SE 492 – sdmay21-44

Inpatient Therapy Scheduling Tool

Biweekly Report 4

Mar 2nd -Mar 15th

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

Overall, as a team we are starting to integrate the backend API request to frontend. We currently have 2 more APIs to complete until the backends initial code base will be complete. Once we have the MVP complete in the next sprint we are really going to narrow in on any bugs, more security features, user privileges, and any additional feature the client may ask for. Frontend has all main UI features completed and backend is finishing a final push for the API and testing.

Past two weeks accomplishments

Alexis Cordts: Requested a VM to host the application on. Completed Patient model, controller, service, and fake data generator, permission service, controller and integration test fixes after the first PR. Currently finishing testing for the Room API and starting in on the last API model, Appointment.

Test	Duration	Traits	Error Message
▲ ✓ InpatientTherapySchedulingProgram...	5.2 sec		
▲ ✓ InpatientTherapySchedulingProgra...	105 ms		
▷ ✓ PatientControllerTests (17)	49 ms		
▷ ✓ UserControllerTests (21)	56 ms		
▲ ✓ InpatientTherapySchedulingProgra...	443 ms		
▷ ✓ LocationControllerTests (23)	296 ms		
▷ ✓ PermissionControllerTests (15)	39 ms		
▷ ✓ TherapistActivityControllerTests (...	46 ms		
▷ ✓ TherapyControllerTests (25)	62 ms		
▲ ✓ InpatientTherapySchedulingProgra...	4 sec		
▷ ✓ LocationServiceControllerTests (33)	3.2 sec		
▷ ✓ PatientServiceControllerTests (20)	96 ms		
▷ ✓ PermissionServiceControllerTests (..	281 ms		
▷ ✓ TherapistActivityServiceController...	54 ms		
▷ ✓ TherapyServiceControllerTests (37)	147 ms		
▷ ✓ UserServiceControllerTests (27)	181 ms		
▲ ✓ InpatientTherapySchedulingProgra...	710 ms		
▷ ✓ LocationServiceTests (25)	48 ms		
▷ ✓ PatientServiceTests (17)	144 ms		
▷ ✓ PermissionServiceTests (16)	179 ms		
▷ ✓ TherapistActivityServiceTests (18)	131 ms		
▷ ✓ TherapyServiceTests (27)	92 ms		
▷ ✓ UserServiceTests (22)	116 ms		

Lucas Knoll: Completed PatientActivity fake data generator, permission service, controller and integration test. In progress, on PatientEvent model, controller, and service classes

Timothy Ngo: Created Permission interface and service, refactored permission controller, created permission fake data generator, permission service, controller and integration test, create therapist event fake data generator, and therapist event service, controller, and integration tests.

Megan Bailey: State management for therapy subtypes.

