

Semester.ly Final Presentation

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High Level Project Goal

Vision

- Current advisor-advisee relationship
 - Pain points:
 - No history of interactions
 - Information is not centralized. On Excel sheets, on SIS, on Email, etc.
 - Have to release hold through SIS
 - Comments are on emails or just oral
 - No way to share schedules through SIS
- How to improve
 - Share schedules through Semester.ly
 - Save comments on schedules
 - Can look back at comments and schedules on Semester.ly
 - Can release holds on Semester.ly



Our Project

What we've done

- Planning
 - Created an initial outline for what functionalities we wanted
 - Meeting with Noah and Yair on how to proceed
 - Redesigned our initial outline and created a project proposal
- SIS button
 - Got endpoint from Ali
 - POST add to cart endpoint with timetable data
 - Made it unique to Hopkins only
 - Error checking for empty timetables and other bugs



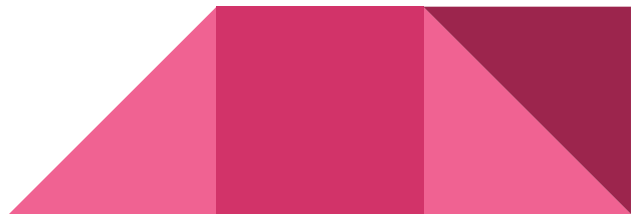
What we've done

- Adding an advisor
 - Can add another user as an advisor to current timetable
 - Can see what advisors you have added to a timetable
 - Advisor can view the timetables that have been shared with them
 - Can't make changes
 - Advisors can delete timetables that have been shared with them
- Commenting
 - Users can add comment to their timetables
 - Advisors to timetables can comment on them
 - Viewable and saved (persist with the timetable as it changes)



Barriers

- Setting up our local dev environments
- Learning the codebase
 - Worked on small bugs and other features like the SIS add to cart button
- Open Source Software vs. Service
 - Learned about what it means to be open source and talked with core members about how our team can fit in with the existing service



Barriers

- Setting up our development and production servers
 - Help from Ali
- Working around a Timetable centered backend rather than User
 - Timetable has-a Student has-a User, not User has-a Timetable
- Structuring Comments
 - Connect to multiple timetables
 - Conditional UI
- Testing
 - Need to run a beta version with multiple users





Design & Concrete Goals

Minimum Viable Product (V1)

Advisors can view timetables of student advisees

- Sharing Timetables
- Removing Timetables
- Advisor's Access to Timetables



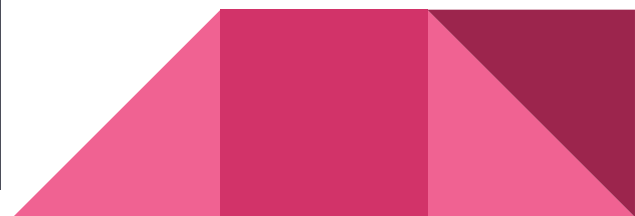
Technical Design (Backend)

- Models
 - PersonalTimetable
 - add `advisors`, a list of Student objects who have permission to view the timetable
- Endpoints
 - POST `/advisor/addAdvisor`
 - Add an advisor to the current user's timetable by specifying other user's email
 - GET `/advisor/getAdvisingTimetables`
 - Get a list of all timetables that the current user can view (i.e. the Timetable objects whose User's parent-Student object exists in the `advisors` field)
 - DELETE `/advisor/deleteAdvisor`
 - Delete an advisor from the current user's timetable

