



College of Engineering

# CS CAPSTONE REQUIREMENTS DOCUMENT

APRIL 28, 2020

## MYEVENTBOARD

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#### Abstract

MyEventBoard is a project about developing a web tool as the single solution for scheduling at Oregon State University (OSU), that incorporates the best aspects of Doodle, an existing scheduling web tool, authentication through the OSU Network ID system, and more. Planned features include the ability to create events and reserve time slots for events, a dashboard that enables users to view events and reservations, and the ability to work with calendar applications. The solution to the problem of MyEventBoard is the web tool itself, which involves creating a website, setting up a web application framework and setting up a database. Completion is not expected but the objective is to be as close to it as possible.

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## 1 INTRODUCTION

### 1.1 Purpose

The purpose of this document is to define and elaborate on the requirements for the web-based scheduling application that we will be developing for the project MyEventBoard.

This document provides a description of the application as a whole, including background information regarding the application, an overview of its functionality and features, user classes, constraints and more. Details on the functionality and features of the application, the interfaces it requires, and other requirements are also provided in this document.

### 1.2 Intended Audience

The document is intended for students, staff, and faculty of Oregon State University (OSU), that will be managing, reviewing, or developing the product. It is expected that they are familiar with building web applications. The intended audience also includes the project client as well as any future development teams assigned to this project or the same type of project.

### 1.3 Product Scope

The scope of MyEventBoard will be limited to the scheduling application and its components. That includes the website that people will be using as the user interface, the application itself, and a database that stores all data for the application.

The people at OSU currently use a variety of different scheduling applications that do not fully satisfy their needs as students, staff or faculty. The objective of MyEventBoard is to create a single solution for scheduling that includes the best aspects of existing scheduling applications, tailored for use by OSU faculty, staff and students.

## 2 OVERALL DESCRIPTION

### 2.1 Product Perspective

Our scheduling application is intended to replace the many third party applications that are currently used by the OSU community. The people of OSU have relied on third party solutions for scheduling, given the lack of a first party product. Due to the variety of applications that are used, it has led to unnecessary confusion, complications, and hassles. The purpose of our product is to address those issues. The objective is to improve the process and management for scheduling events for OSU students, staff and faculty. Another objective we have for the product is usability for different sorts of purposes. For example, computer science professors may wish to schedule time slots for program demonstrations, while students may wish to identify the best time for studying together.

The application should be mostly self-contained, except for authentication. It is planned to utilize the Central Authentication Service (CAS) and OSU Network ID (ONID) system for authentication. To access the product, an individual would only need an ONID account.

