SE 492 – sdmay21-44

Inpatient Therapy Scheduling Tool

Biweekly Report 2

Feb 22nd-Mar 1st

Client: UnityPoint Health Des Moines

Faculty Advisor: Mathew Wymore

Team Members:

Alexis Cordts—*Team lead, Backend Developer*

Lucas Knoll—*Backend Developer*

Timothy Ngo—*Backend Developer*

Megan Bailey—*Frontend Developer*

Andrew Swenson—*Frontend Developer*

Veronica Torres—*Frontend Developer*

Weekly Summary

This week frontend completed all their respective original UI additions and backend is still working on completing the API. We also met with Unity Point and they gave us multiple UI and implementation changes that have either been completed this sprint or next sprint.
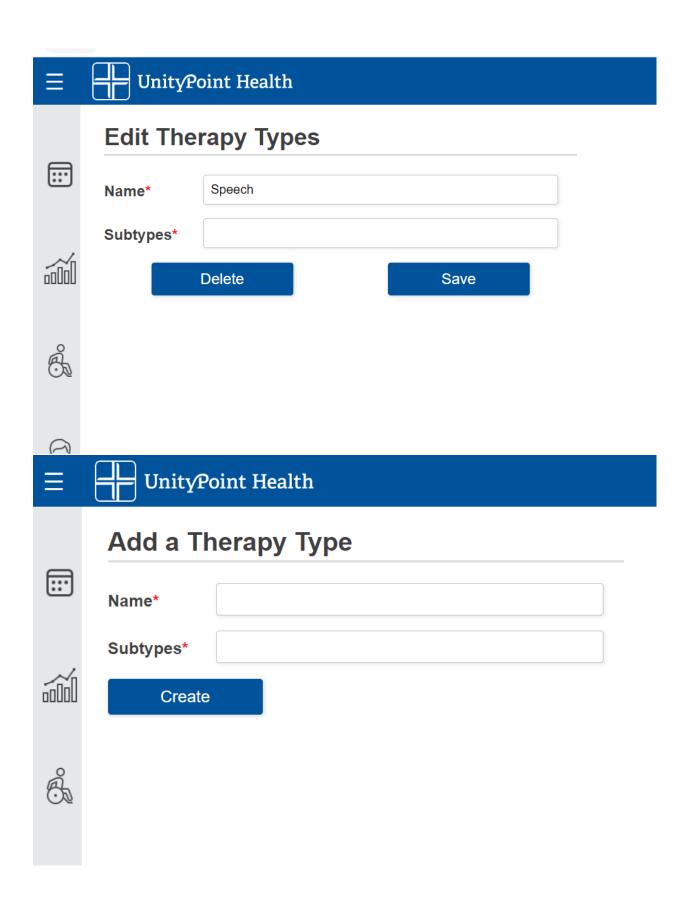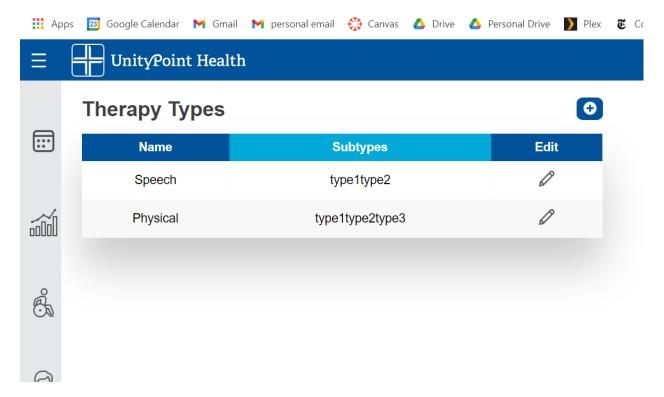
Past two weeks accomplishments

Alexis Cordts: Development of the patient test for the API. Met with backend and contributed to a more extensive task board. Lead client meeting with demos for then to give feedback on. Started room API.