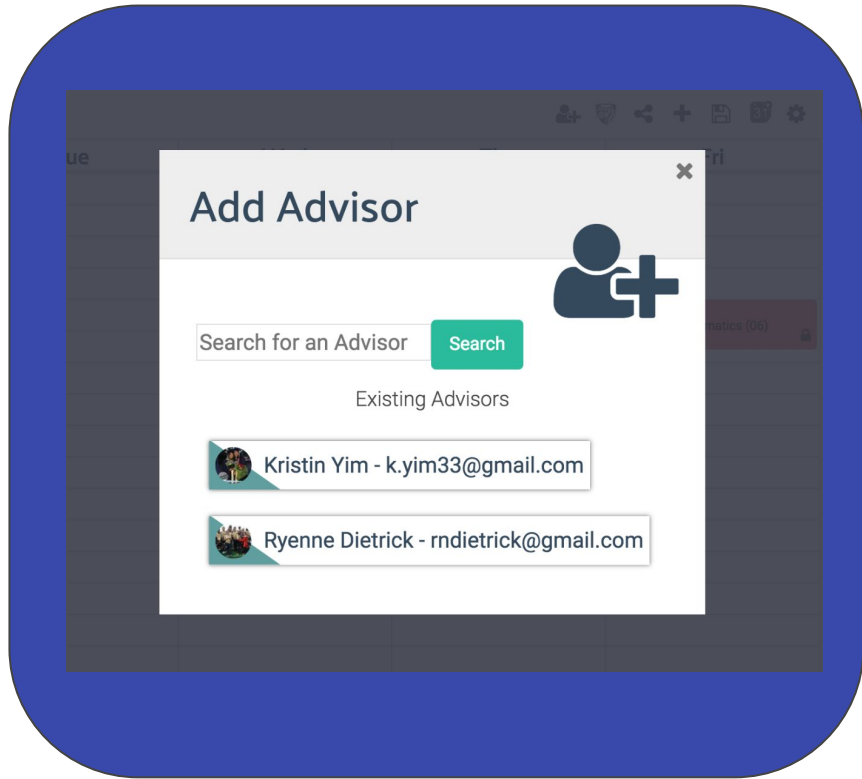
UI Design: Sharing a Timetable Modal

The screenshot displays the Semester.ly web application. At the top, it shows the logo, navigation tabs for 'Spring 2018' and 'Searching Spring 2018', and an 'Advanced Search' button. The main area is a timetable grid with columns for days of the week (Mon-Fri) and rows for time slots (8:00-9:00, 9:00-10:00, 10:00-11:00, 11:00-12:00, 12:00-1:00, 1:00-2:00, 2:00-3:00, 3:00-4:00, 4:00-5:00, 5:00-6:00, 6:00-7:00, 7:00-8:00). A modal window titled 'Add Advisor' is overlaid on the timetable. The modal has a search input field with the placeholder text 'Search for an Advisor', a green 'Search' button, and a section labeled 'Existing Advisors' with a plus icon and a person icon. To the right of the timetable, there is a sidebar with a 'Worst Case' section showing '20.00 credits' and 'Average Course Rating' (5 stars). Below this is a 'Current Courses' section with a 'Find new friends' button. The bottom of the page contains footer information: 'Data last updated: 2018-01-29 20:41 UTC', 'Terms', 'Privacy', 'Contact us', 'Feedback', 'Facebook', 'Follow', and 'Like Us'.

