

Usability Test Plan

Team-7: Time Wizards

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Consent Form:

Summary: The test imposes minimal risk, no harm should come to you performing the test, the results of the usability test are anonymized, and if at any time you wish to terminate the testing. you may

Computer User Interface Usability Testing You are being invited to participate in a research study to determine the usefulness and usability of computer user interfaces. This study is being conducted by Dr. Robert Pastel of Michigan Technological University Computer Science Department and Dr. Pastel's Human-Computer Interaction (HCI) courses. The students are performing the usability tests as part of their project and to fulfill the HCI course requirements. There are no known risks if you decide to participate in this research study. There are no costs to you for participating in the study. The information you and the tasks that you will perform will determine the usefulness and usability of user interfaces. The questionnaires and the tasks should take less than an hour to complete. The information collected may not benefit you directly, but the information learned in this study should provide more general benefits. The questionnaires and tests are anonymous. No one will be able to identify you and your answers, and no one will know whether you participated in the study except for the instructor of the class who is giving you credit for participating. Should the data be published, no individual information will be disclosed. Your participation in this study is voluntary. By completing the questionnaires and performing the tasks, you are voluntarily agreeing to participate. You are free to decline to answer any question you do not wish to answer or do not perform a task for any reason. The testing may make use of video conferencing software which will record your tasks on the computer screen and from your webcam. The webcam recordings will not be shared, and you may mute the webcam at any time. Before sharing your screen, you should clear your desktop of any open apps except your browser. Also, you should clear your desktop of any icons or widget that you wish not to be observed. If you have any questions about the study, please contact Dr. Robert Pastel, Associate Professor, Computer Science Department, Michigan Technology University, Houghton, MI 49931.

Test Scenario – 1: Add Course and Instructor

Test Goal:

To verify whether admin users can successfully add a course and instructor while using the "Add Item" feature.

Software or Equipment required

- Laptop.
- Internet

Quantitative Measurement:

- Time taken to log into the application.
- Time is taken to navigate the sections.
- Time taken to complete the scenario.
- Checking for any redundancy.

Scenario description:

In the usability testing session, participants are tasked with adding a course and Instructor section. They receive admin login credentials from the administrator to access the app. After logging in, participants navigate to the course and instructor. Moving to the "Add Item" section, they input course details and instructor. Upon submission, they return to the Section to confirm the successful addition of the course and instructor. This scenario tests participants' ability to efficiently use the app's features and ensure accurate course.

Task List:

- Access the website.
- Click on the login
- Navigate to the "Add Item"
- Navigate to the "Course"
- Fill out the details of Course code and course name
- Click on the Submit Button
- Navigate to the "Instructor"
- Fill out the details of Instructor name
- Click on the Submit Button
- Navigate to the "Instructor"
- Check the course and Instructor you added.

Qualitative measurement list:

- Is it easy to navigate and log into the app.
- type of errors encountered by participants while using the app
- ability to quickly understand how to use the app

Post-Scenario Interview and Questions:

- Do you like this application?
- Do you want to use this application again?
- Was it easy to perform the task?
- Were there any steps in the process that were confusing?
- How long did it take to complete the scenario?
- Did you face any issues or errors during the process?
- Was the user interface easy to understand?
- Would you recommend any suggestions to improve the process?
- Was it easy to navigate through the sections?
- Was it easy to add the course?

Bug Report Form**Bug Number:****Bug description:****Steps to reproduce:**

Test Scenario – @: Viewers section list view

Test Goal:

To verify whether Viewer users can successfully Filter the courses in the section list view menu.

Software or Equipment required

- Laptop.
- Internet

Quantitative Measurement:

- Time taken to log into the application.
- Time is taken to navigate the sections.
- Time taken to complete the scenario.
- Checking for any redundancy.

Scenario description:

In the usability testing session, participants are tasked to filter the courses in the viewer user section list view menu. They receive viewer login credentials from the administrator to access the app. After logging in, participants navigate to the section list view section and explore the list of courses available in the section. They select one filtering criterion from the options (course code, course name, building name, class days, or instructor name.) and apply the selected filter criterion by clicking on the filter button, and they verify whether the filtered courses are correctly displayed in the list view

Task List:

- Access the website.
- Click on the login
- Navigate to the “Section list view”
- filtering criterion from the options (course code, course name, building name, class days, or instructor name.)
- Click on filter button
- Verify the filtered course.
- Qualitative measurement list:
- Is it easy to navigate and log into the app.
- How many times has the application crashed.
- Is it easy to add the course to the calendar view

Qualitative measurement list:

- Is it easy to navigate and log into the app.
- type of errors encountered by participants while using the app
- ability to quickly understand how to use the app

Post-Scenario Interview and Questions:

- Do you like this application?
- Do you want to use this application again?
- Was it easy to perform the task?
- Were there any steps in the process that were confusing?
- How long did it take to complete the scenario?
- Did you face any issues or errors during the process?
- Was the user interface easy to understand?
- Would you recommend any suggestions to improve the process?
- Was it easy to navigate through the sections?
- Was it easy to filter the course?

Bug Report Form

Bug Number:

Bug description:

Steps to reproduce:

Testing Challenges

Challenge Number	Challenge Name	Description