Lucas Knoll: Completed the patient activity model, controller, service, and test for the API and started to work on the patient event model, controller, service, and test for the API. Refactor code to fit new database schema. Meet with backend and contributed to a more extensive task board.
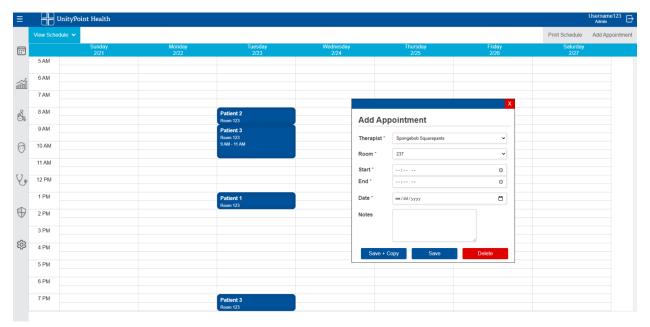
Timothy Ngo: Refactor databased, refactored C# backend to match new database, created new insert database data, cleaned/reformatted Location and Therapy PR, created Permission model, service, controller, and tests, created Permission PR. Meet with backend and contributed to a more extensive task board.
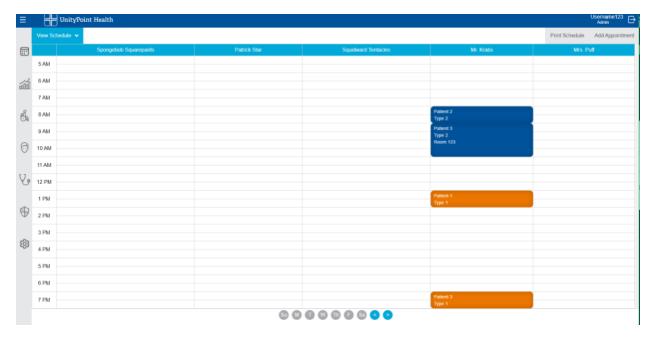
Megan Bailey: Development on new pages for therapy type management on the frontend. Development of the create update and delete therapy type UI and logic.

UnityPoint Health

Edit Therapy Types

Name* Speech

Subtypes*

[Delete]   [Save]

UnityPoint Health

Add a Therapy Type

Name*

Subtypes*

[Create]

Andrew Swenson: Added missing icons on Nav bar, changed schedule/dashboard to fill up more screen, added room/location schedule views. Added all therapist schedule view and add appointment screen. Added appointment form and print functionality to UI.

Veronica Torres: Worked on integration plan with project backend endpoints. Updates all UI updated from client including title placements and back shadow on elements across the UI.

Pending Issues

Backend—Pending issue for how we are going to deploy the application and we are still waiting on material from client. Waiting on print plugin documentation and Azure AD documentation from client.

Frontend—Pending issue waiting for backend to finish all API endpoint so they can start integration.

Individual Contributions

Names	Individual Contribution	Hours in 2 weeks	Hours Cumulative
Alexis Cordts	Patient API and weekly documentation	7	32
Lucas Knoll	Patient activity API completed	7	31
Timothy Ngo	Permission API	10	40
Megan Bailey	Therapy type CRUD	10	36
Andrew Swenson	Room View and add appointments	10	34
Veronica Torres	Integration	6	32

Plans for upcoming weeks

Complete API—*Alexis, Tim, Lucas*

    Alexis: Patient, Room, Appointment API

    Lucas: Patient Event, HoursWorked API

    Tim: TherapistEvent API

Research Print plugin—*Alexis, Tim, Lucas*

Research Azure AD—*Alexis, Tim, Lucas*

Frontend integration—*Megan, Andrew, Veronica*

> Backend is sending endpoints to front end so that the application can be connected from frontend and backend.

Client Updates—*Megan, Andrew, Veronica*

> Add appointment needs subtype of therapy.
>
> Special permission on delete from the frontend.
>
> Checks on appointment conflicts on frontend.

Advisor Meetings

We met with Mat 2/23 for Standup

We met with Unity Point 2/26 for a biweekly standup and product demo and feedback.