Share Timetable with
an Advisor



UI Design

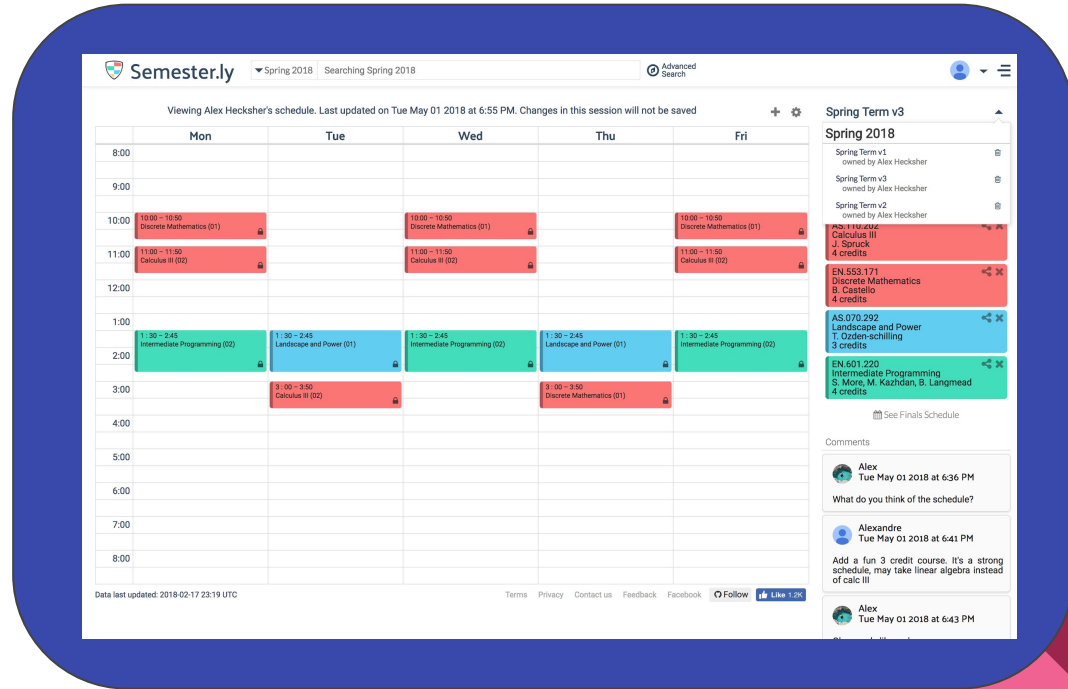
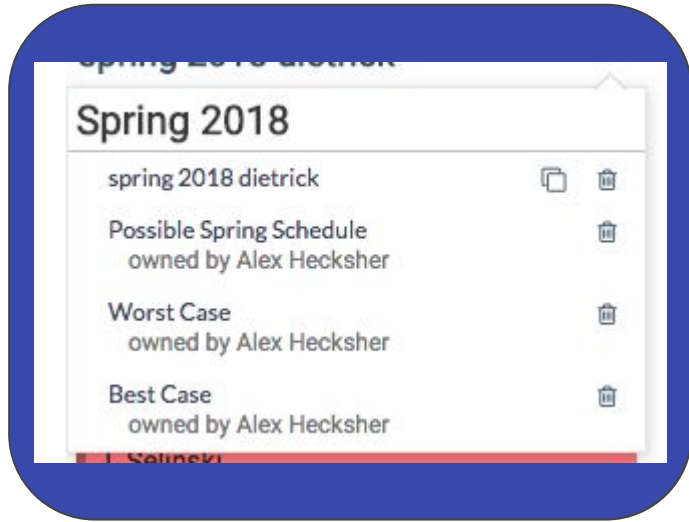


Timetable owners will see who who can view your timetable



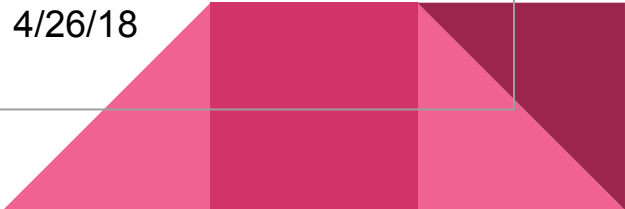
UI Design: Shared Timetable Advisor View

What the Advisor sees when they get a shared timetable with them



Schedule

Feature	Duration	Completion Date
User can share timetable	1 week	✓ 3/5/18
Advisor can view timetable with recent changes but can't edit	2 weeks	✓ 4/5/18
User can view who they've shared their timetable with	1 week	✓ 4/12/18
Advisor can view which timetables they have access to	1 week	✓ 4/19/18
Advisors can remove timetables they have access to	1 week	✓ 4/26/18



Schedule

Feature	Duration	Completion Date
Adding Comments to a timetable	1 week	✓ 5/4/18
Advisor commenting on a shared timetable	1 week	✓ 5/4/18





Added Feature: Commenting

Technical (Backend)

- Models
 - PersonalTimetable
 - add `comments`, a list of Comment objects that belong to or refer to the timetable
 - Comment
 - Contains comment string, writers name, last updated date, image url of the writer.
- Endpoints
 - POST `/comments/addComment`
 - Add a comment to the timetable
 - GET `/comments/getComments/<timetable_id>/`
 - Get a list of all the comments that belong to a timetable



