

COSC 499 Capstone Peer Testing #1 Report

AGMeeting(1)

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Peer Testing #1 Description

For this milestone, we have been working on implementing UI components based on the wireframes we have received from the client. The focus from the client has been to only work on the front-end. Following the implementation of the components in the wireframes, we will then begin working on backend functionality as requested by the client. For this peer testing session, we were focused on getting a heuristic evaluation of the UI in our project.

We currently have implemented approximately 13 pages/components. These are as follows: welcome page, login page, registration page, in-session page, agenda page, vault page, interactions page, registered user page, logged-in users page, roll call modal, content message page, site settings, and meeting settings page.

The tasks we asked the users to complete were navigating the different pages and components, and performing the actions on these pages. We wanted to determine how the navigation of our software worked, and how the visual aspects of the software make it easy to use for the user. Since we have not worked on the back-end yet as requested by the client, the functionality of the pages is not implemented yet. This will be implemented in preparation for the next peer testing milestone.

Identify Participants for Each Session

Number of participants: 6

Session	Administrator	Participant	Status	Type	Explanation
1	Garry	Sayo E.	Completed	User Feedback	
1	Chester	Opey A.	Completed	User Thinkaloud	
2	Chester	N/A	Incomplete	User Feedback	No participant signed up for this session.
2	Garry	Mathew de Vin	Completed	User Thinkaloud	
3	Carson	Michael B.	Completed	User Feedback	
3	Ryan	N/A	Incomplete	User Thinkaloud	No participant signed up for this session.
4	Ryan	Ramisa N.	Complete	User Feedback	
4	Carson	Deka A.	Complete	User Thinkaloud	

User Group and Associated List of Tasks

Meeting Participant User Group

Task 1

- ☐ Navigate to the Settings page and change the meeting place to Kelowna
- ☐ Navigate to the Vault page and click the view button for the file attached to the agenda item Marketing plan
- ☐ Navigate to the settings page and change the event name to "peer testing"
- ☐ After changing the event name navigate back to the welcome screen
- ☐ Post a message to the administrator of the meeting asking him to call for a vote

Task 2

- ☐ Navigate to the registration page.
- ☐ From the navigation,page navigate to the login page without using the tab in the header.
- ☐ Navigate to the in-session page.
- ☐ Navigate to the registered users page.
- ☐ Navigate to the logged-in users page.

Task 3

- ☐ Navigate to the page settings sidebar.
- ☐ Change the current theme of the page using the sidebar.
- ☐ Change the text direction for the page using the sidebar.
- ☐ Navigate to the Interactions page.
- ☐ Navigate to the Roll Call page and perform a roll call.

Task 4

- ☐ Navigate to the agenda page.
- ☐ Navigate to the content message page.
- ☐ From the content message page, select a destination option and upload a file.
- ☐ Navigate to the settings page and change the time for the voting session to 3 minutes.
- ☐ In the settings page, change the % of participants to call for a vote to 50%.

Issues Discovered

Issue	Description	Usability Heuristic	Priority	Solution
Settings sidebar hard to find	Many users had trouble finding the settings sidebar	Flexibility and efficiency of use	High	Add a settings cogwheel icon, so it is obvious what the button does
Meeting settings hard to locate	Some participants had trouble locating the meeting settings	Flexibility and efficiency of use	High	Add an icon or make accessing the meeting settings easier to locate by adding a button to areas where the user might need to access the settings
Settings page not obvious and is confusing with page settings	Some participants had trouble finding the settings page and found the page confusing	Flexibility and efficiency of use	High	A solution could be to add sidebar settings to the settings page and have them all contained together, or make the settings page less confusing by separating/sectioning the elements on the page
Settings icon would be ideal for page settings	A participant had trouble with the settings page	Flexibility and efficiency of use	Medium	Add a settings icon for page settings
Need more consistency between tables	Some tables are currently different than	Consistency and standards	Medium	Maintain consistency between tables

	others			so as to not confuse users
Content message hard to find	Some users had trouble locating where to compose a message	Flexibility and efficiency of use	Medium	Implement an easier way for users to compose a message, such as directly from any page rather than going to a specific page
Welcome page hard to find	Some participants had trouble locating how to navigate back to the welcome page	Flexibility and efficiency of use	Medium	Implement hover to the welcome page button so it is obvious that it is a button that takes the user back to the welcome page
Add filter or sort for bigger data fields	A participant mentioned we should add an option for filtering or sorting when where are larger, more confusing data fields	Flexibility and efficiency of use	Medium	Implement filter or sort to large data fields
Move file, edit, and view to the left to improve the layout	A participant suggested we move file, edit, and view buttons to the left side to improve the layout	Aesthetic and minimalist design	Low	Simply move file, edit, and view to the left side
Expand data for agenda fields	Currently, the agenda fields on the agenda page may be required to contain more information	Aesthetic and minimalist design	Low	Add an option to expand the data included in agenda fields to show more data to users if needed

Dark mode issues	Some minor issues with dark mode where there is still light mode elements	Aesthetic and minimalist design	Low	Change the elements that are still showing light mode to dark mode as well
A lot of lists	A participant mentioned that there was a lot of information in the form of lists	Aesthetic and minimalist design	Low	Change lists to cards instead, so it is not as confusing for the user
A lot of data fields	A participant mentioned there was a lot of different data fields clumped together	Aesthetic and minimalist design	Low	Section the data fields, so it is more organized
Some visual clutter	A participant mentioned there was some visual clutter	Aesthetic and minimalist design	Low	A feasible solution would be to remove irrelevant material or unnecessary elements from distracting users
Implement nature theme	Selecting nature theme is currently an option in our settings sidebar that does not work	Flexibility and efficiency of use	Low	Add the nature theme or remove the option for a nature theme
Link to terms and conditions	A link to the terms and conditions	Help and documentation	Low	This could be added to a footer or somewhere else on the app
Contrast can be improved upon, options for colour-blind	Some participants mentioned the contrast was not great	Aesthetic and minimalist design	Low	Alter the contrast for better viewing for users

Heuristic Evaluation Comments

The following images include the comments that were received from our participants following each peer testing section.

