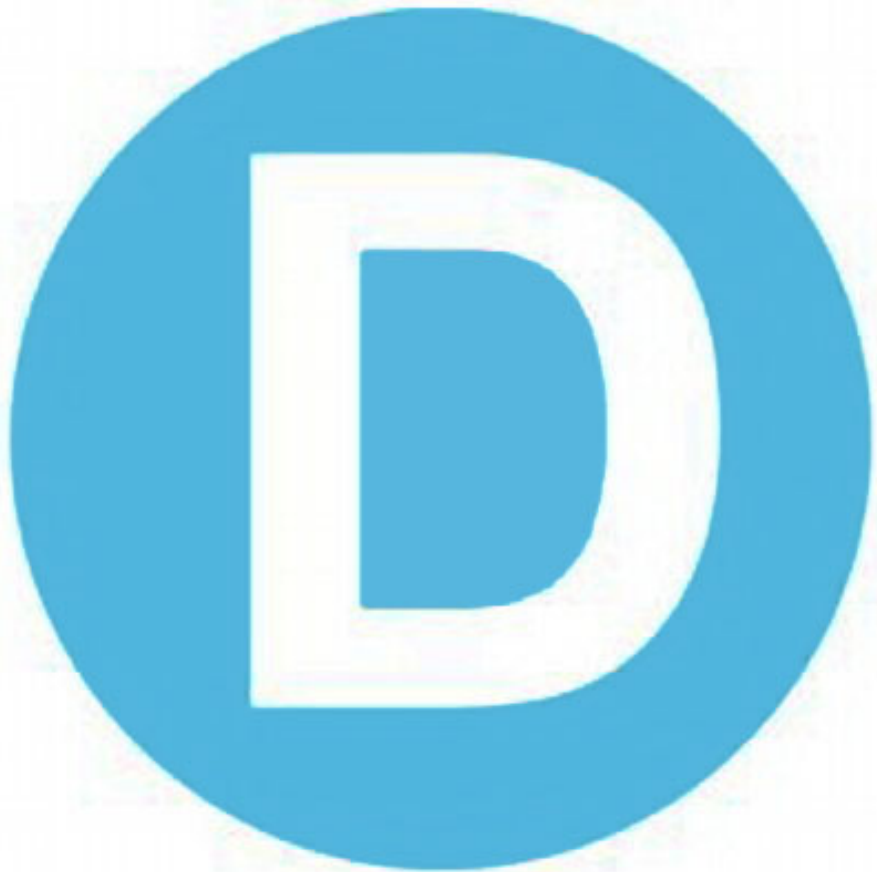


Dashboard

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Carnegie Mellon University

Summary

Dashboard is an event scheduler that parses college events in real time into one centralized, sharable calendar. It collects data from the university, each college department, dormitories, student class schedule, student exam and homework schedule, facebook, varsity and IM sports, The Bridge (student clubs), and fraternities and merges the data into one calendar in iCal format. It then allows students to show and hide calendars according to their personal interests, as well as add and share their own events.

Dashboard uses the facebook API to integrate a social aspect as well. If the user accepts our privacy policy, it will show all of the user's friends which classes he/she is taking. This social value aids students in two fronts:

1. discussing course difficulty and curriculum with friends beforehand
2. avoiding the loneliness of taking a class alone

Dashboard currently operates on a website platform and is written in HTML, CSS, Javascript, and JQuery. It also integrates Firebase for data storage and the Google Calendar API in for calendar event updates.

Our Team

Our team consists of three computer science undergraduate students: Stephen Wu, Adithya Venkatesan, and Kevin Yang, and one faculty advisor: Assistant Dean for Undergraduate Education, Computer Science, Dr. Tom Cortina.

Support

We are currently working with the Carnegie Mellon University's Computer Science Department, Registrar, Enrollment Services, and Student Information Online.

Current Progress

As of today, we have completed the following:

- create a themed website
- create a viewable calendar and chat box
- subscribe to live feeds of college calendars
- show and hide functionality of calendars
- integrated facebook API (login and likes)

We are currently working on the following:

- implementing the chat messaging system with students and academic advisors
- creating, editing, and sharing personal events on the calendar
- integrating facebook friends and sharing of calendars

Future Plans (Why Shibboleth)

The next step for Dashboard is to integrate CMU login to parse the students' semester class schedule from SIO. From their class schedule, we will be able to:

- create a seamless environment for users to get set up
- integrate the user's class schedule into the dashboard calendar
- begin integrating the social component of our scheduler - for the user to share and see their friends' class schedules

That is why we need to integrate Shibboleth – so users can log into their student accounts and seamlessly parse their SIO class schedule.