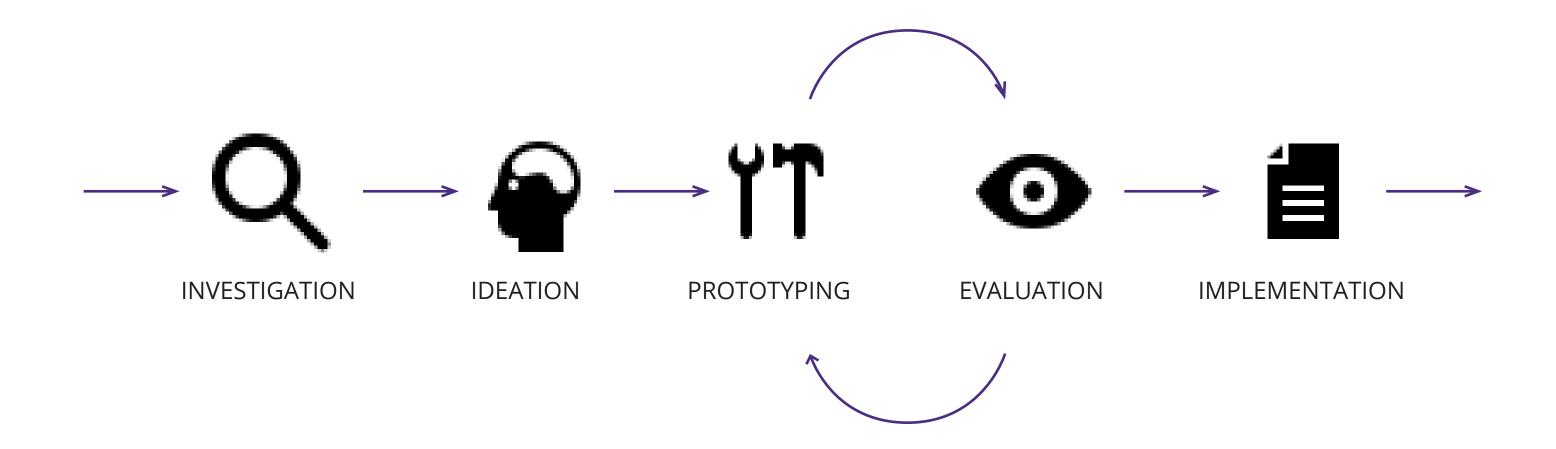


Canvas Redesign / Process Book

Table of Contents

EXPLORATION & INVESTIGATION		PROTOTYPING	
Process Overview Problem Statement	1 2	Paper Sketches Wireframes	26 27
LMS Survey Data Analysis Expert Interview	3 5		
Outline Research Methods	6	EVALUATION	
User Research Findings Competitive Analysis User Task Matrix Current Pain Points	7 8 9 10	User Testings User Testings Results	31 35
Style Matrix	11	IMPLEMENTATION	
IDEATION		Summary of Visual Design Hi-fi Visual Components	37 38
Outline Ideation Methods	12	Moving Forward	42
Journey Map	13		
Thumbnails	14		
Heuristic Analysis	15		
User Flow	25		

Process Overview



Problem Statement

Problem Statement

How can we create an overarching and integrating team working experience for the group projects assigned on canvas to help team members collaborate, manage project progress and submit deliverables conveniently.

Constraints

- This is a design that involves the interaction between multiple users at a time
- Need to explore the team assginment settings from an instructor perspective

System Needs

Users

- Communication & Interaction
- Accountability
- Software integration

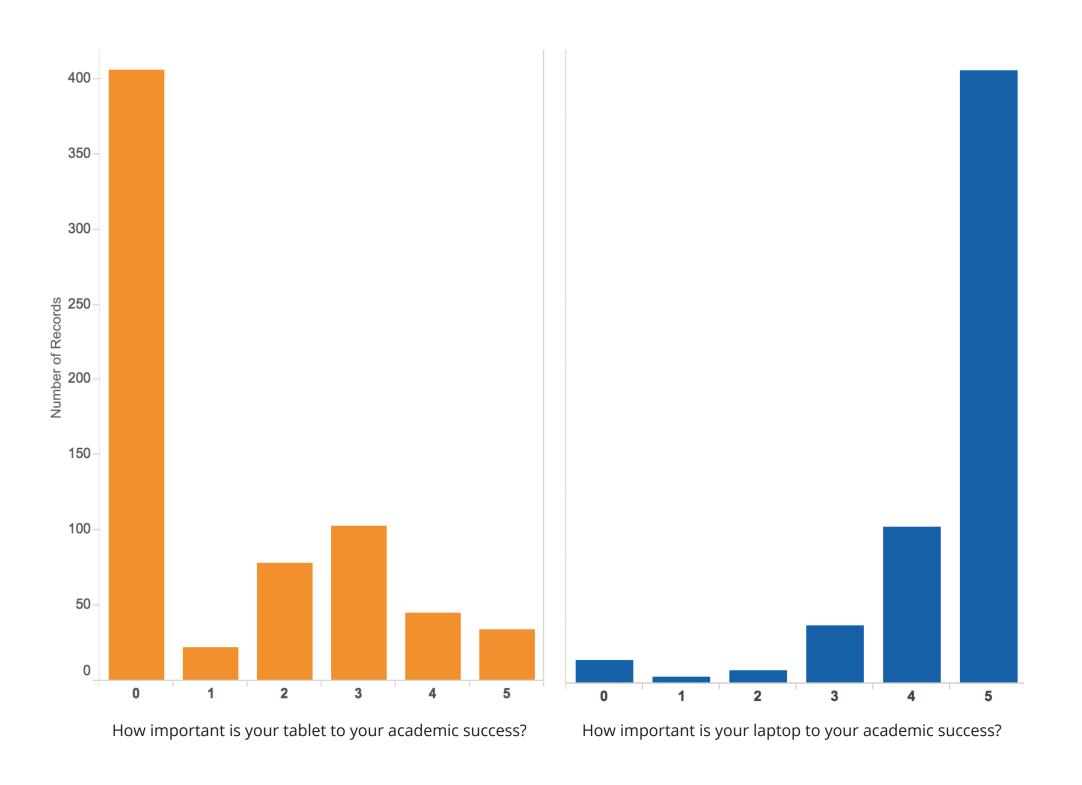
Designers

- Time constraints
- Budget constraints

Stakeholders

- Users amount
- Users' satisfication

LMS Survey Data Analysis



Findings

This diagram clearly shows that when regarding how much value different devices bring to academic success, students value laptop much more than tablet. It gives us an insight that when building academic relevant system, laptop may outperform tablet.

0 = Haven't use recently

1 = Not important at all

2 = Not very important

3 = Moderately important

4 = Very important

5 = Extremely important

LMS Survey Data Analysis

Open question concerning group projects

"A system similar to google docs to make group projects easier."

"Better support for group collaboration and a clearer interface overall (rather than canvas)."

"I would also give the option to remove oneself from 'Groups'."

"Group submission options, a bit of a clearer user interface, and better mobile support."

"Live group chat rooms."

"Online collaborative calendar for classes, homework, group projects, etc."

Findings

- 1. It can be seen from these input that students are confused by the group projects interfaces and submission options.
- 2. Integrations including google docs, mobile usage, live chat rooms and collaborative calendar could be considered.
- 3. Opt-out option of a group should be provided as well.

Expert Interview

Tyler Fox

Tyler is a subject matter expert (SME) with a wealth of data related to university member's needs and behaviors while using the UW LMS.

Key Takeaways

- 1. Canvas is a open-sourced platform that can be easily integrated with plug-ins like dropbox, google docs, chat rooms...
- 2. Canvas has a steep learning curve that requires a lot of efforts into users training.
- 3. Instructors don't like synchronized platform on canvas and different faculty prefer different communication tools, which include canvas inbox, discussion, pages...

Outline Research Methods

Method Name	Type of Research	Strengths	Weaknesses	Notes
Interview	Primary/ Qualitative	Can dig into WHY questions. Build in-depth understanding. Can ask follow-up questions. Can integrate with activities.	One-on-on is time consuming. Self-report issue. Not statistically significant.	Previous experience tells me interview is a very important method. I'd like to conduct one this time.
Survey	Primary/ Quantitative	Statistically convincing. Easier to generalize. Quickly reach out to a large mount of participants. Less observe effects.	Only focus on WHAT not WHY. No follow-up questions. Self-report issue. Lots of pre-work.	Setting up good questions is very important for later analysis.
Focus Group	Primary/ Qualitative	Efficient. See the dynamic conversation between each other. See the consensus for problem space.	Can't dig deeper on one person. Group thinking. Private issue. Require experienced moderator skill.	Focus group's opinion might be easily dominated by a few talkative people.

User Research Findings

Interview

I interviewed two participants that had experiences with group assignments in canvas before.

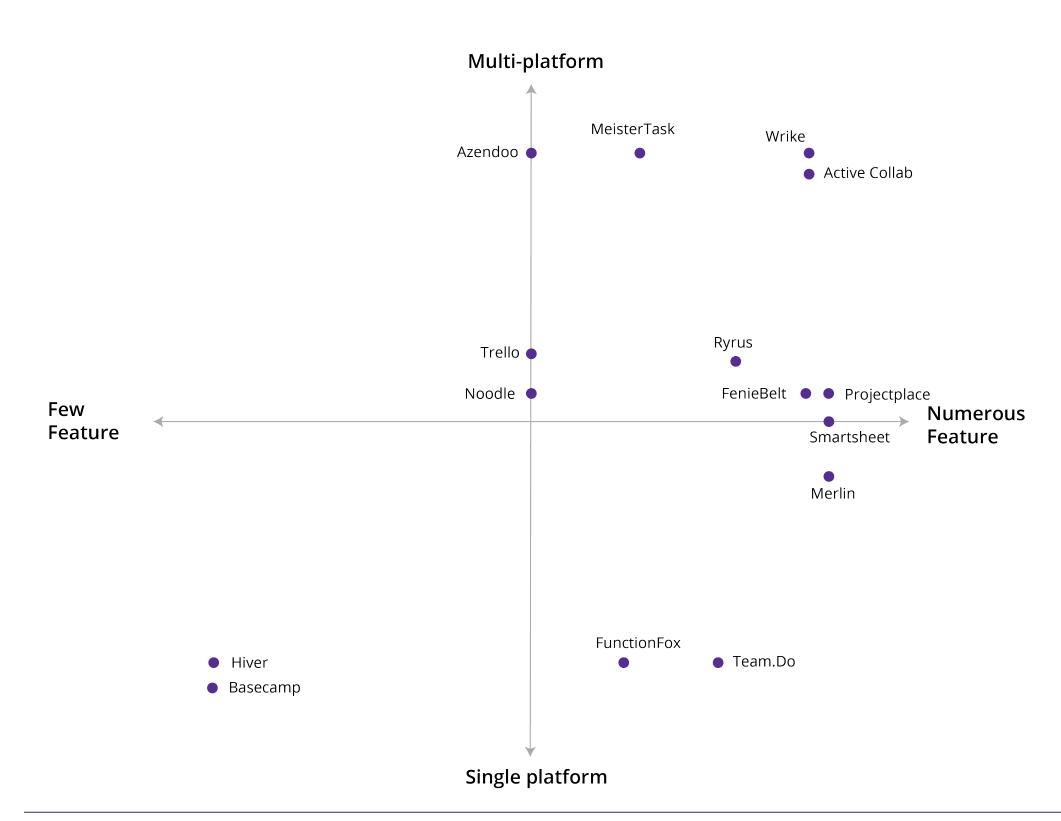
Research Questions

- Have you had group projects assigned on Canvas before?
- How long did those group projects last? How complicated were they?
- How did your team collaborate? Who took charge of what? What tools did you use?
- How's your experience with it?
- Did you run into any difficulties or confusions? How did you solve it?
- How much interactions between you and your teammates had on canvas. (Discussion, pages...)
- What improvement can you see for group projects.