UI Design: Commenting on a timetable

What the commenting on a time table feature will look like

The screenshot displays the Semester.ly web application interface. At the top, the logo 'Semester.ly' is visible, along with a dropdown menu for 'Spring 2018' and a search bar containing 'Searching Spring 2018'. An 'Advanced Search' button is also present. The main content is a weekly timetable grid with columns for Monday through Friday and rows for time slots from 8:00 to 8:00. The timetable is populated with course blocks, each with a title, instructor, and credit value. For example, 'Discrete Mathematics (01)' is scheduled for 10:00-10:50 on Monday, Wednesday, and Friday. 'Calculus III (02)' is scheduled for 11:00-11:50 on Monday, Wednesday, and Friday. 'Intermediate Programming (02)' is scheduled for 1:30-2:45 on Monday, Wednesday, and Friday. 'Landscape and Power (01)' is scheduled for 1:30-2:45 on Tuesday and Thursday. 'Intermediate Programming (02)' is also scheduled for 1:30-2:45 on Friday. 'Calculus III (02)' is scheduled for 3:00-3:50 on Tuesday and Thursday. Each block has a lock icon in the bottom right corner. To the right of the timetable, there is a sidebar with a 'Pro Tip' and a list of course cards. Each card shows the course ID, title, instructor, and credits. Below the course cards is a 'See Finals Schedule' link. At the bottom of the sidebar is a 'Comments' section with three user comments and an 'Add Comment' button. The comments are from Alex (Tue May 01 2018 at 6:36 PM), Alexandre (Tue May 01 2018 at 6:41 PM), and Alex (Tue May 01 2018 at 6:43 PM). The bottom of the page shows 'Data last updated: 2018-02-17 23:19 UTC' and a footer with links for Terms, Privacy, Contact us, Feedback, Facebook, Follow, and Like 1.2K.

	Mon	Tue	Wed	Thu	Fri
8:00					
9:00					
10:00	10:00 - 10:50 Discrete Mathematics (01)		10:00 - 10:50 Discrete Mathematics (01)		10:00 - 10:50 Discrete Mathematics (01)
11:00	11:00 - 11:50 Calculus III (02)		11:00 - 11:50 Calculus III (02)		11:00 - 11:50 Calculus III (02)
12:00					
1:00					
1:30 - 2:45	1:30 - 2:45 Intermediate Programming (02)	1:30 - 2:45 Landscape and Power (01)	1:30 - 2:45 Intermediate Programming (02)	1:30 - 2:45 Landscape and Power (01)	1:30 - 2:45 Intermediate Programming (02)
2:00					
3:00		3:00 - 3:50 Calculus III (02)		3:00 - 3:50 Discrete Mathematics (01)	
4:00					
5:00					
6:00					
7:00					
8:00					

AS.110.202
Calculus III
J. Spruck
4 credits

EN.553.171
Discrete Mathematics
B. Castello
4 credits

AS.070.292
Landscape and Power
T. Özden-schilling
3 credits

EN.601.220
Intermediate Programming
S. More, M. Kazhdan, B. Langmead
4 credits

See Finals Schedule

Comments

Alex
Tue May 01 2018 at 6:36 PM
What do you think of the schedule?

Alexandre
Tue May 01 2018 at 6:41 PM
Add a fun 3 credit course. It's a strong schedule, may take linear algebra instead of calc III

Alex
Tue May 01 2018 at 6:43 PM
Ok, sounds like a plan

Add Comment

Data last updated: 2018-02-17 23:19 UTC

Terms Privacy Contact us Feedback Facebook Follow Like 1.2K

Future Features

- **Commenting**
 - Editing comments
 - Deleting comments
- **Advisor releasing student registration holds**
- **Notifications**
 - You've been added as an advisor to a timetable (email)
 - Your advisor has viewed/commented on your timetable



Known Future Issues

- Coloring of courses
 - Pre-existing bug
- Duplicating calendars
 - Amy found but another pre-existing bug
- Facebook
 - Privacy settings making it difficult to access FB signed in user info
- Getting our feature on the live site



Demo