Overall, please identify things you like about the system.

7 responses

Good aesthetics, looking hot. You have a dark theme so you're clearly individuals of culture

The application is aesthetically pleasing, and the navigation and settings are intuitive.

UI was clear and was easy to navigate to different pages

The design is well done, and looks great

The aesthetics are pretty cool and everything is easy to understand and tasks are simple to perform.

It is similar to existing system and easy to navigate. I like the professional look of front end.

It is easy to navigate within the application, so performing designated tasks was easy to do. Simple and relatively clean aesthetic.

Heuristic Evaluations Positives

Overall, if you have to identify some things to change, what would they be and how would you change them.

7 responses

Add functionality, What does that one page with buttons do. Consistency in general.

Some of the instructions were hard to interpret due to hidden menus.

Page settings and meetings settings might benefit from being closer to each other or one the same page

Include helpful instructions for users

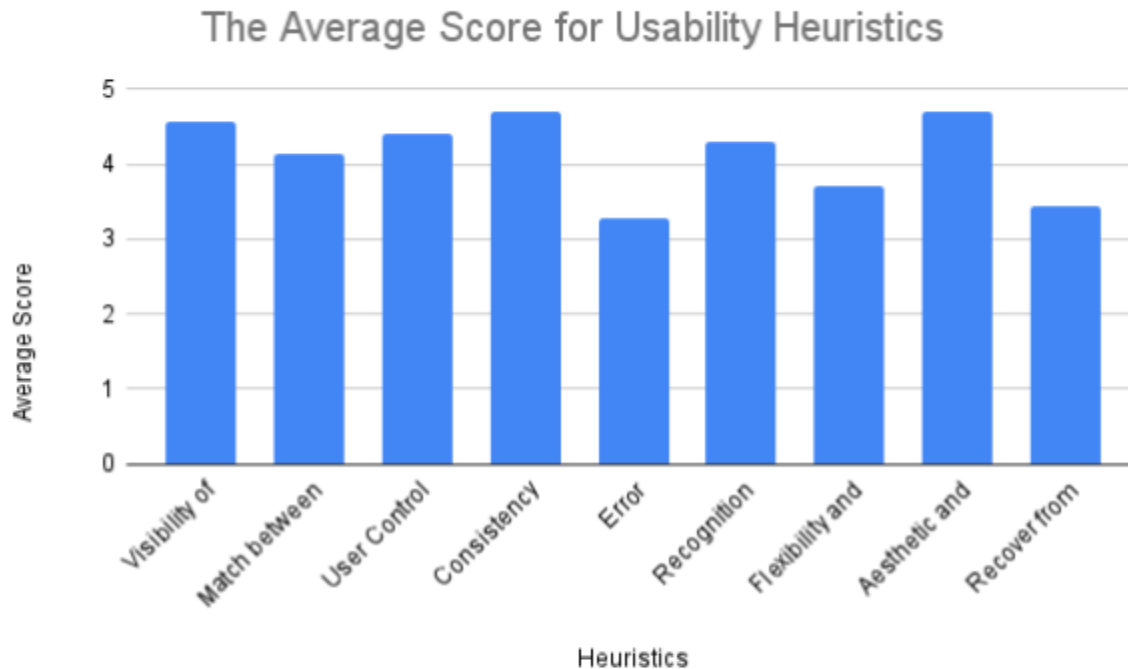
The sidebar could be made more visible and easier to read using bigger font since there is a bit of space under the "settings" options. Nothing else! Everything is pretty good.

I would limit to one side bar and tab on the top. I could not test everything without back end things.

Visual clutter.

Heuristic Evaluations Improvements

Quantitative Score Graph



Graph of Average Quantitative Scores

The above figure is the graph of the quantitative scores received from the surveys completed after our peer testing sessions. We had seven participants instead of eight as we had one participant that did not show for their session. The heuristics are represented based on the ordering of this article [Nielsen's 10 Usability Heuristics](#), the last bar, represent the combination of the final two heuristics due to their similarity.

Based on the results we received from our survey the usability heuristics for our application are in a very good spot. There are three main heuristics we should work on improving: error prevention, flexibility and efficiency of use, and helping users recover from errors/help and documentation.

Based on the comments from the Heuristic Evaluations Improvements figure, it is clear that these comments match with the quantitative data received from the surveys. Specifically, the comments related to providing better instructions and help to users, are an indication of the error prevention heuristic, and the helping users recover from errors/help and documentation heuristic. These are key areas we need to focus on improving. Secondly, the comments related to visibility and reformatting of menu locations to make a user's usage of the software easier, are related to

the heuristic: the flexibility and efficiency of use, which we will be looking to improve in the next milestone.

As seen from both the comments and quantitative data, we have a clear understanding of where we should focus our improvements in our UI.