

SE 492 – sdmay21-44

Inpatient Therapy Scheduling Tool

Biweekly Report 6

Mar 30th-Apr 12th

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

The last two weeks our main focus has been to work on integration of the backend and frontend. With more information from our client we had to refactor the database again and all of our http request for the API. This week we also sent a demo to the client for them to showcase across their company for feedback. Increased client meetings to weekly for more feedback.

Past two weeks accomplishments

Alexis Cordts: Worked on the API for appointments, including documentation, model, service, controller, and test as well as refactoring for soft deletes. Worked on refactoring Room API for model, service, controller, and test.

Lucas Knoll: Refactored PatientActivity API, PatientEvent and HoursWorked for the soft deletes.

Timothy Ngo: Refactored database for soft deletes, Adjusted backend API to handle soft deletes for User, Location, TherapistEvent, Therapy, and TherapyMain, added and refactored tests for soft deletes, added login.

Megan Bailey: Updated error states on change/update password

Change Your Password

Existing Password*

New Password*

Retype New Password*

All fields must be filled out

Create

Andrew Swenson: Worked on autofilling forms and getting the proper data and time into the field when certain squares are pressed on the schedule are pressed on the schedule view.

The screenshot shows a web browser window displaying a 'Therapist Schedule' for the week of 4/11/2021. The schedule is a grid with therapists as columns and time slots as rows. A modal window is open for adding an appointment, with fields for therapist, patient, room, therapy type, ADL, start/end time, and date. The modal also includes a 'Notes' field and 'Save + Copy' and 'Save' buttons.

Therapist Schedule	Philip Adamson	Margan Daugherty	Kateelin Lynn	Lyndon Macdonald	Lary Silva	Lola-Rose Lopez	Alexandria Simal
5 AM							
6 AM							
7 AM							
8 AM							
9 AM							
10 AM							
11 AM							
12 PM							
1 PM							
2 PM							
3 PM							
4 PM							
5 PM							
6 PM							
7 PM							

Veronica Torres: View pages connected to backend for patient, location, admin, therapist, and nurse.

Pending Issues

Backend—Pending new updates from the client on soft deletes of important data, more refactoring on the backend data based on the clients request. User authentication and security.

Frontend—

Individual Contributions

Names	Individual Contribution	Hours in 2 weeks	Hours Cumulative
Alexis Cordts	Room Refactor, AppointmentAPI	11	66
Lucas Knoll	PatientActivity, PatientEvent, and HoursWorked Refactor	12	69
Timothy Ngo	Refactoring	13	93
Megan Bailey	Updating Password	10	71
Andrew Swenson	Autofilling	12	64
Veronica Torres	Integration	14	68

Plans for upcoming weeks

Complete API—*Alexis, Tim, Lucas*

Alexis: Appointment API and refactoring

Lucas: refactoring

Tim: Integration and refactoring

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*

Permissions

Delete confirmation

Soft delete—Patient Database refactor

Auditing for HIPPA

Advisor Meetings

3/30—Standup with team and Mat

4/2—Client meeting with UnityPoint

4/6—Standup with team and Mat

4/9—Client meeting with UnityPoint