Key Findings

- 1. Confused about if canvas really did send notification to my teammates or not.
- 2. Students have no access to the assignments team members submitted in the personal files folder on canvas.
- 3. It's good to be able to notify the team work distribution.
- 4. Should be able to opt-out some dated groups.
- 5. It'd be good to know if your teammate has submitted the assignment or not.

Competitive Analysis



Dimensions

FEW - NUMEROUS FEATURE X-axis measures how many features the service have.

MULTI - SINGLE PLATFORM Y-axis measures how many platforms the service supports. Multi-platform cover three major areas - installed, mobile and SaaS.

Findings

As is shown on the matrix, services support multiple platforms usually come with numerous features.

During my testing with these services, I found that most of the services are not free to use and they usually paid by the number of users.

User Task Matrix

Task	Light users	Medium users	Heavy users	Score
Submit Assignment	Н	Н	Н	9
Submit Notifications	Н	Н	Н	9
Assign task	Н	Н	Н	9
Opt-out group	Н	Н	Н	9
Calendar view	Н	Н	Н	9
Tool Integration (Google Drive)	Н	Н	Н	9
Set prime assignee	Н	Н	Н	9
Set due date for task	L	Н	Н	7
Set task	L	Н	Н	7
Assign subtask	L	M	Н	6
Sort task	L	M	Н	6
Set task priority	L	M	Н	6
Task progress bar view	L	M	Н	6
Holistic progress bar view	L	M	Н	6
Set subtask	L	M	M	5
Set due date for subtask	L	M	M	5

User Types

LIGHT USERS

Rarely have team projects. Usually these projects last for a day or two.

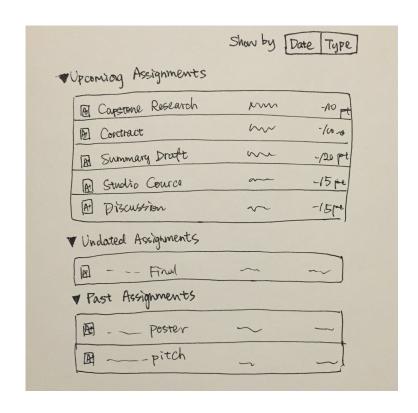
MEDIUM USERS

Sometimes have recurrent team projects that last a certain period but involve relatively simple work distribution.

HEAVY USERS

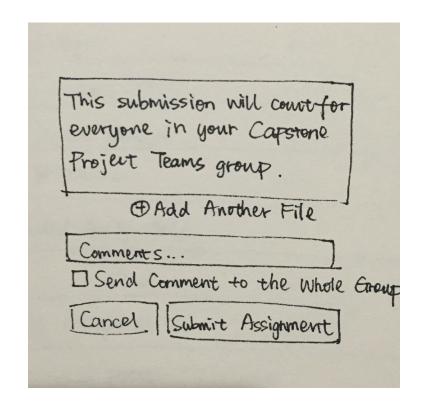
Always have complicated team projects like capstone assignment that lasts throughout a quarter, consists of multiple milestones and involves complex work distribution.

Current Pain Points



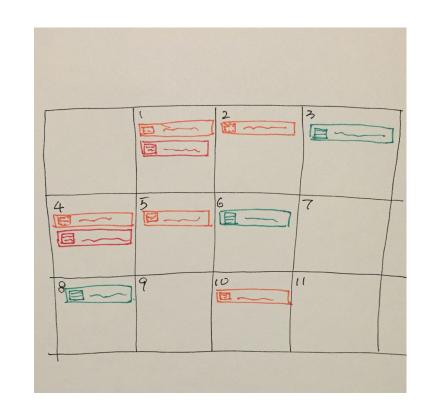
ASSIGNMENT VIEW

Canvas doesn't offer distinct view on the type of each assignment in terms of individual assignment and team assignment.



SUBMIT TEAM ASSIGNMENT

When submitting a team assignment, student often times get confused about if their teammate has already submitted the assignment.

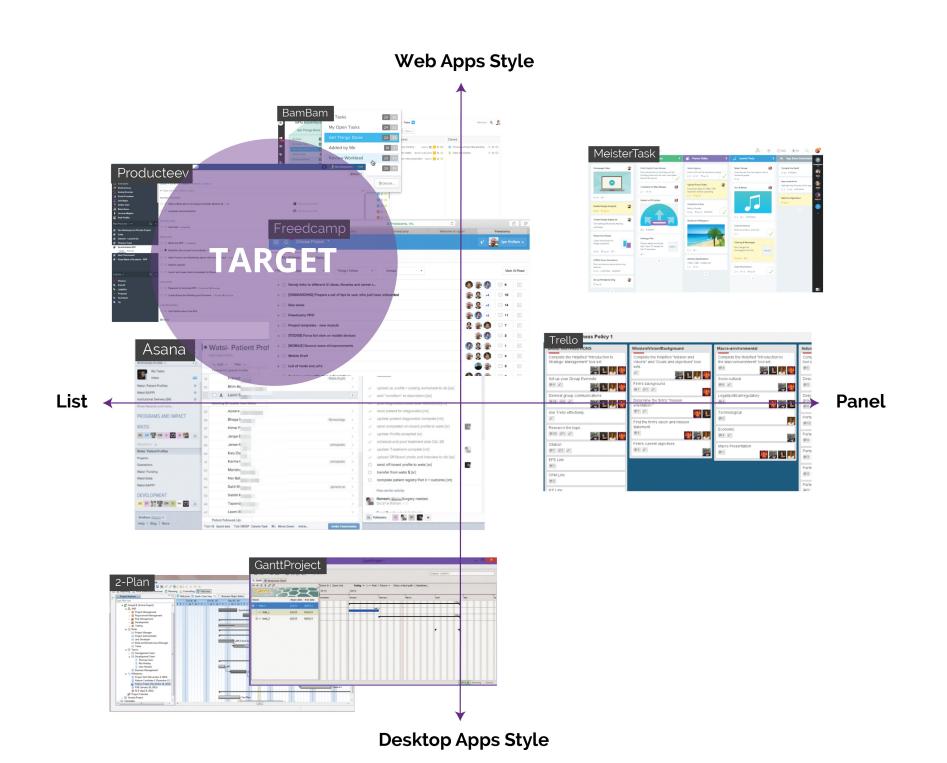


CALENDAR

Canvas calendar is usually crammed with different color coded assignments and all the assignments are segmented.

One potentail redesign direction is to create Gantt diagram indicating the teamwork progress.

Style Matrix



Dimensions

LIST - PANEL

Tasks layout basically can be divided into two categories - list and panels.

WEB - DESKTOP

Project management tools have web and desktop platform and their looks differ as well.

Findings

Generally, when the tasks can be sorted, list layout is more appropriate.

Panel layout is ideal when it comes with the feature to drag and drop tasks from one column to the other one.

Outline Ideation Methods

Method Name	Strengths	Weaknesses	Notes
Storyboards	Can outline the scenes of a story describing how all the parts of the concept system work together in actions	 It's based on a hypothetical journey The level of sketch fidelity might affect how audience grasp the design concept 	 From my experience, story-board is extremetly helpful when planning out the sequence of a short video Need more practice in sketching figures
Thumbnails	A way to quickly generate numerous ideas without concerning about the feasi- bility at this stage	 Some of the ideas might not be feasible enough Necessary explanation might be needed since thumbnails are often times rather low-fi- delity 	Give yourself some time constraint can make the thumbnails generated process more productive
Journey Map	Can break down users' jour- ney into component parts to gain insights into problems that may be present or op- portunities for innovations	Need to generate a list of all the activities involved in the process, which might be time-consuming	Can be very helpful to consider all the activities involved to find potential opportunities
Critical Path	 This method aims at letting designer consider the most positive and negative scenarios when using the product Help pinpoint the painpoints directly 	Might only account for the most extreme use case	Feel like it can be consid- ered as an extreme activi- ties journey map

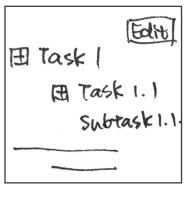
Journey Map

Stages	Assigned	Distribute work	Make progress	Submit assignment
Emotion	It seems:	Okay, that sounds good. What should I take?	Procrastinating	Yay! Submitted! Who's gonna consolidate and submit?
Needs	 Understand the assignment requirement Have an initial sense of the timeline and time constraint 	 Set tasks/ subtasks with due date Assign them to teammates Set schedule (meetings/ milestones) 	 Communicate/ comment Link task to documents Check task and notify members Keep things on track 	 Submit and notify members Move on to the next one
Thoughts & Feelings	 "What's this assignment about?" "How much time do I have?" "What are the other ongoing assignments?" 	 "How to split work?" "Who do what?" Make sure everyone knows the schedule "What's the tasks priority?" 	 "I want others to know I'm done and I want to know how others are doing." "What is the risk?" 	 "Has any one of my team members submitted the assignment?" "How do this assignment related to the else?"
Context	 The total work load How clear the requirement is 	 The complexity of the work Other ongoing work Teammates' strengths 	The time constraintThe progressThe quality of the work done	 Who submit the final version, me or my teammate? How does this assignment fit in the rest?
Insights	 Assignment could be automatically or de- signed to be tasks like (could come with sub- tasks as well) 	 Teammate work load infographic Flexible tasks/ subtasks setting with due date Assigned notification 	 Communication platform Checking notification Risk alerts Notifications settings 	

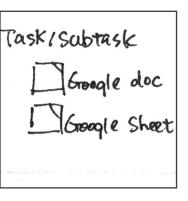
Thumbnails



Automatically split the assignment requirement into tasks and subtasks, or it is done by the instructor.



