

ENGINEERING

SFWRENG 4HC3 6HC3 | COMPSCI 4HC3



Group Project Fall 2021

Assignment 2: Research Plan

Weight: 5%

Description:

Create research instruments to understand your target audience and analyze the results of your studies to create tasks, personas, and scenario descriptions to guide future design and development.

Requirements:

Part 1: Research Plan (25%)

Create an ideal research plan for gaining an understanding of your stakeholders, their needs, and their current technology. Consider the following:

- Who are the people that you would you speak to?
- How will you recruit them?
- Is there more than one important stakeholder group?
- Which research methods would you use? Explain your chosen methods.
- Would you use different instruments or methods for different stakeholder groups?

Part 2: Research Instruments I (25%)

From your ideal research plan, select at least TWO research techniques (e.g. questionnaire, semi-structured interview, or observation study) and create the research instruments that you plan to use for your ideal study. **Pilot test these instruments at the labs Oct 20 and Oct 22**

Note: If you choose observational studies, a common error on this step is to omit the research instrument for observational study. This does require a research instrument, not just a statement that you will conduct observations. Where/when/how will you do this observations? What are you looking for and noting? Who are you observing? What technique are you using? How will you keep records?

Part 3: Research Instruments II (50%)

Using the feedback and experience from the pilot testing, describe what parts of your research instruments you feel should be changed and why. Update your research instruments (and research plan if necessary).

Report

Your project report should contain the following:

1. Cover page with group member names
2. Your research plan
3. Your initial research instruments
4. A report about what you learned from pilot testing
5. Revised research instruments (& plan if you change it)

Due Date:

Due dates will be posted on Avenue

Submission:

Via Avenue

Grading

Assignments will be assessed on the following criteria:

- Timely submission
- Answering all the sections in the report
- The overall quality and submission of your work, including your research instruments
- The quality and originality of your proposal
- Grades may be deducted for assignments which are poorly written. Please check your spelling and grammar