

Sprint Report #6

April 6, 2017

Team Overview

Project

DoorPanels

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 finishing the getby endpoints so the tablet could view the calendar events based on a given calendar. We got endpoints created to get all the calendar events in the database filtered by a range and a room or range and a faculty member. The tablet is able to log in using token based authentication, choose a calendar to view, and view all the events based on what was chosen. On the Web App part of the project, we wanted to register and distinguish between certain roles. We are now able to know whether a faculty member or a student logs in. A lot of work was done updating the database models. The models needed to be broken up into separate tables. References needed to be created between tables in the database.

Setbacks

Tablet Application Development Change

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

- Hardware issues
- JavaScript learning curve

Deliverables

- Web App
 - Database table integration
 - Database table referencing
 - Person detection based on Role
 - Registration Process
 - Different login views based on users
 - Repetition calendar event auto generate
- Tablet App
 - Added a view to select calendar based on faculty or room
 - Token authentication
 - GUI modifications
- Web API
 - Room table
 - Get sorted lists of Rooms and Faculty members
 - Endpoint GetCalendarEventsByRange and Owner
 - Endpoint GetCalendarEventsByRange and Room
 - Fixed GetByFaculty and GetByRoom
 - Updated models
 - login and register enabled

Activities

Team

- Endpoints working correctly
- All components interconnect correctly

Andrew Fagrey

- Database table integration
- Database table referencing
- Person detection based on Role
- Registration Process
- Added view for distinguished users
- Wrote endpoint to return a list of rooms or faculty members

Jayson Kjenstad

- Token based authentication
- Added view to select calendar filter
- GUI modifications

Samantha Kranztz

- Wrote GetbyRange endpoints
- Sorted return lists of faculty and room
- Model changes
- Room seeding
- Fixed various endpoints
- Wrote update calendar event
- Wrote endpoint for auto generating calendar events

Work remaining before Senior Design Fair is as follows:

- Design poster board
- Documentation
- Testing
- JavaScript repetition
- JavaScript permissions
- JavaScript cancel update
- Aesthetics

Prototype

This sprint, we came very close to finishing the MVP. Both of our clients said that we were making good progress, and we expect to be finished with the final prototype within a few weeks.

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