

HCI Milestone 1

Jaryd Meek, Emily Parker, Elena Smith

Recitation Section 102

Group Name: ZU Grads

Requirements Gathering Report

- Methodology

We used a Google Form as our method of collecting information and posted the link to Ed for other students to answer. We also asked friends and acquaintances who are in school and have online/remote classes. The key interview questions/observation targets were:

- How often do you use Canvas for school?
- How often do you use Zoom for school?
- How often do you use other websites (such as Piazza, Ed, Moodle, etc.) for school?
- How easy is it for you to keep track of your homework/Zoom links/website links?
- Do you feel that it would be beneficial to you to have a website/app that stores all of your homework due dates, Zoom links, and other school-related links?
- What could Canvas include or change to be better?
- What features of Canvas do you use most often?
- What features of Canvas do you use least often?

The number of participants that responded was 14.

- Summary

Our application is meant to be a better way to keep track of school-related due dates and links. Because the main websites students are currently using to navigate online school are Canvas and Zoom, we decided to focus a good portion of our questionnaire on those sites. Students responded that they use Canvas every day, Zoom every day, and other websites used for school purposes at least every 2-3 days. Furthermore, when students were asked if it would be beneficial to have a website or app that stores all of

their homework due dates, Zoom links, and other school-related links, the majority of them responded “Yes.” The fact that these sites are used so often and the fact that students would find it beneficial to combine these sites means that our idea of integrating these sites into one place, either a single website or a single phone app, could be very useful.

An important part of our application would be having a single place to store Zoom links. When being questioned, something that our friends and acquaintances noted was that there’s no great way to access Zoom links for recurring meetings, and it’s frustrating. There isn’t a clear way to add recurring Zoom meetings to the Zoom app which means that students have to bookmark Zoom links or emails to Zoom links or use some other method of quickly finding their Zoom class links. Therefore having one easy-to-access place to store Zoom links is a major requirement of our application.

Our application would be either similar to Canvas or designed to pull data from Canvas, so we focused on Canvas for part of our survey. From the results of our Google form and talking to friends and acquaintances, we found that while Canvas has a lot of nice features, it could be better. We asked our participants what Canvas could include or change to be better. The most common response asked for a different layout. Canvas is not always intuitive. Even with daily use, it can still be confusing. There are tabs that we never or hardly ever use that could be removed, web pages that would make more sense being grouped together, and other tabs that could be added to increase Canvas’ usefulness. For instance, according to the results of our survey, it would be incredibly helpful to add a tab on Canvas’ sidebar dedicated to Zoom links for classes. Because of this finding, we plan to include a tab on our app that would be dedicated to class Zoom links. We also strive to make our app as intuitive and easy to use as possible as relating to the fact that participants think that Canvas would be improved with a different layout. Another common response to what Canvas could include or change to be better is a search bar. Sometimes it’s hard to find certain things on Canvas, but this problem could be easily fixed if a search bar was available. Due to this response, we plan to include a search bar in our app.

We also asked our participants what features of Canvas they use most often and which features of Canvas they use least often. Some of the least-used tabs on Canvas' sidebar according to our survey include Groups, Inbox, Studio, and Account. Some of the most-used tabs on Canvas' sidebar are Dashboard, Courses, and Calendar. This suggests that the most important features to students on Canvas are the areas where they can find assignments, quizzes, lectures, and due dates. Our app plans to especially focus on these features of due dates and assignments.

In regards to any other elements that students would like to see in an app integrating Canvas and Zoom, a couple students noted that it might be nice to have a place to write and store notes. We will consider adding a place for notes due to these responses.

- Subsequent requirements

Some subsequent requirements we found included:

- Our application must a good user interface that is intuitive, easy to use, and neat-looking
- Our application must be similar to Canvas or pull data from Canvas
- There must be a tab dedicated to due dates as pertaining to assignments, quizzes, and announcements
- There should be a calendar view of due dates as pertaining to assignments, quizzes, and announcements
- There should be a place to access individual courses and their corresponding web pages
- There must be a tab on a sidebar dedicated to Zoom links
- It would be preferable to include a search bar
- It might be useful to have an integrated place to take notes
- It might be useful to have another tab dedicated to storing other school-related links

Ideation & Brainstorming Report

- Some results from your consolidation discussion







We started with the general idea of wanting a place to store Zoom (and other meeting) links for easy access for students. All of us, and many students we talked to have to scavenge through emails or Canvas pages to find the link for a zoom meeting for every class. Once we had the general concept, we needed to figure out where to store the zoom meeting links to make them easily accessible.