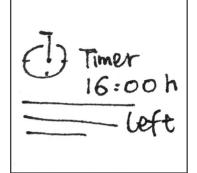
Flexible tasks and subtasks setting. Can be incorporated with the 1st thumbnail so it allows you to edit the default tasks come with the requirement.



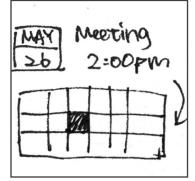
The tasks and subtasks can link to corresponding google drive documents so as to create a seamlessly work flow.



When teammate submit the assignment, a notification will be sent out to the chosen platform.



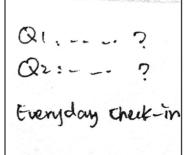
The assignment comes with a timer that counts how much left before due, or it is a timer that counts how much time you've spent on it.



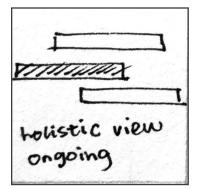
Calendar feature that allow team members to set meeting schedule or milestones into teammates' calendar with alerts.



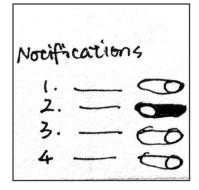
Multiple tasks/ subtasks status to track the work progress in real time. Status can be switched by teammates when proofreading for instance.



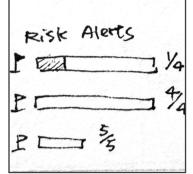
Some everyday check-ins questions to make sure your teammates are on track.



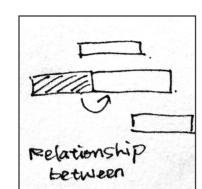
Offers a holistic view on all the ongoing work within one course or across multiple courses.



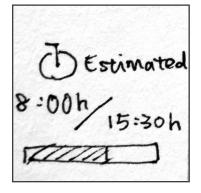
Customize your project notifications. Turn the unnecessary alert off.



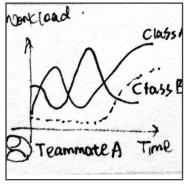
Intelligent
automatic risk
alearts based on
the completed
tasks and the
whole tasks
amount.



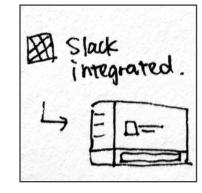
If the assignment is related to a future assignment, it will be shown as a predecessor other than a totally different assignment.



You or the instructor set the estimated time that should be spent on this assignment. Combined with the timer feature.



Visualize the workload your team members have across the timeline. Intelligently consider and suggest work assgined to them.



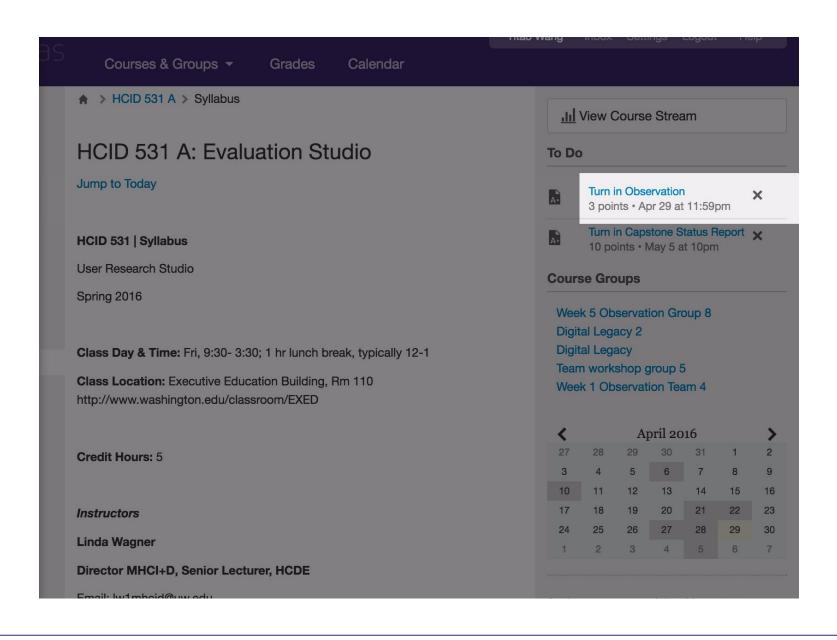
Integrate canvas with Slack so any notifications can be push on Slack as well.



Auto-evaluation feature that give convincing quantitative data. It can serve as a motivation to get things done as well.

1. Visibility of system status

The system should keep users informed through appropriate feedback within reasonable time.



Note

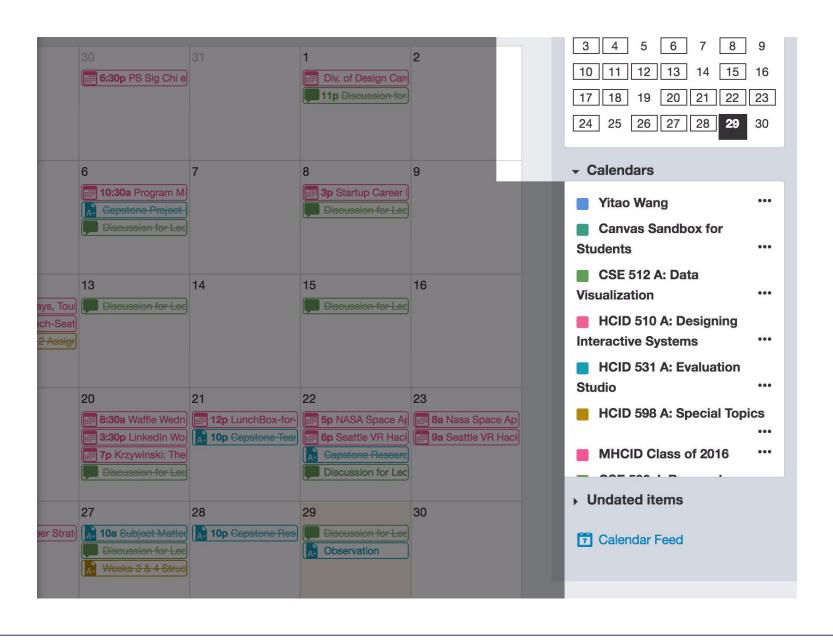
The system doesn't know that I have already turned in this assignment.

Recommendation

Should help me check this to-do task off automatically.

2. Match between system and the real world

The system should speak the users' language rather than systemoriented terms. Follow real-world conventions.



Note

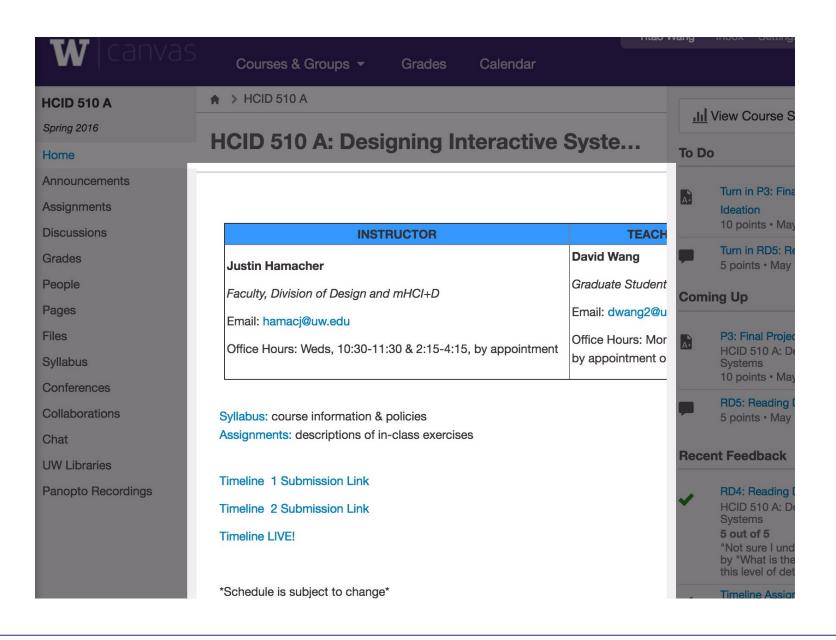
The calendars are actually checkbox that can be checked and unchecked, but the color blocks don't appear to be checkbox.

Recommendation

Turn the color blocks into regular color checkmark.

3. User control and freedom

Users often make mistakes and need 'emergency exits' to leave the unwanted state. Support undo and redo.



Note

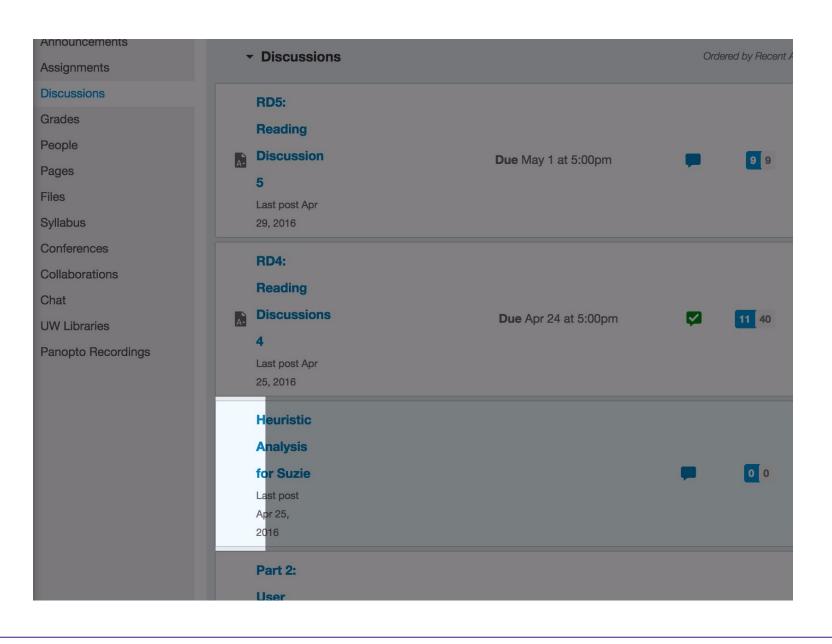
The content in this middle main column will be covered if the screen get squeezed.