Edit Therapy Types
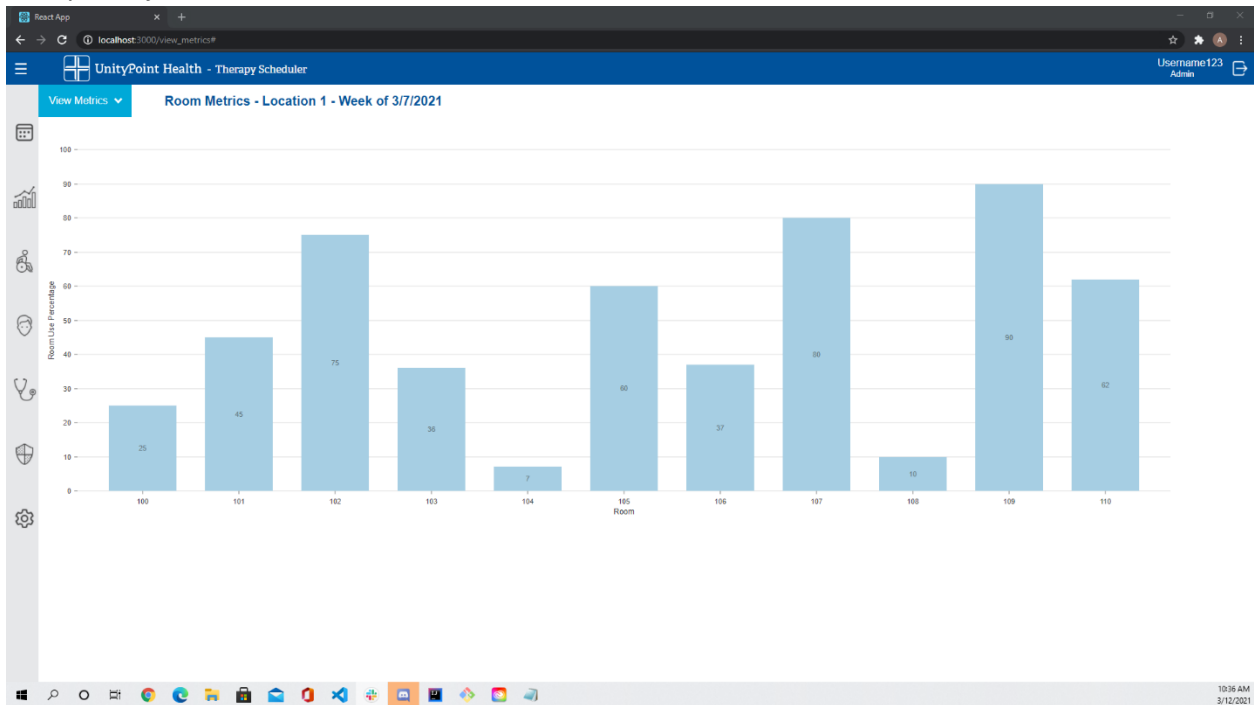
Name*   Speech
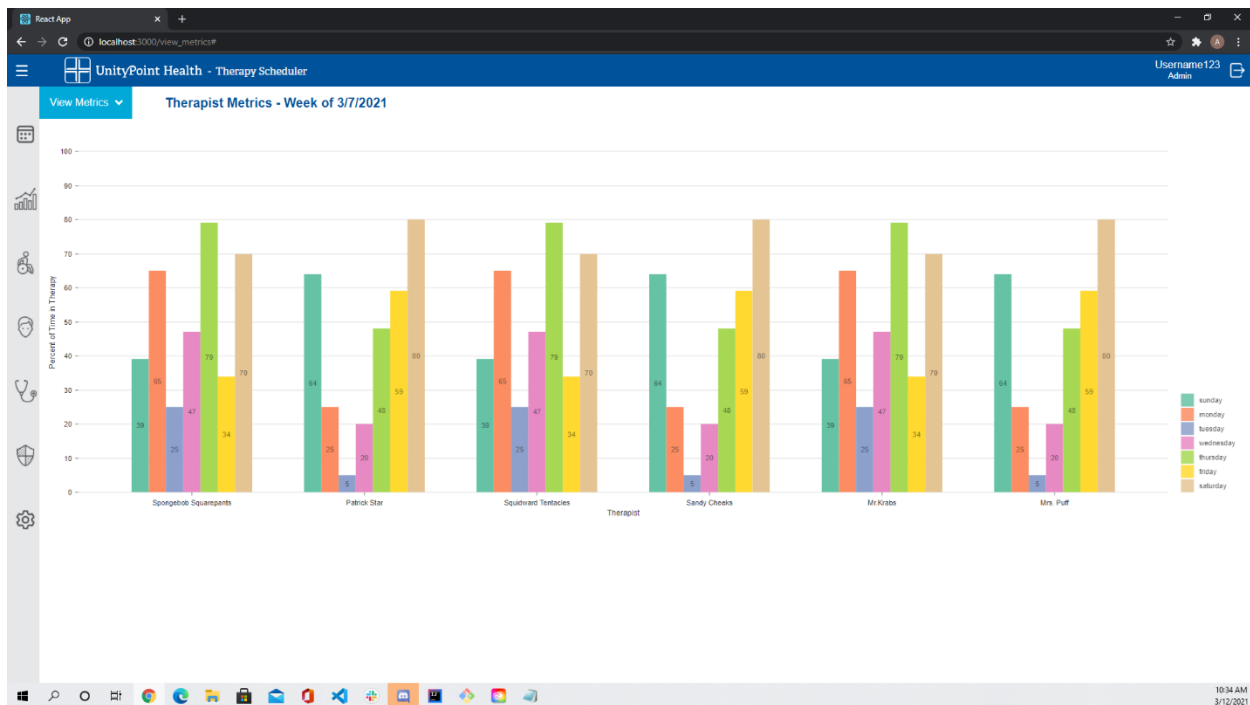
Subtypes*   Subtype1

Subtype2

Subtype3

[Delete]   [Save]

Andrew Swenson: Worked on the pages for therapists and admins to view metrics for therapists, rooms, and patients. Enhanced the schedule screen with scrolling option, ability to view metrics, and adding ability to adjust column width.

Veronica Torres: Worked on integration with the login based on a username with backend information, patient view UI updates, and troubleshooting patient add/delete with backend endpoints.

Pending Issues

Backend—Pending new updates from the client on soft deletes of important data.

Frontend—Pending issue waiting for backend to finish all API endpoint so they can start integration. More detailed documentation on the requirements of metrics and subtypes from the product owner.

Individual Contributions

Names	Individual Contribution	Hours in 2 weeks	Hours Cumulative
Alexis Cordts	Room API, Patient API Bug Fix, and weekly documentation	12	44
Lucas Knoll	PatientActivity test and PatientEvent API	10	41
Timothy Ngo	Permission API and TherapistEvent API	18	58
Megan Bailey	Therapy Subtype	10	46
Andrew Swenson	Metric UI	10	44
Veronica Torres	Integration	12	44

Plans for upcoming weeks

Complete API—*Alexis, Tim, Lucas*

Alexis: Room Testing & Appointment API

Lucas: PatientEvent API

Tim: Endpoint testing

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 Feature Updates—*All Team*

Permission on Printing capabilities

Add Admin report for metrics

Format date information from database

Delete confirmation

Soft delete—Patient Database refactor

Auditing for HIPPA

Advisor Meetings

Met 3/2 for weekly standup with Mathew Wymore and team.

Met 3/9 for weekly standup with Mathew Wymore and team and additionally discussed timeline for the project

Met 3/12 with client to demo new UI features and receive input from the team at Unity Point.