## 2.2 Product Functions

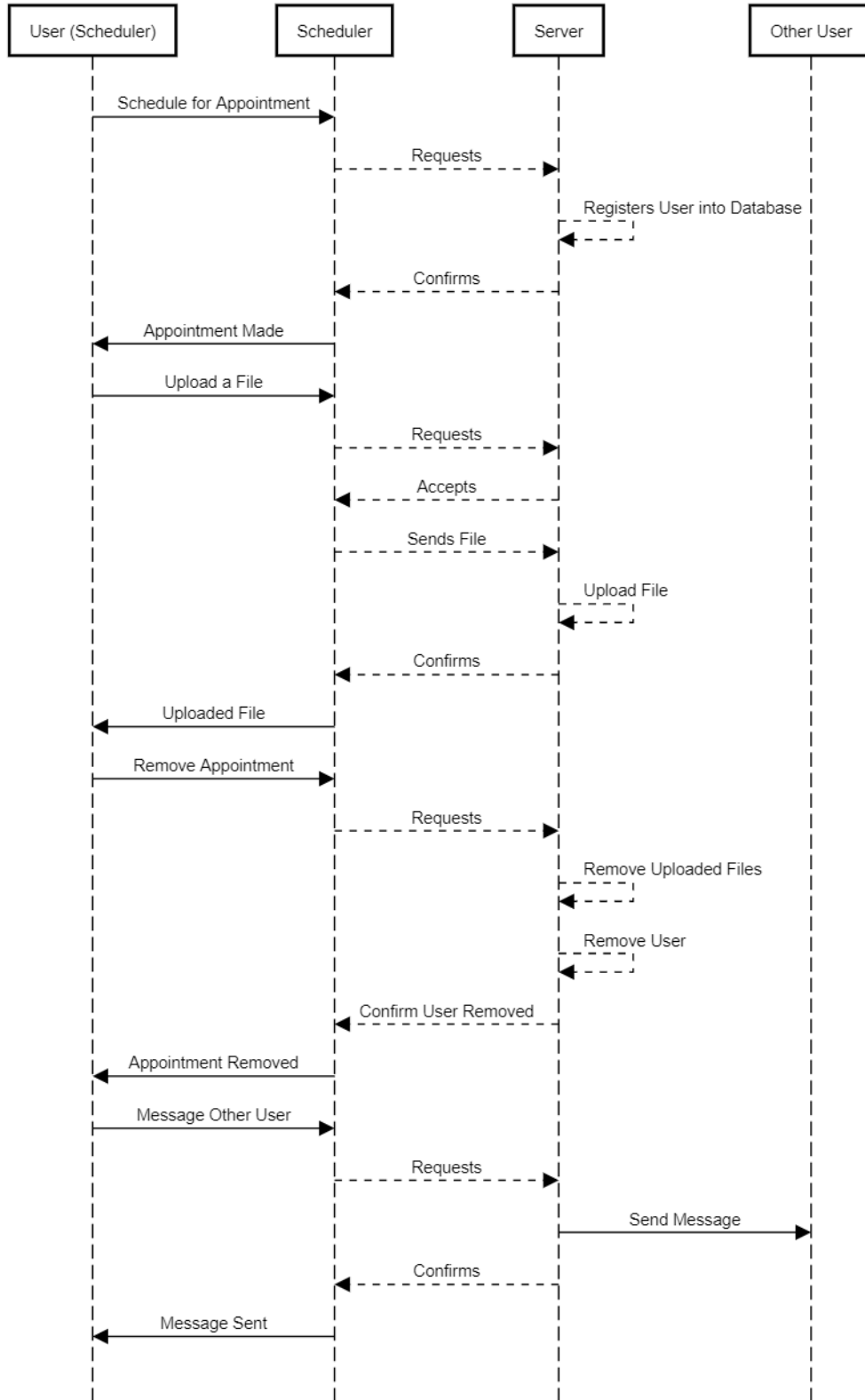


Fig. 1: Scheduling User Basic Functions and Features

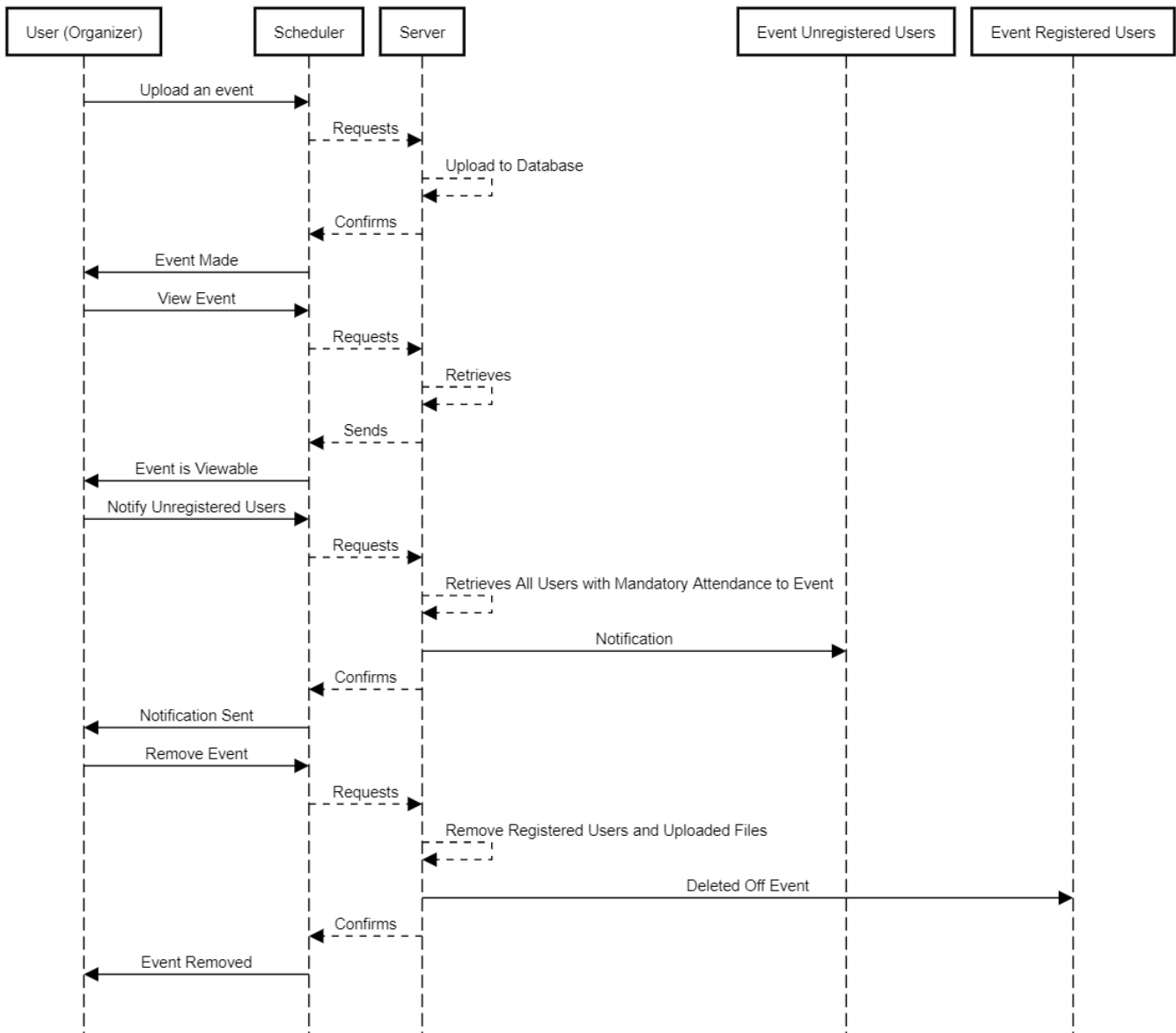


Fig. 2: Event Organizer Basic Functions and Features

**Scheduling users**, such as students, will be using this application mainly to register for events. They will expect the application to have functions that enable them to do various tasks related to registering for events. That includes reserving time slots for events, viewing what time slots they have reserved, removing a reservation, and uploading a file for an event, associated with their reservation. When viewing a time slot for an event with anonymous registration off, viewing a list of people who have reserved that time slot will be possible. For the convenience of users, the application will also support viewing upcoming events for the week.

**Event organizers**, such as professors and student advisors, will primarily be using this application to create and manage events. These users will expect that the application supports creating events, viewing what events they have created, removing events they have created, modifying information about their events, and changing what time slots are available. Additional actions useful to event organizers will be supported as well. That includes viewing who has

registered for their events, copying links to their events via a single button click for easy sharing. Changing various settings for events will be possible for event organizers. Altering time slot capacity and duration, setting registration to be anonymous or not, and setting file upload to be enabled or disabled will all be supported.

### 2.3 Operating Environment

The application should be usable on Google Chrome, Microsoft Edge, Mozilla Firefox and Safari. All features should be available and usable in all those browsers.

The application is designed to be usable on desktop computers and mobile devices. We expect that the majority of its users will be on mobile devices. Therefore, it is important that the finished product will be compatible on mobile.