Recommendation

The left or right panel should be foldable.

4. Consistency and standards

Users shouldn't have to wonder whether different words, situations, or actions mean the same thing. Follow platform conventions.



Note

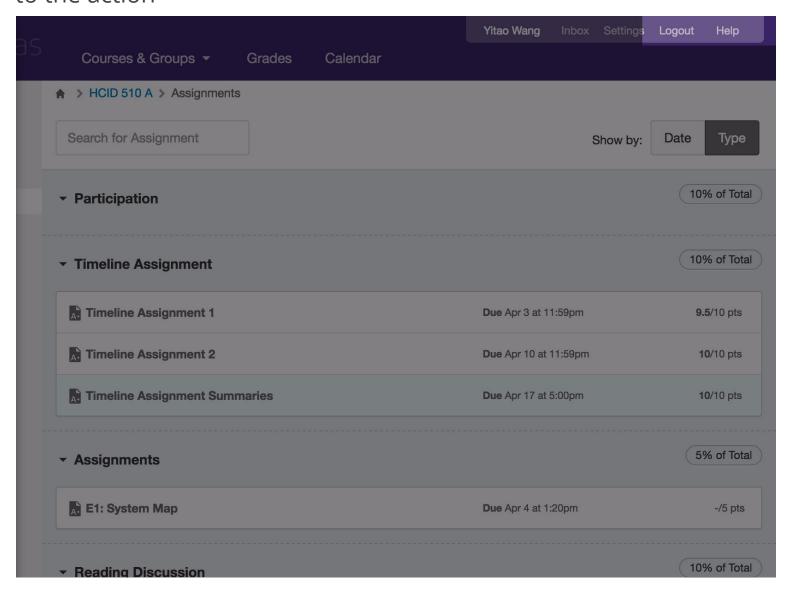
The icon for the discussion thread is not consistent. Some have and some don't have.

Recommendation

Put marks saying what each icon stands for.

5. Error prevention

Prevent problems from occuring in the first place, or check for them and present users with a confirmation option before they commit to the action



Note

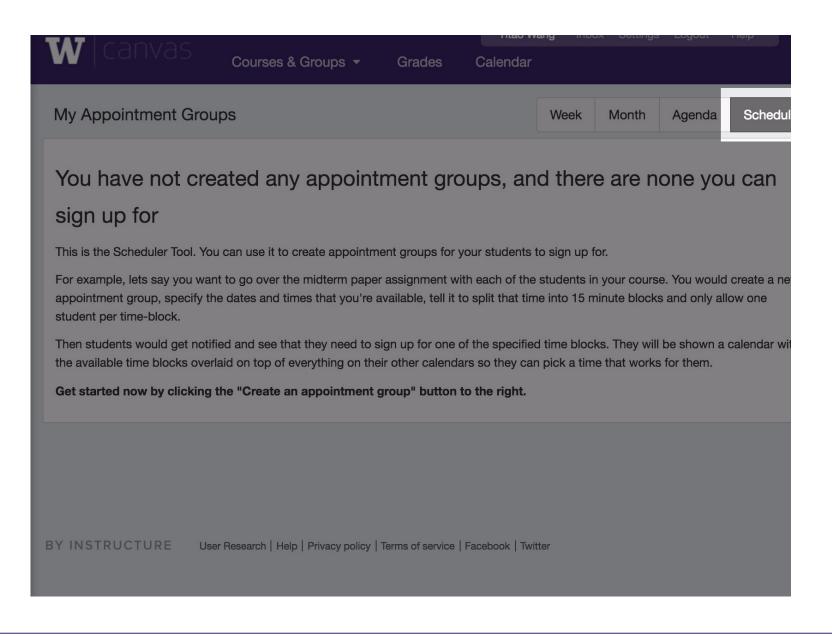
When user hits "Logout" button, there is no dialog popping out to prevent you from accidentally hitting it by mistake.

Recommendation

Call out a confirmation dialogue.

6. Recognition rather than recall

Minimize memory load by making objects, actions, and options visible. Instructions should be visible or easily retrievable.



Note

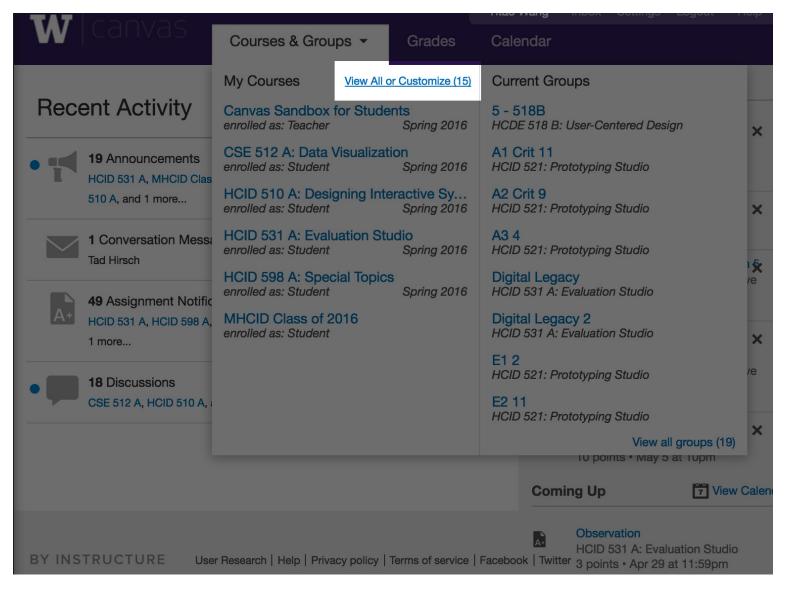
The term "scheduler" doesn't seem related to the real content under this category, which is more like an appointment group that you can sign up for.

Recommendation

Turn the word into "Appointment"

7. Flexibility and efficiency of use

Accelerators - unseen by the novice user - may often speed up the interaction for the expert user. Allow users to tailor frequent actions.



Note

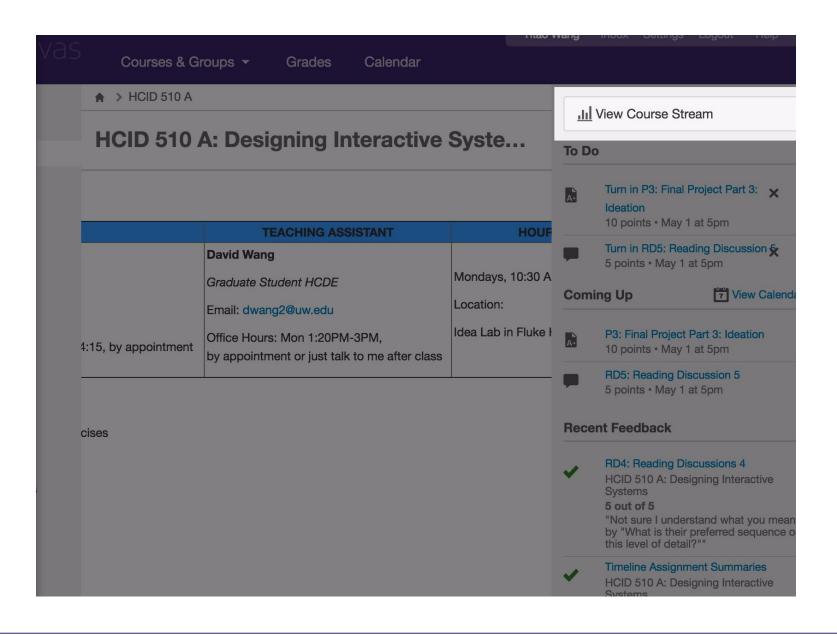
Novice users might not notice that they can choose if they want to view a specific course.

Recommendation

Make this button more obvious.

8. Aesthetic and minimalist design

Dialogues should not contain information which is irrelevant or rarely needed.



Note

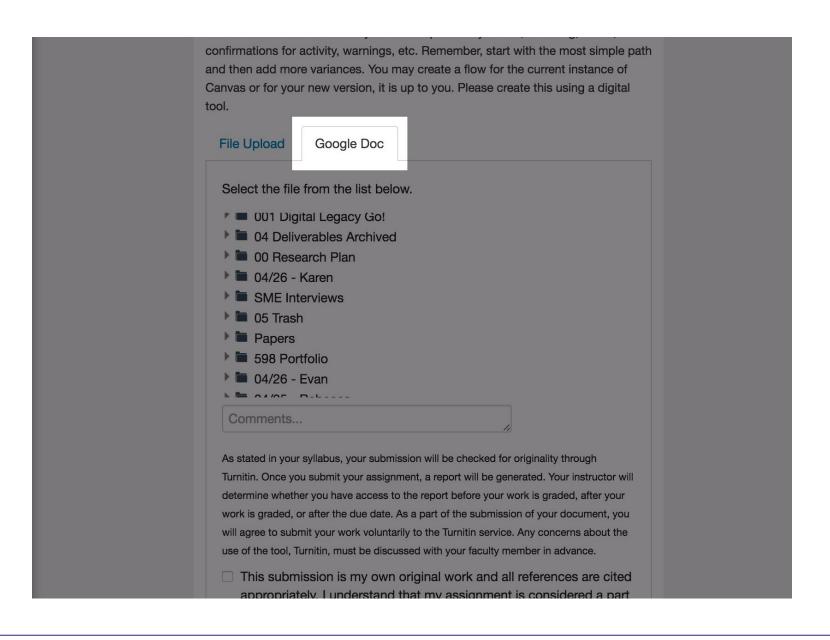
This is a button that I've never used.

Recommendation

Remove it for the sake of minimalist design. Only keep the buttons that are frequently used or don't put it at the top.

9. Help recognize & recover from errors

Error messages should be expressed in plain language, indicate the problem, and suggest a solution.



