Sprint Report #5

March 14, 2017

Team Overview

Project

DoorPanes

Members

- Andrew Fagrey
- Jayson Kjenstad
- Samantha Kranstz

Sponsor

- Dr. Jeff McGough
- Dr. Christer Karlsson
- Brian Butterfield

Client Meeting Time

Thursday at 10:00 a.m.

Sprint Overview

In this sprint, we wanted to focus on testing and getting calendar events to move back and forth between the database in the cloud and the tablet app. We were able to get a large portion of the testing done, and we were also able to achieve getting calendar events to move between the database and the tablet app. Event creation and deletion from the web app is working as well. Looking forward to the next sprint, we will try and get the authentication portion of this project completed. We would also like to be able to switch between different calendar views in the future as well.

Setbacks

Tablet Application Development Change

Here's a list of a few things that we struggled with this sprint:

- Testing JSON responses on the tablet app
- By range endpoint was delayed

Deliverables

- Calendar event creation
- Calendar event synchronization

Activities

Team

- Worked to understand concepts.
- Research on how parts of our project work.
- Flushed out database schematics

Andrew Fagrey

- Web App unit testing
- Wrote back-end JavaScript for calendar framework
- Wrote code for adding and deleting calendar events
- Wrote code for saving events in the database

Jayson Kjenstad

- JSON synchronization
- GUI testing
- Unit tests for login screen
- GUI modifications
- Calendar description window

Samantha Kranstz

- Lots of unit testing
- Model changes
- Fixed various endpoints

Work that is carried over into Sprint 6 is as follows:

- Get by range endpoint
- Security
- Authorization and login information

Backlog

Azure

- Set up Azure
- Create Azure database
- User Authentication
- App Communication

Web Application

- Design Wireframes
- Code the user interface according to wireframes
- Create project and test project
- Create website login screen
- Communicate with Azure
- Create schedule templates
- Create send and receive message system
- Open calendar framework JSON events
- Connect calendar event creation to database
- Load events from database when navigating to dashboard controller
- Remove authorization code

Web API

- Create Professor Model
- Create Office Personnel Model
- Create Calendar Event Model
- Create Student Model
- Model Location
- Create GetCalendarEvent endpoint
- Create GetCalendarEvents endpoint
- Create GetCalendarEventByOwner endpoint
- Create GetCalendarEventsByDate
- Create SaveCalendarEvents endpoint
- Repository Layer
- Serialize data
- Migration on database
- Create project and test project

Tablet Application

- Design Wireframes
- Code the user interface according to wireframes
- Create room login screen
- Design and create splash screen
- Enable tablet to connect to Azure
- Create communication class
- Display a message on tablet screen
- Display schedule on tablet
- Put tablet in kiosk mode
- Move tablet code

Miscellaneous

- Logo
- Learn Azure
- Learn Xamarin
- Connect Visual Studio to Azure
- Look into networking for tablets
- Look into a pre-built calendar framework for displaying calendar events