We wanted a place where students can store all their Zoom links, but did not know the medium we wanted to store them in. We pitched ideas including standalone macOS and Universal Windows Platform as desktop apps, standalone iOS and Android apps, and cross platform apps, but then settled on the idea to store them somewhere in Canvas. We again pitched ideas on where to store them inside Canvas. We first thought about adding a big banner on the top of each course page, or perhaps a sidebar item (like “files”, “modules”, “grades”, etc) on each course page, but in the end we settled with a tab on the left of the overall Canvas site that contains zoom links for all classes in one place, so the user does not even have to go to each course page individually.





This agreed with the research we completed earlier, and so we decided that this would be the best course of action moving forward. We should be able to add all of our desired features and still have the interface be intuitive and necessary information easily accessible.

Our final design will be a main sidebar tab on the left side of the Canvas window. When clicked, it will take you to a page where it lists each class's link and time as well as an option to add a new link. This page can be automatically populated by professors if they set a zoom link for their class, or it can be added manually by a student if a professor does not add a link themselves. It will have support for a zoom link, password and time as well as a name to save it under. This should offer an easy location for students to store all their zoom links, and a quick place for them to just click a link when they accidentally sleep through class and need to find the link quickly to receive participation points.











Mobile App

	CSCI 3022 PW - 102346
	CSCI 3104 No PW
	PHIL 1100 No PW
	CSCI 3104 PW - URMOM69
	CSCI Recitation PW - 109494
	

Class Page

 Person	CSCI 3022
 Books	Click Here For Zoom link Dummy
 Things	<u>Announcements</u>
 Help	stuff!
	<div>Grades 10000/1 20/10 420/69</div>

Class Page

 Person	<u>Zoom Links</u>	
 Books	 PHYS 1120 PW- 1120PW	11:00 AM
 Things	 CSCJ 2824 No PW	12:00 Noon
 Help	 BUSM 2010 No PW	1:00 PM
 Zoom	 BUSM 2010 Recitation PW- 12489	1:45 PM
	 CSCJ 3008 PW- Password	4:00 PM

Prototype & Three Tasks

For our [Figma Prototype](#), we decided to focus on 3 tasks of Viewing links in your list, adding a zoom link, and removing a zoom link. For our prototype, we set it up so that upon hitting the “Dashboard” button on the left hand navigation bar, the prototype will reset, undoing any changes to the link list. Note that the other canvas features are not included in this prototype as they are not relevant to our add on feature of zoom organization

The first task is viewing the list of zoom links. For this task, the only action required is to click the “Zoom” option on the left hand navigation bar, added to the canvas page. This is a fairly simple task, however the prototype is made to clearly show the relevant information for a zoom call, and be made to store the links in an easy to view way that fits with the canvas environment.

The next task is to add a new zoom link with meeting information to the list. For this task, starting from the dashboard, we take the same first step of accessing the “Zoom” option on the left hand navigation menu. This is a main first step for all tasks since it falls with the same organizational method canvas already has. The next step to add a new zoom link is to click the blue “Add Link” button on the upper left hand corner of the Zoom page. This button is created to

follow the design of the “Submit Assignment” button in canvas, so that those who are already accustomed to the site will be able to quickly understand the purpose of the button. The only change is the text on the button which clearly identified the label. This page navigates to a new page where relevant information pertaining to the link can be added. Here these are just images with text representing text entry boxes where information would be typed for a real entry. From this page there are two buttons on the bottom. On the left there is a grey “Cancel” button which redirects to the previous page with no edits. On the right there is another blue button labeled “Add Link” which follows the same format as the previous button, but changes location to the end since information is being entered. This returns to the Zoom page however it adds another Link with what would be in the inputted information. This therefore successfully adds the link and accomplishes the task.

The final task is to remove a zoom link from the list, starting from the dashboard again, click the “Zoom” option on the left hand navigation menu. This again will navigate to the list of zoom links. For the task of deleting a zoom link from the list, it is simply selecting the red button saying “Remove” on the left of each link in the title row. There is one of these for every link added, and selecting it will cause that link box to disappear from the Zoom link page.

We have set this up so that up to one link can be added in the prototype, and any links added can be removed. All of these actions therefore have some flexibility in the order and as a result if the new link is removed, then it can be readded through the add link task. This ensures that all of the tasks can be completed at least once regardless of order, so long as the tester begins on the “Dashboard” page of Canvas.

README

We met over Zoom and fairly split up the work. Elena made a Google Form and helped send it out to people, Jaryd did the drawings, and Emily created the Figma prototype. For the writing, we met again, worked through each section together, and answered the questions together. We all feel that our work was split fairly and evenly.