Note

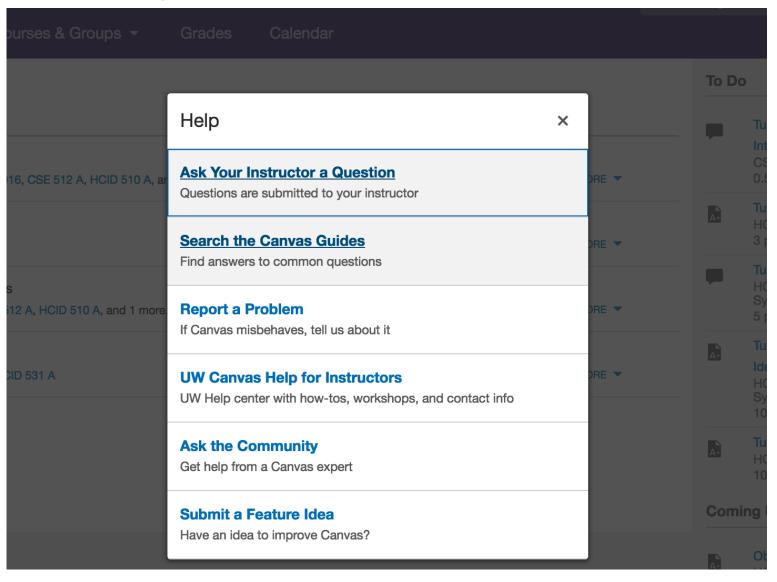
Actually when the assignment makes it specifically clear that it requires pdf format, the system still allows you to submit other format like google doc, which gives no reminder or notification to prevent you from doing it.

Recommendation

Should prevent users from submitting the wrong format.

10. Help and documentation

Any necessary help documentation should be easy to search, focused on the user's task, list concrete steps to be carried out, and not be too large.



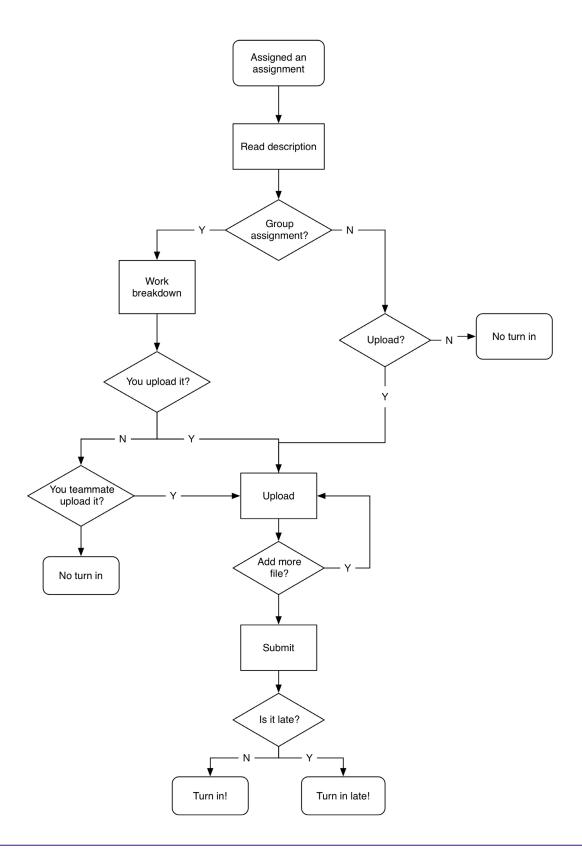
Note

In the help dialogue, it can do a better job by putting the most frequent asked category at the top. My assumption here is that "ask your instructor a question" is not a frequent used category so it should not be the first one.

Recommendation

Rank the category by the use frequency.

User Flow

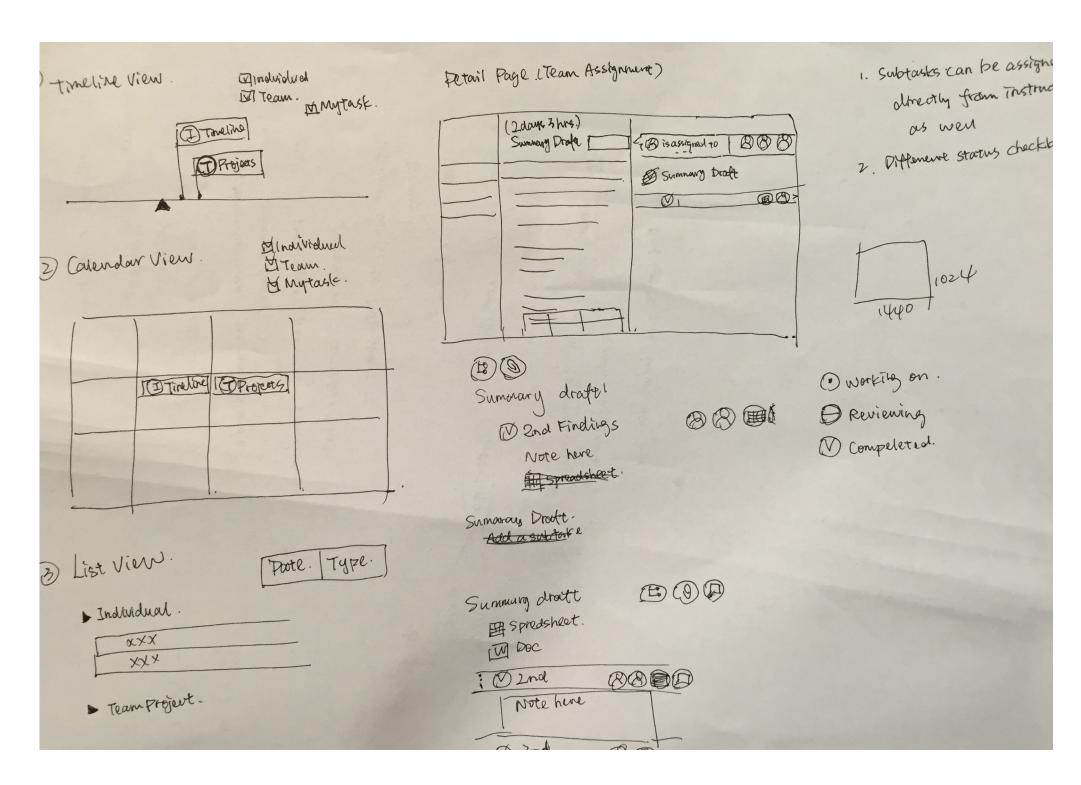


Assignment turn in flow

This is a user flow depicting specifically after students have been assigned assignments to work on. If it's a group assignment, team breakdown and who will be turning in the assignment would be the main steps differentiate this path from the individual assginment user flow.

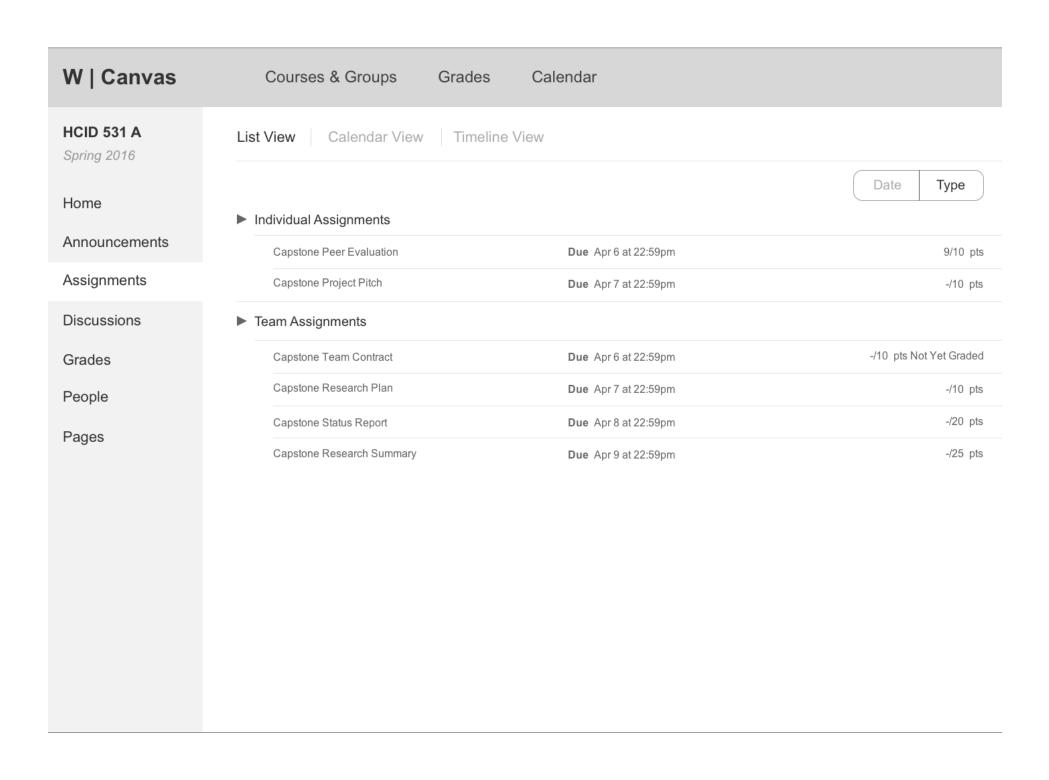
This flow gave me insights that to make the team assignment turn in process more smoothly, work breakdown and assign people to turn in the assignment eventually would be the pain points the new system can tackle.

Paper Sketches



Paper Sketches

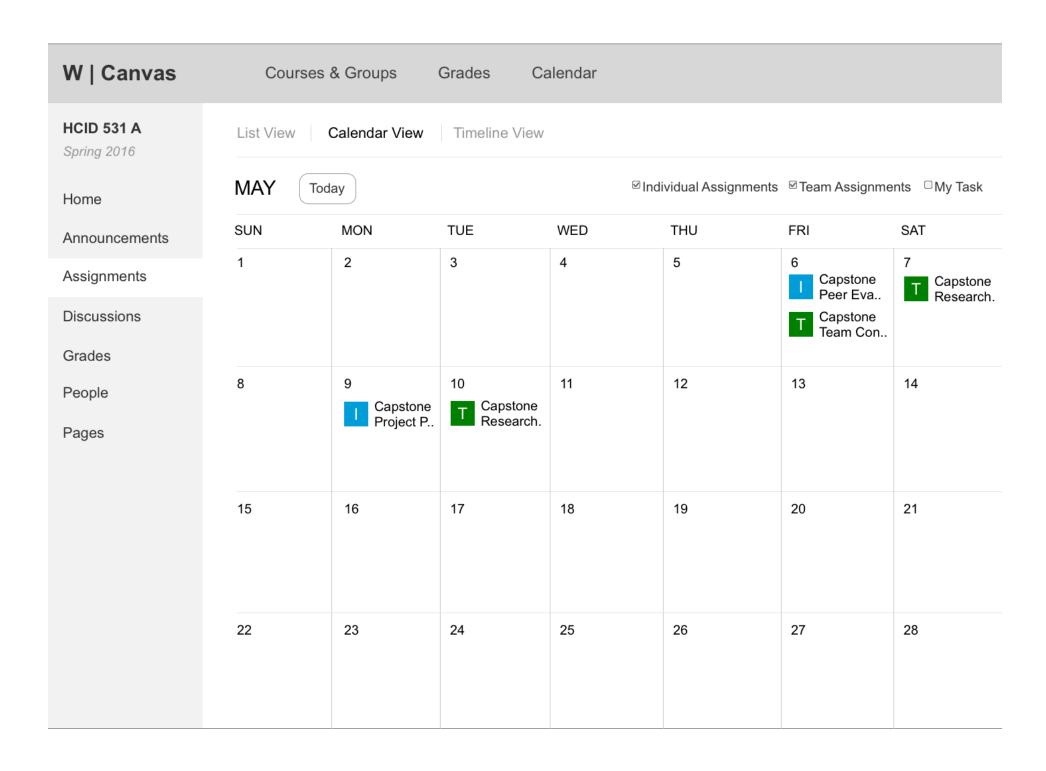
Before going about doing wireframes in Axure, I sketched my initial design ideas on paper.



