



Usability Test Plan for Cor Jesu College Digital Repository

Test Plan Specification

Purpose

The purpose of this test is to determine the usability of Cor Jesu College Digital Repository

Problem statement / Test objectives

The purpose of this test is to determine whether the test user can effectively utilize the Cor Jesu College Digital Repository for various academic and research-related activities. We aim to assess whether a novice user can:

1. Search for a Specific Study/Resource
2. Download a Study/Resource
3. Filter all works by an Author
4. Filter Works by Department
5. Filter Works by year publication
6. Generate a PDF Summary of a Study

User profile

The test users must be currently enrolled college students at Cor Jesu College, regardless of whether they are taking their thesis or capstone projects, and must have basic technical skills to navigate a web-based platform for purposes such as academic research, general browsing, or resource contribution.

Methodology

For this particular test, the group must assign people to play the following roles:

Test monitor. This is the person responsible for administering the test. The test subject will only interact with the test monitor. The test subject will not interact with any other member of the group.

Data loggers. The data logger takes notes regarding the test subject's performance during the test and during the debriefing. These sections will be discussed in greater detail later. Data loggers will also have to take the role of timers.

Test Process

The test process is divided into five sections: (1) orientation, (2) gathering of background information, (3) testing and data collection, (4) post-testing, and (5) debriefing.

Orientation

The participant will be briefed following an orientation script (see **Script**). Feel free to add other orientation information that you think the test subjects will need.

Gathering of background information

As part of the orientation, the test monitor will interview the participant to gather some background information (see **Background Information Questionnaire**). The purpose of this is to establish what the user already knows about programming.

Testing and data collection

The test monitor should ensure that Cor Jesu College Digital Repository is already running and is active. Ask the participant sit in front of a computer, beside the test monitor.

Following the directions (see **Directions for the Participant**), the participant will create a mini game using Cor Jesu College Digital Repository. Using **Data Collection Instrument for Task Completion**, the observer will note:

1. How long it took for the participant to complete the task.
2. Whether the task was completed successfully / unsuccessfully.
3. Any problems or issues that arose.

Post-testing

After the participant completes all the tasks, s/he will be asked to answer the post-test questionnaire (see **Post-test**). The purpose of the post-test is to determine whether the software was indeed usable or not.

Debriefing

After the post-test, the participant will be interviewed following the debriefing questions (see **Debriefing Questions**). The purpose of this section is to gather qualitative data regarding the participant's experience. Once again, the participant will be encouraged to expound on his/her answers. The data logger will take down the participant's responses to the debriefing questions. You can ask additional questions.

At the end of the test, please remember to thank your test subject for his/her participation and give a token.

Reporting of results

The quantitative and qualitative data will be summarized and reported. Recommendations and suggestions for improvement will be made based on the findings of the test.

Cor Jesu College Digital Repository Test Script

Orientation

Good evening. My name is **Kent Llavado**, and my partner is **Cazandra Baluran**. We have asked you to participate in this test to help us evaluate the usability of a program called Cor Jesu College Digital Repository.

The Cor Jesu College Digital Repository is a platform designed to provide access to academic resources such as theses, research papers, and other scholarly materials. Your objective is to perform tasks related to utilizing the repository, such as searching for resources, filtering by author or department, and generating PDF summaries of studies.

We want to observe you while you perform these tasks. It would help if you could “think aloud” while working: let us know what step you are following and any difficulties you encounter. If you need help or would like any clarifications, please ask me.

Do you have any questions at this point?

Before we begin, I would like to ask you some questions that are relevant to our test. Please answer as candidly as possible.

<Give the Background Information Questionnaire now.>

<Make sure that website is already loaded.>

OK, now let's move on to the software. We want you to **perform a series of tasks on the Cor Jesu College Digital Repository**. These tasks include searching for resources, applying filters such as author or department, and generating a PDF summary of a study by using the "Print" feature. Please take your time to complete each task, and let us know if you encounter any difficulties or have any questions along the way

We've prepared some instructions for you to follow.

<Give Directions.>

The instructions should provide some guidance, however they are not very comprehensive, so feel free to ask questions as you go along.

We are giving you **10 minutes** to complete this task. If you don't finish, don't worry, it's not a problem at all. Do you have any questions, or can we begin??

<Answer the user's questions. Once he/she is ready to start, start the timer and the observations.>

OK, time is up. We'd now like to ask you to complete a short questionnaire.

<Give the questionnaire>

And we have a few additional questions to ask.

<Ask the debriefing questions and note the answers.>

Thank you for helping us out today! We appreciate your time!

Cor Jesu College Digital Repository Test

Background Information Questionnaire

TEST USER CODE NAME: _____

Age: _____

Gender: M / F

Highest Educational Attainment (check one):

- _____ Grade School
- _____ High School
- _____ College
- _____ Graduate degree

Do you regularly use a computer?

Y / N

If yes:

Please rate your computer proficiency:

- Not proficient _____
- Somewhat proficient _____
- Very proficient _____

Have you used the program Cor Jesu College Digital Repository or similar applications before? Y / N

How often do you use online academic resources (e.g., digital libraries, repositories, databases)?

- Never _____
- Occasionally _____
- Frequently _____

Do you primarily use a computer, tablet, or smartphone for academic tasks?

- Computer _____
- Tablet _____
- Smartphone _____

Have you ever uploaded or shared academic resources (e.g., research papers, theses) online? Y / N

What is the primary purpose you expect from using a digital repository (check all that apply)?