### 2.4 Design and Implementation Constraints

There are some constraints for MyEventBoard. We do not expect to have direct access to data in the ONID system, for security reasons. We also do not expect to have access to internal OSU systems for development purposes. The design and implementation of our application will instead rely on our own database for development, testing, and demonstration. Overall, our application shall be built essentially as a standalone product.

## 3 TENTATIVE TIMELINE

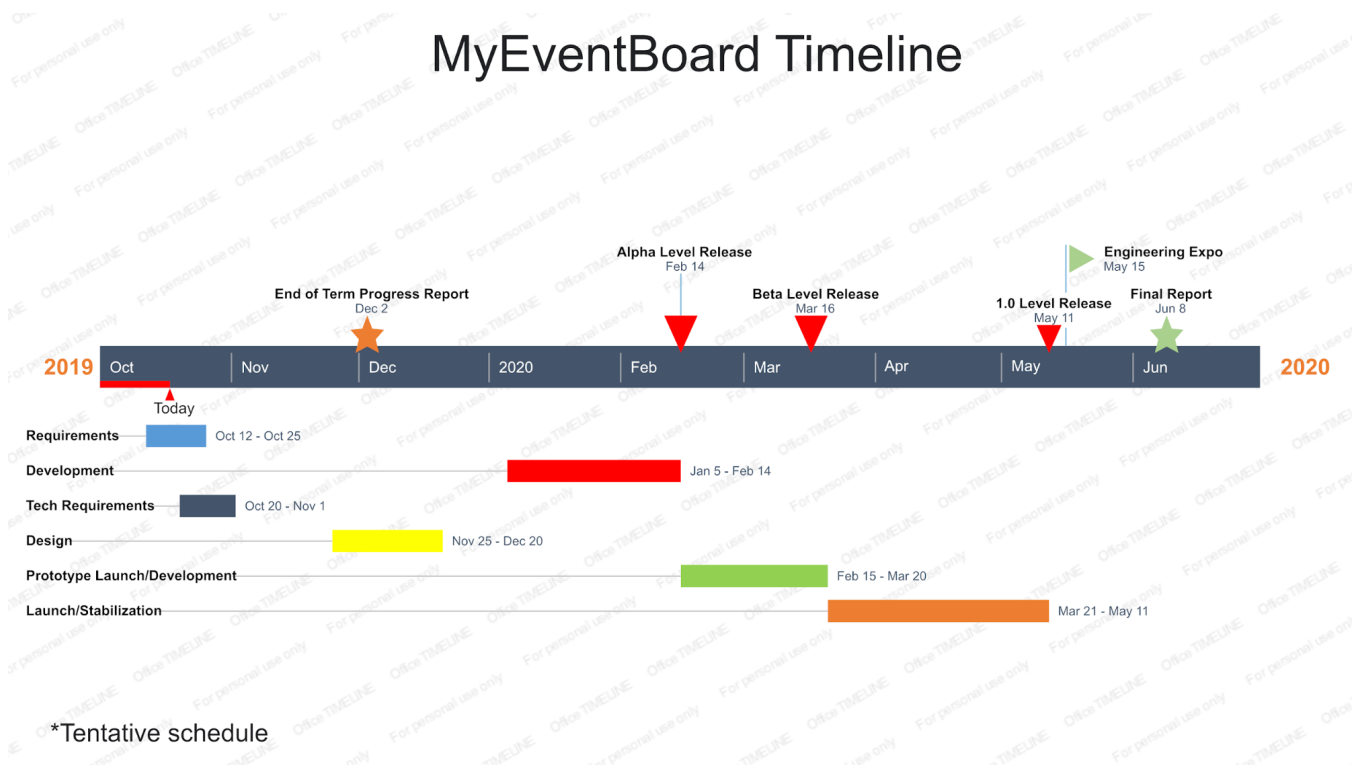


Fig. 3: Tentative Schedule for MyEventBoard