1. Assignment List View

There are three view options to display the assignment list. The first of them is the list view. Assignments will be defaultly sorted by the "DATE" - due date.

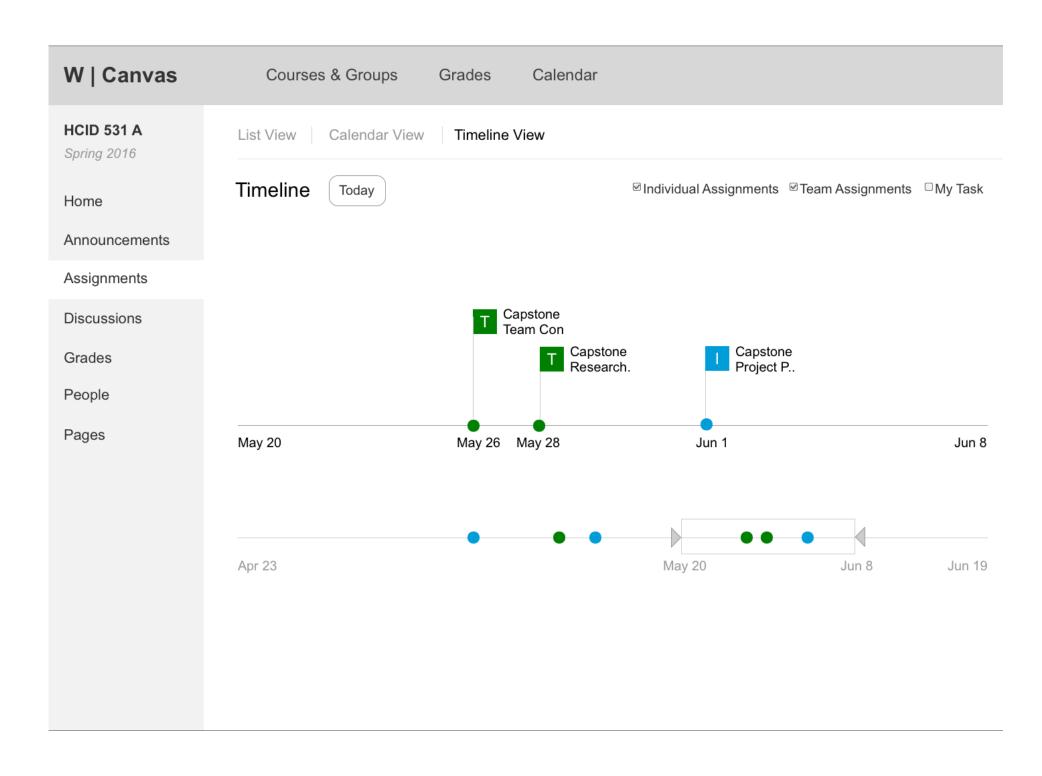
This wireframe shows how assignment will be sorted by "TYPE". As shown, assignments will be grouped by individual and team type and they are ranked by due date from the latest to the oldest.



2. Assignment Calendar View

This wireframe shows how assignment will be displayed in a calendar view.

Users can scroll up and down to switch the month. There are three checkboxes offered to filter three kinds of assignments - "Individual, Team and my task". "My tasks" are subtasks of one assignment that you or your teammates assign to you.

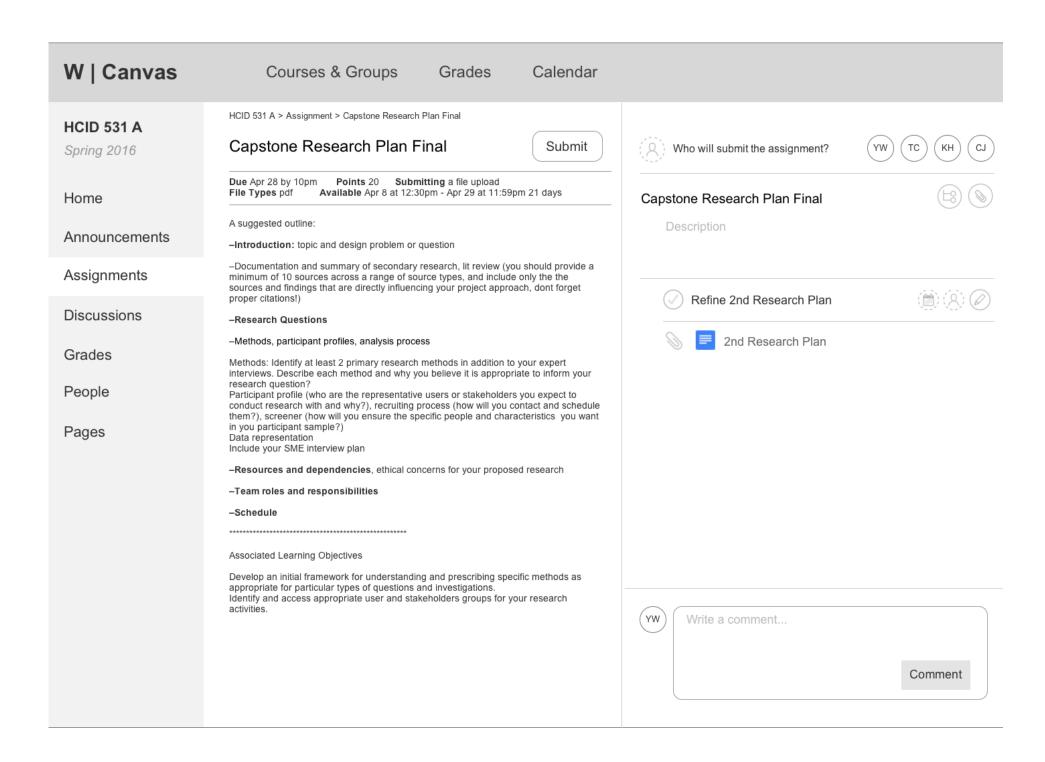


3. Assignment Timeline View

This wireframe shows how assignment will be displayed in a timeline view, to give users a holistic sense of all the assignments they will be having in one quarter.

There are two timelines, the bottom one is the timeline for the whole quarter. Users can zoom in to a certain period of time by adjusting the two-side slider, then the corresponding period will be displayed above, showing more details of the assignments.

This view offers three checkboxes on the top right to filter as well.



Detailed Assignment Information

Left panel shows the assignment requirement information. TO-DOS panel on the right is the panel for team or individual to break the assignment into smaller actionable tasks If it is a team assignment, shows the team members, and users can assignment a specific team members to submit the assignment eventually.

The user can click on "Add task" button to add a task below, or click on "Attach file link" to attach an external google file. Additionally, it allows users to set a due date for the task and assign one or more teammates to a specific task The paragraph at the bottom lists the activities log, such as attaching a file or assigning a task.

User Testing - Description

Location

At home On campus

Screener

- 1. Students of University of Washington
- 2. Canvas users
- 3. Have been assigned to at least one team assignment in this quarter

Material Needed

- A laptop displaying interactive wireframe
- Tasks for the user testing printed on a paper
- A notebook and a pen for taking notes when necessary

Assumptions That Led to Design

- 1. Users need various assignment views to have a better sense of the assignment due date, type (solo or team project) and how they fall on the holistic time scale in a quarter.
- 2. When assigned a team project, user would inevitably face a question about who should submit the final version of the assignment.
- 3. When encountered a team project, users want to divide the whole workload into several subtasks, assign each to their teammates and remind them by the due date.

Research Questions

- 1. Can user understand how three assignment views work?
- 2. Can user know how to assign teammate to submit assignment?
- 3. Can user figure out how to add external files from google drive?
- 4. Can user figure out how to set up subtasks for each assignment?
- 5. Can user figure out how to set a due date for each subtasks of the assignment?
- 6. Can user figure out how to assign subtasks to teammates?
- 7. Would these improvements and redesigns help people mitigate the concerns with their team assignment? How do people feel?

User Testing - Script

Introduction

Hi, welcome, thanks so much for taking your time to join our test. I'm Yitao, nice to meet you. I'm currently helping canvas improve the user experience, especially for the team assignment aspect. Most importantly, I want to make it clear that there is nothing that you can do wrong during the test, since you are testing the system; the system is not testing you.

The test would take about 30 minutes and if you don't mind, we will be videotaping the test and the video will be strictly used for analysis among our team only.

The whole testing procedure would go like this - we will start off by going through a few questions about your canvas using experience. Then we will get down to let you try out the prototype we designed. In the end, we will wrap up by asking you a few more questions.

Does it make sense? Any questions before we begin?

Interview Questions

- 1. How often do you use Canvas?
- 2. How often would you be assigned to team assignment?
- How long would those assignments last?
- How complicated are they?
- 3. What are the obstacles that you've encountered with the team assignment?
- What and how do you think they can be improved?

Tasks

- 1. To see how these assignments fall on the calendar, what would you do?
- 2.To filter out the individual assignment on the calendar
- 3. To see how these assignments fall on a timeline for this quarter
- 4. To adjust the time slot
- 5. To see the assignment requirement page of the assignment "Capstone Research Plan Final"
- 6. To assign the teammate "TC" to submit this assignment finally
- 7. To add a subtask for this assignment "Refine 2nd Research Plan"
- 8. To add an external google document called "2nd Research Plan"
- 9. To set the due date for this assignment to be "May 30"
- 10. To assign this subtask to teammate "TC"

User Testing - Script

Prop Questions

- [After evaluator stop after each task] Did you think you have succeeded the task?
- [When evaluator read the wording on the interface for a while and stop talking] Are there any interface elements that don't make sense?
- [When the evaluator stop talking for a while] What's in your mind now?
- [When the evaluator clicking back and forth] Is there anything confuse you or you need more information?
- [When the evaluator looks surprise] What did you expect to see?

