

SWEN261 Team - D

R2 Demonstration

HealthNe 

Team Members

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Michael Hopkins, Test Coordinator

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Presentation Schedule

General Product Design

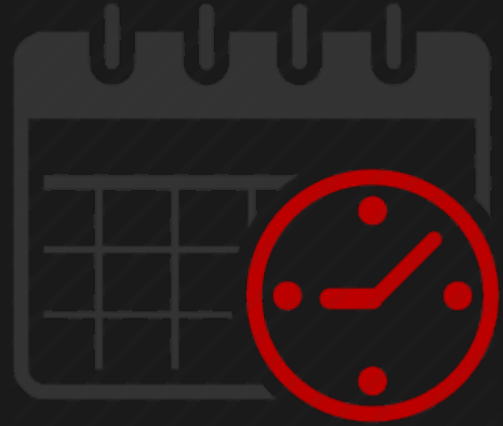
Special Requirements for our client

Product walkthrough

Demo Presentation

Known Bugs

Reflections



General Design of the Project

The design was focused on being user friendly.

We created a design and color scheme that we implemented into every view making sure to not change the experience with each new page.

We made things work as the user would want them to work.

For example: Admins are able to log in at the general user login page and will automatically be taken to the admin page.

The user's experience is streamlined and focused to help productivity and usability.

Special Requirements

We have two differences when comparing our product to similar applications. These changes were documented and accepted by our client.

The two differences are:

We removed the Upload requirement. Instead we implemented a notification system that provides information to the users.

Nurses were originally required to view prescriptions. We talked to our client and removed that requirement. Instead they can now admit and discharge patients.



Special Requirements (cont.)

Notification System

The notification system alerts users whenever a new change is made.

Notifications are produced for Medical Test results, new prescriptions, new appointments, and new messages.

Nurse Admit/Discharge

We felt that nurses do not need to see prescriptions because they can see it normally on the charts when they interact with patients. Instead they can now Admit/Discharge patients because they are the people that handle walk in patients.

Demo Presentation

Agenda:

Patient Registration / Profile Editing

Administrator Registration | Changing user permissions

Update Medical Information and Patient Transfer

Admitting and Discharging

Changing Primary Physician

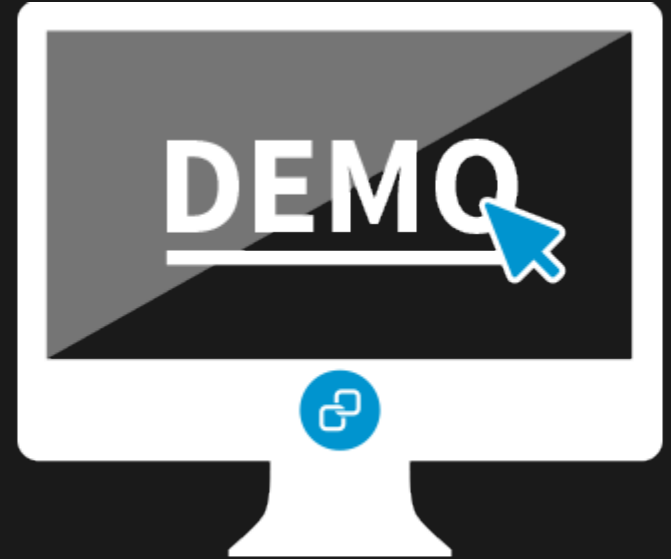
Create, Delete, and View Appointments

User permissions and functions

Add, Remove, and View Prescriptions and Release and View Test Results

Logging System and Activity Log

System Statistics



Our Testing Process

When we implemented a feature we ran testing for that feature.

Testing was done by running the app and trying to perform a function.

Any functionality that was missing we were able to easily correct.

We implemented a function that produces a partially filled database. This function is called whenever there is no database present.

Our Test Cases

12	Update Patient Profile Information	1) User is currently at the Edit Account Information page	1) User leaves a required field empty 2) User presses the Submit button	User is informed of empty field and kept at the Edit Account Information page	
13	Update Patient Profile Information	1) User is currently at the Edit Account Information page	1) User presses the Cancel button	User is taken to View Profile page, with information unchanged	
14	Create or Update Patient Appointment	1) User is currently logged in	1) User selects the Appointments dropdown 2) User selects the View Appointment button	User is taken to the Calendar View page	
15	Create or Update Patient Appointment	1) User is currently logged in	1) User presses the Appointment dropdown 2) User selects the Make Appointment button	User is taken to the Make Appointment page	
16	Create or Update Patient Appointment	1) User is currently logged in	1) User presses the Appointment dropdown 2) User selects the Make Appointment button 3) User enters valid time and leaves description blank 4) User presses the Create button	User is take to the Calendar view or list View page with the new appointment available to view	Appointment does not show in Calendar View when no description is provided
17	Create or Update Patient Appointment	1) User is currently at the Calendar View page 2) User has at least one appointment scheduled	1) User selects an Appointment in the Calendar of a valid appointment	User is taken to the Edit Appointment page	
18	Create or Update Patient Appointment	1) User at the Edit Appointment page	1) User enters new valid information into the description box 2) User presses the Save Changes button	User is at the Edit Appointment page with the updated desription	
19	Create or Update Patient Appointment	1) User is logged in 2) User is at the Make Appointment page	1) User selects an invalid time 2) User enters valid information for all other fields 3) User presses Create button	User is informed time is not valid and kept at Make Appointment page	
20	Create or Update Patient Appointment	1) User is at the Edit Appointment page	1) User selects a new valid date 2) User presses the Save Changes button	User is at the Edit Appointment page with the updated date	
21	Cancel Patient Appointment	1) User is currently logged in as a Patient 2) User is at the Edit Appointment page	1) User presses the Delete button	User is taken to the Calendar View page or List view, with the deleted appointment no longer viewable	

Known bugs/Problems

Scarce warning system

Appointment editing does not work as intended

If a field is left blank when creating a new prescription, the site will crash

When a nurse makes an appointment, the name of the Dr appears as "Dr. LastName"



Reflections

Things we would have changed:

1. A better warning system
2. Negotiation of extraneous requirements

Things that we wouldn't have changed:

1. User design and experience
2. Moisés being late...

Any Questions?