- ___ Searching for research materials
- ___ Accessing resources from specific departments or authors

☐ Downloading resources for offline use
☐ Other (please specify): _____

Do you feel comfortable using online platforms to complete academic tasks (e.g., searching, submitting work)?

Y / N

If yes, how would you describe your experience with using academic digital repositories or databases?

Beginner _____

Intermediate _____

Advanced _____

What feature would you find most useful in a digital repository? (e.g., search filters, user-friendly interface, document organization, etc.)

Is there anything else you would like to share about your experience with digital academic tools or repositories?

Please indicate your level of familiarity with the following terms by ticking the appropriate box.

Term	Not Familiar	Somewhat Familiar	Familiar	Very Familiar
Digital Repository				
Research Materials				
Academic Resources				
Search Filters				
Study Summary				
PDF Export				
Academic Search Engine				
Navigation Menu				
Downloadable Content				
User-Friendly Interface				

Directions for the Participant

Task 1: Search for a Specific Study/Resource

Your first task is to search for a specific study or resource within the Cor Jesu College Digital Repository. You may use keywords, titles, or any search criteria available in the repository. Once you find the resource, try to view its details and explore its contents.

Task 2: Download a Study/Resource

For the next task, find any study or resource that is available for download. Once located, download the resource to your device. Feel free to explore how the download works and if any options are available during this process.

Task 3: Filter All Works by an Author

Now, try filtering the repository's works by a specific author. Locate the filter options, apply the author filter, and check the list of works available by that author. Explore how the repository organizes resources by author.

Task 4: Filter Works by Department

In this task, filter the available resources by a specific department. You can choose any department available and view how the repository organizes resources by department. This will help you see how the repository categorizes different types of works.

Task 5: Filter Works by Year of Publication

Next, apply a filter to narrow down the works by a specific year or range of years. Try to explore how you can refine your search results based on the publication year of the resources.

Task 6: Generate a PDF Summary of a Study

Finally, locate a study and try to generate a PDF summary using the "Print" or "Generate Summary" feature available in the repository. Once generated, explore how the summary appears and whether there are any options to save or print it.

TEST USER CODE NAME: _____

Task Completion Data Collection Instrument

To the Data Logger: For each of the tasks indicated below, indicate the time it took for the participant to complete the task, the level of success, and any problems or issues that arose.

Task	Time (minutes)	Success?	Problem/Issues
Search for a Specific Study/Resource	Start time: End time:	<input type="checkbox"/> Successful, no assistance <input type="checkbox"/> Successful, with assistance <input type="checkbox"/> Partially successful, no assistance <input type="checkbox"/> Partially successful, with assistance <input type="checkbox"/> Failed / Gave up	
Download a Study/Resource	Start time: End time:	<input type="checkbox"/> Successful, no assistance <input type="checkbox"/> Successful, with assistance <input type="checkbox"/> Partially successful, no assistance <input type="checkbox"/> Partially successful, with assistance <input type="checkbox"/> Failed / Gave up	
Filter All Works by an Author	Start time: End time:	<input type="checkbox"/> Successful, no assistance <input type="checkbox"/> Successful, with assistance <input type="checkbox"/> Partially successful, no assistance <input type="checkbox"/> Partially successful, with assistance <input type="checkbox"/> Failed / Gave up	
Filter Works by Department	Start time: End time:	<input type="checkbox"/> Successful, no assistance	

		<input type="checkbox"/> Successful, with assistance <input type="checkbox"/> Partially successful, no assistance <input type="checkbox"/> Partially successful, with assistance <input type="checkbox"/> Failed / Gave up	
Filter Works by Year of Publication	Start time: End time:	<input type="checkbox"/> Successful, no assistance <input type="checkbox"/> Successful, with assistance <input type="checkbox"/> Partially successful, no assistance <input type="checkbox"/> Partially successful, with assistance <input type="checkbox"/> Failed / Gave up	
Generate a PDF Summary of a Study	Start time: End time:	<input type="checkbox"/> Successful, no assistance <input type="checkbox"/> Successful, with assistance <input type="checkbox"/> Partially successful, no assistance <input type="checkbox"/> Partially successful, with assistance <input type="checkbox"/> Failed / Gave up	

Post Test Questionnaire

Ask the participant to rate the usability using the following standardized questionnaires:
(choose depending on your objective)

System Usability Scale (SUS) Evaluation

Instructions: Please indicate the degree to which you agree or disagree with each statement by marking the appropriate column.

Statement	Strongly Disagree (1)	Disagree (2)	Neutral (3)	Agree (4)	Strongly Agree (5)
I would like to use this system frequently.					
I found the system unnecessarily complicated.					
The system was easy to navigate and use.					
I needed additional support to accomplish tasks.					
The features and functions of this system were well-organized.					
I noticed inconsistencies within the system.					
Most users would find this system easy to learn.					
The system was slow or cumbersome to use.					
I felt confident when using the system.					
The system required significant effort to understand.					

Debriefing Questions

Did you understand the task that you were supposed to perform? If not, explain.

Did you have some instinctive sense of what you were supposed to do? Explain.

At what points did you have problems with the task? What do you suppose caused these problems?

Overall, did you have a hard time or an easy time using Cor Jesu College Digital Repository Explain

Features/Functionalities Liked Most

Features/Functionalities Liked Least

Recommendations for Improvement