Wrap-up Questions

- 1. How do you feel about the design? Is it easy to use?
- 2. Any one of the features particularly good or bad designed?
- 3. Do you think they've addressed the problems you encountered previously?
- 4. Any other suggestions or comments?

Learned from Pilot Test

- 1. For the interview question 2 "How complicated are they?", more props should be prepared to define the word "complicated"
- 2. For the interview questions 3, be careful not to ask in a way that is misleading
- 3. To prepare for the test, more details of the wireframes should be fleshed out

User Testings

Test Carried Out

LOCATION

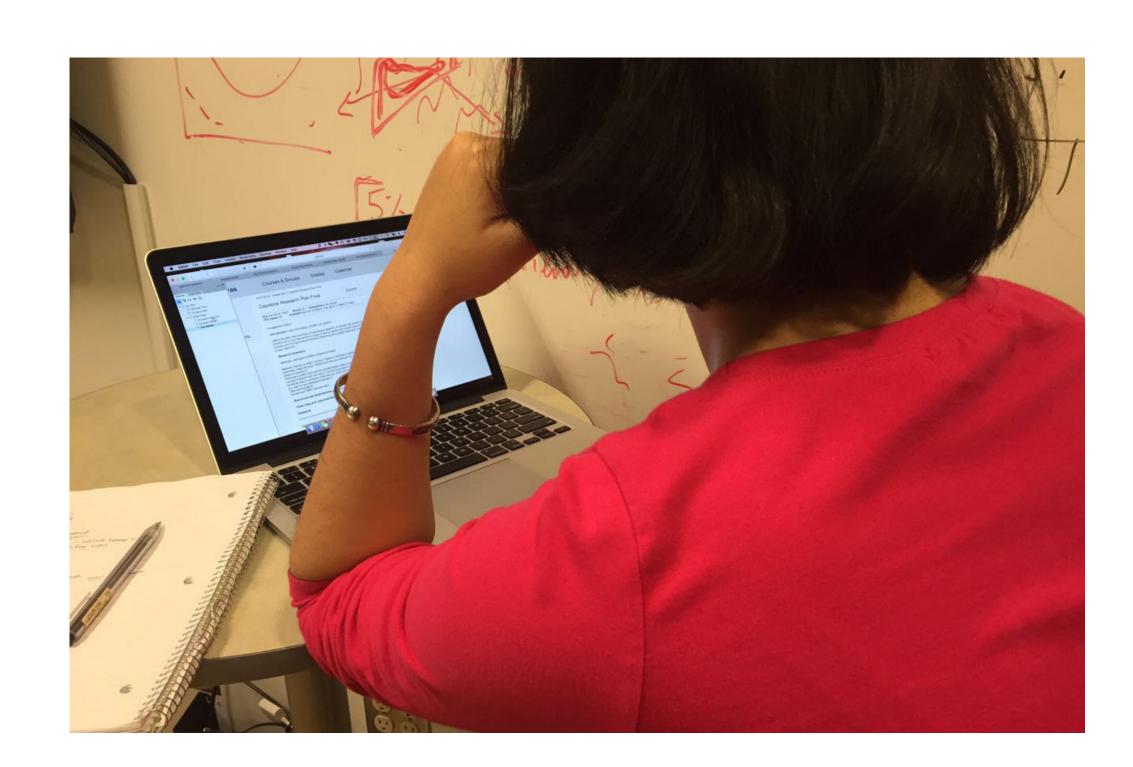
At home or on campus

PARTICIPANTS PROFILE

P1: [Medium Heavy User]
Female, Master, 20s.
She has one team assignment every 2 weeks.

P2: [Light User]
Female, PHD, 30s.
She has two team assignments in two years.

P3: [Medium User]
Femaile, Master, 20s.
She has one team assignment every 2-3 weeks.



User Testing - Results

Page	Feedback	Queto	Implications	P1	P2	P3	All
Calendar view	TODAY button is confusing.	"I don't know it will just show the assignment today or it will hightlight today in calendar only." "It might take me to see only the tasks on today."			1 1		2
Calendar view	Color code different types is enough.				1		1
Calendar view	The detail time of each assignment should be displayed.				1		1
Calendar view	Make the whole month into one screen	"It's too much a hassle to scroll down to view a whole month."				1	1
Calendar view	Miss the button to switch between months.		add a left and right button			1	1
Timeline view	Two timeline looks confusing at the first glance.	"I didn't know the bottom line is a quarter."	Add title		1		1
Timeline view	Font size of the assignment title are different.				1		1
Timeline view	Miss the mark of TODAY in the timeline.				1	1	2
Timeline view	MY TASK is not clear.	"here is the only place shown 'task' along the whole prototype that can't make me think of what it refers to." "Looks like individual task."			1	1	2
Timeline view	Mark every month on the line.					1	•
Detail page	DESCRIPTION is confusing.	"i think here is a place to add task?"			1	1	2
Detail page	The feedback after assign a teammate to submit is not noticable.	"prbly color code it to make it more obvious"				1	
Detail page	ADD TASK icon is confusing.	"It looks more like a share button."	Add text "add task"		1	1	2
Detail page	Not share what the right panel is for.	"The right panel looks like one part of the submission procedure now."	Add a title - "Team collaboration" Consider collapse the right panel		1		
Detail page	Not sure the file belong to which task.		Move the file icon below the main task		1		1
Detail page	Didn't know the file is a link to the external file	"I thought I just upload a file and it will never update agian." "if it'll update, how about putting a url here?"			1 1	1	
Detail page	Can consider add sections as milestones to separate tasks.				1		
Detail page	The PEN icon looks like for editing the name.				1		1

Problems Identified

This is a table itemizes usability issues belong to corresponding prototype pages, along with problems frequency and feedback collected from participants.

By summing up the frequency of each issues and color coding, this table serves as a clear direction for future iteractions.

User Testing - Results

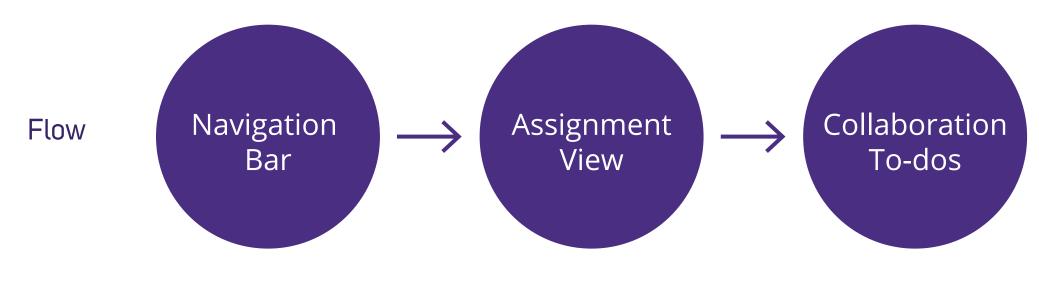
Key Findings

- 1. [3/3] Since the external files are uploaded on the page with assignment submit button, it makes people think the file link would not be uploaded.
 - "I thought I just upload a file and it will never update again." P2
- 2. [3/3] Participants were confused about the flexibility after one of the teammates has been assigned to submit the deliverable afterwards.
 - "Everyone can assign who to submit?" P1
 - "What if that teammate forget? Can I help him or her to submit?" P2
- 3. [2/3] The timeline view misses the sense of today.
- 4. [2/3] The DESCRIPTION text below the main task is confusing.
- 5. [2/3] The icon to ADD TASK is confusing.
 - "It looks like a share button." P1
- 6. [2/3] Activities log should be provided.
 - "So I know who did what." P3
- 7. [1/3] Missing the button to switch between months.

Iteration Directions

- 1. Give the external files a sense of "link", instead of a static file
- 2. Make sure there is notification after someone has been assigned to submit the deliverable
- 3. Mark TODAY in timeline view
- 4. Remove DESCRIPTION text
- 5. Tweak the ADD TASK icon by replacing it with a plus looking icon or simply adding text next to the icon to describe it
- 6. Add activities log at the bottom of the collaboration tool
- 7. Add a left and right button to switch between months
- 8. Add a title "Team collaboration"
- 9. Consider collapse the right panel
- 10. Move the file icon below the main task

Summary of Visual Design



Design Requirements

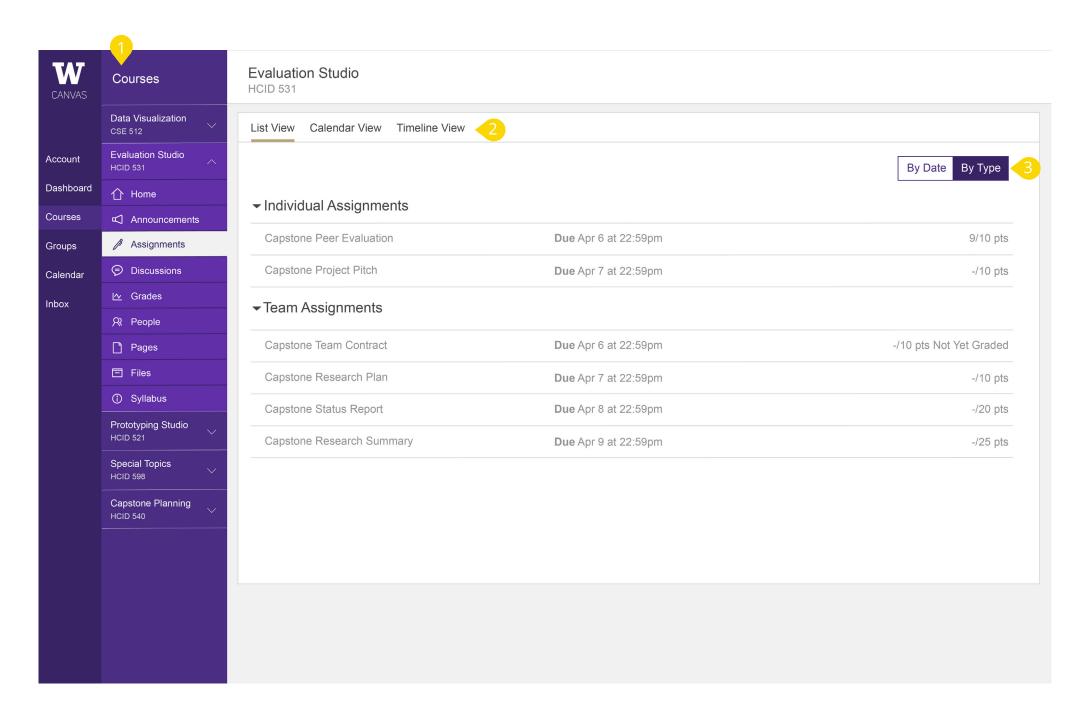
Find the target information easier and faster.

