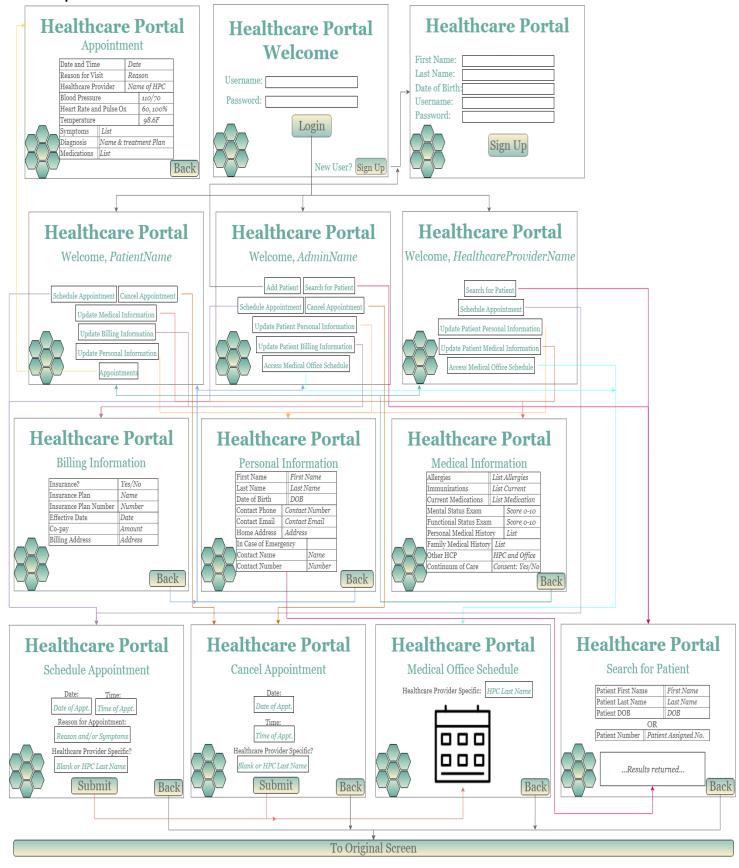
A healthcare portal for a medical office that schedules upcoming and previous patient appointments and securely maintains the patient's health record. Once this system is complete patients can sign up for the portal, log in, request an appointment for a healthcare provider, have full access to their personal information, medical information and billing information, and give consent to share their medical information. The medical office admin can sign up and log in, add patients to the portal, have full access to the medical office schedule, can schedule/reschedule appointments for the healthcare provider, can search for a patient by name or patient number, and have full access to patient personal information and billing information. The healthcare providers can sign up and log in, have full access to the medical office schedule, can schedule/reschedule appointments for the healthcare provider, can search for a patient by name or patient number, have full access to patient personal information and medical information and when healthcare providers refer patients to outside healthcare providers, they can share the patient's medical information for continuum of care, with patient consent.

## **Project Requirements:**

| REQ ID  | NAME OF RESPONSIBILITIES |                     |  |  |  |
|---------|--------------------------|---------------------|--|--|--|
|         | REQUIREMENT              | AS A                | I WANT TO                                  | SO THAT  |  |
| UR-01A  | Sign up                  | Patient             | Sign up for the healthcare portal          | I can access the healthcare portal   |  |
| UR-01B  | Sign up                  | Admin               | Sign up for the healthcare portal          | I can access the healthcare portal with privileged access  |  |
| UR-01C  | Sign up                  | Healthcare Provider | Sign up for the healthcare portal          | I can access the healthcare portal with privileged access  |  |
| UR-02A  | Add patients             | Admin               | Sign patients up for the healthcare portal | The patient can access the healthcare portal   |  |
| 110.004 |                          | D. I.               |  |  |  |
| UR-03A  | Log in                   | Patient             | Log into the healthcare portal             | I can access the patient healthcare portal and<br>the corresponding functionality which includes<br>my personal information, medical information<br>and billing information  |  |
| UR-03B  | Log in                   | Admin               | Log into the healthcare portal             | I can access the medical office admin portal and<br>the corresponding functionality which includes<br>access to patient personal information and<br>billing information      |  |
| UR-03C  | Log in                   | Healthcare Provider | Log into the healthcare portal             | I can access the medical office healthcare provider portal and the corresponding functionality which includes access to patient personal information and medical information |  |
|         |                          |                     |  |  |  |
| UR-04A  | Request<br>Appointment   | Patient             | Request an appointment with a certain HCP  | I can see my healthcare provider in person on day and time requested   |  |

| REQ ID  | NAME OF                           |                     | RESPONSIBILITIES  |  |
|---------|-----------------------------------|---------------------|---|--|
| TILE ID | REQUIREMENT                       | AS A                | I WANT TO   | SO THAT  |
| UR-05A  | Schedule<br>Appointment           | Admin               | Schedule an appointment for a patient with a certain HCP                | The patient will see their chosen HCP on the day and time requested, HCP schedule permitting                               |
| UR-05B  | Schedule<br>Appointment           | Healthcare Provider | Schedule an appointment for a patient for a follow up visit             | The patient will have a follow up visit scheduled prior to leaving the current appointment                                 |
|         |                                   |                     |   |  |
| UR-06A  | Cancel<br>Appointment             | Patient             | Cancel an existing appointment  | I can cancel an existing appointment with my healthcare provider if I am not able to keep the appointment                  |
| UR-06B  | Cancel<br>Appointment             | Admin               | Cancel a patients existing appointment with HPC                         | At the patients request, cancel an existing appointment and free the appointment time in the healthcare provider schedule  |
|         |                                   |                     |   |  |
| UR-07A  | Access Medical<br>Office Schedule | Admin               | Have full access to the medical office schedule                         | I can schedule or reschedule a patient who wants to see a certain healthcare provider                                      |
| UR-07B  | Access Medical<br>Office Schedule | Healthcare Provider | Have full access to the medical office schedule                         | I can determine what patients I have for the day and schedule follow up visits with patients                               |
|         |                                   |                     |   |  |
| UR-08A  | Search for<br>Patients            | Admin               | Search for a patient by name or patient number                          | I can access their account for updating patient personal information and/or billing information                            |
| UR-08B  | Search for<br>Patients            | Healthcare Provider | Search for a patient by name or patient number                          | I can access their account to review the patient personal information and/or medical information                           |
|         |                                   |                     |   |  |
| UR-09A  | Continuum of<br>Care              | Patient             | Permit or Deny sharing of my medical records                            | I can determine who accesses my medical information outside of my HPC's medical office                                     |
| UR-09B  | Continuum of<br>Care              | Healthcare Provider | Share a patient's medical records with express patient permission       | When I refer patients to outside healthcare providers, I can share the patient's medical information for continuum of care |
|         |                                   |                     |   |  |
| UR-10A  | Appointment                       | Healthcare Provider | When a patient comes in for an appointment I want to diagnosis symptoms | I can provide patient care and prescribe medications as necessary and have an accurate log of patient encounters           |

## **UI Mockups:**



## **Class Diagram:**