Know when to work on what assginment, with whom?

Assignment centered collaboration to keep everything on tack.

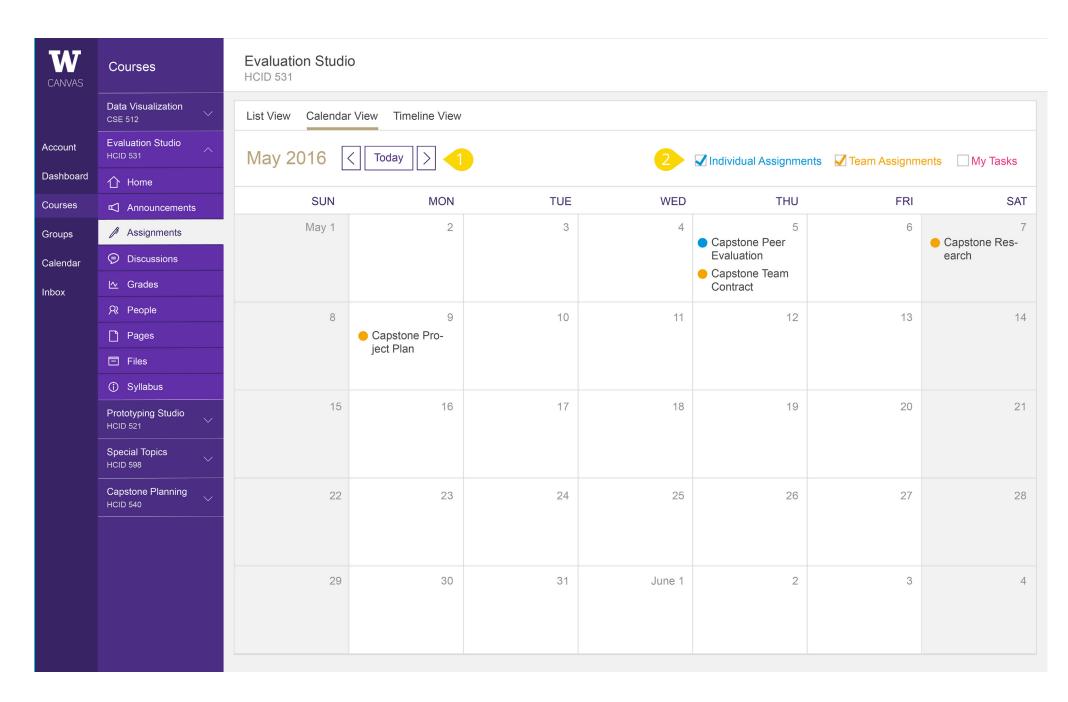
Features & Improvements

- Three-level left navigation bar
- Quick switch between different courses
- List view, calendar view, timeline view
- Individual assignments, team assignments, my tasks
- Break an assignment into actionable tasks
- Assign tasks to team members with due date
- Attach external google files to create seamless work flow
- Multiple task status to check progress
- Customizable notifications



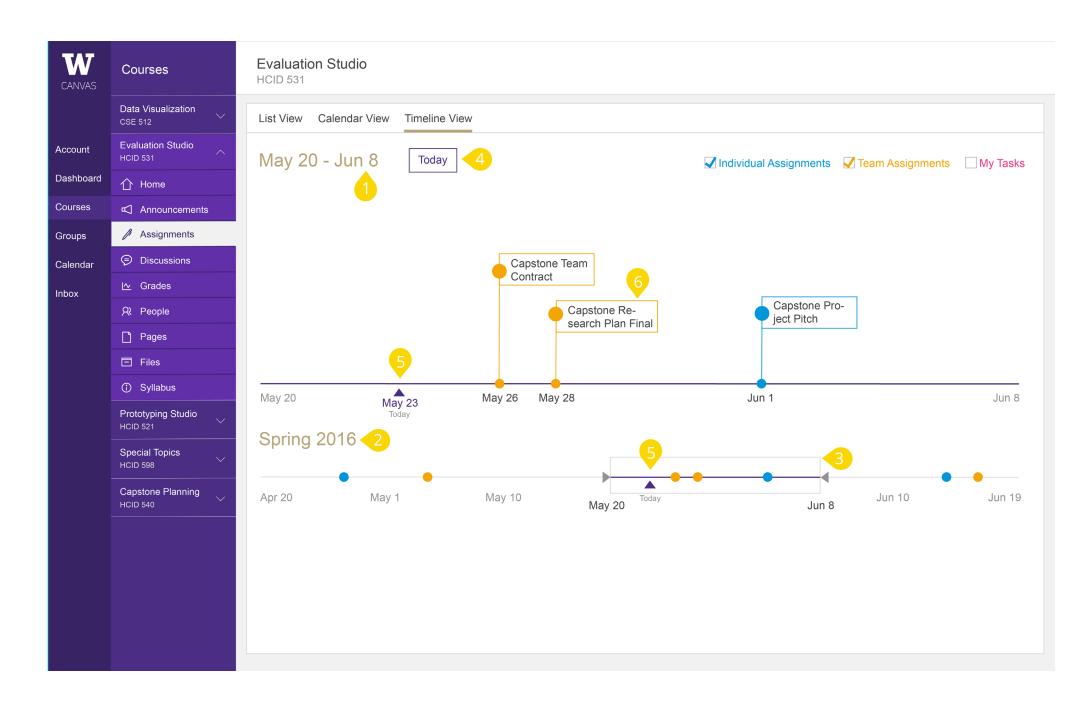
Assignment List View

- 1. Three-level left navigation bar
- 2. Allows users to quickly switch between different courses
- 3. Three assignment views
- 4. Allows users to have intuitive sense of when the due dates of the assignments are
- 5. Sort assignments by type
- 6. Assignment type is defined to be individual and team assignment



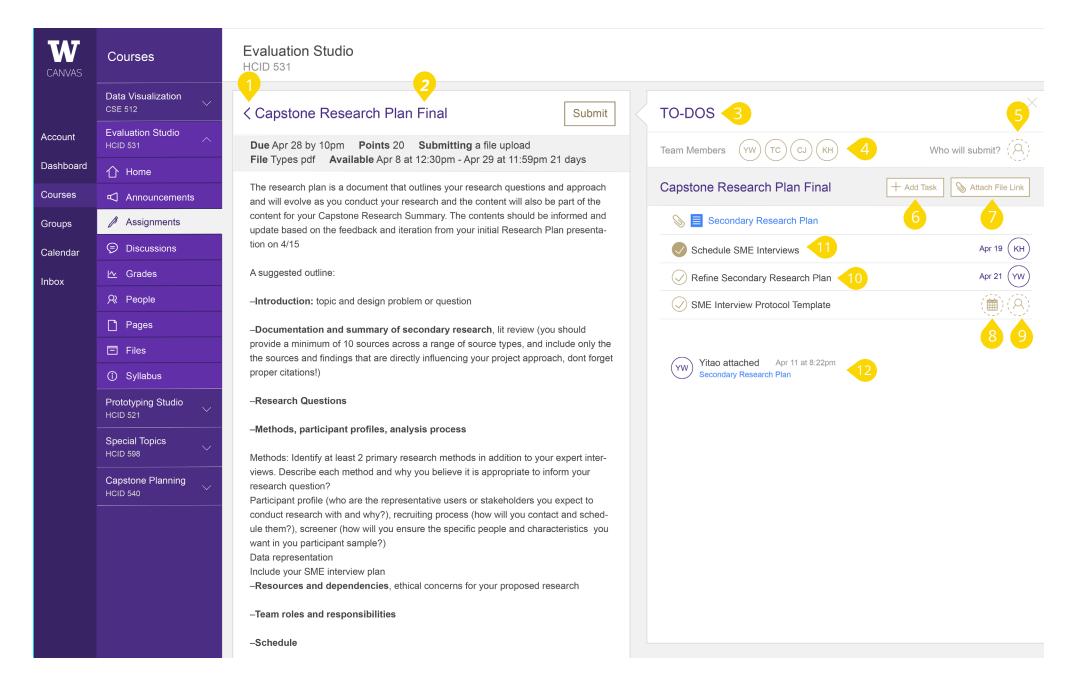
Assignment Calendar View

- 1. Added month switch based on the feedback learned from user testing."TODAY" button allows users to go back to the current month
- 2. Filter to select the type of assignment that users want to see on the calendar



Assignment Timeline View

- 1. The default time span of the first timeline is the recent 7 days starting from today
- 2. The second timeline span is the length of the current quarter
- 3. It's a double slider lets users to zoom in a certain period, the assignments fall into this period will be displayed on the first timeline above with detailed information
- 4. "TODAY" button lets users to go back to the default timeline view recent 7 days
- 5. It shows where today falls on the timeline.
- 6. The assignment details. Users can click on it to go to detailed page



Detailed Assignment Information

- 1. Allows users to go back to previous page
- 2. Left panel shows the assignment requirement information
- 3. TO-DOS is the panel for team or individual to break the assignment into smaller actionable tasks
- 4. If it is a team assignment, shows the team members
- 5. Can assignment a specific team members to submit the assignment eventually
- 6. "Add task" button to add a task below
- 7. "Attach file link" to attach an external google file. The file will be displayed above the first task
- 8. Set a due date for the task
- 9. Assign one or more teammate to a specific task
- 10. The task that has not been done yet
- 11. The task that has already been finished
- 12. List the activities log, such as attaching a file or assigning a task

Moving Forward

Project Summary

The scope of the Canvas redesign is focusing on faciliating the team work for team assignments in Canvas. The refined version helps students distribute team work, keep track of progresses and submit the assignment without hassle.

This 5 weeks project followed the user-centered design process, which included investigation, ideation, prototyping, evaluation and final deliverable. Going through the process, a wide range of design methods were carried out in every stages, and I believe the design toolkits learned from this experience could be easily applied to future projects and work.

Next Steps

Given the limited time, the high fidelity user interface haven been fully tested out. So another round of user testings should be under scheduled.

Team communication is an important part of team work. To better communicate accross multiple platforms, applications such as Slack that are widely used should be integrated into Canvas to create seamless collaboration experience. For example, notifications in Canvas can be push onto Slack to gain instant notice.