

COMP 3603 Human Computer Interaction

Assignment 3: Analysis & Interpretation 20%

Group Size: 3-4 Persons

Objective:

After data collection in the previous assignment, the focus now is on presenting the findings, extracting insights, and modelling requirements using use case diagrams for the selected application.

Tasks:

1. **Restate Research Questions:**
 - Begin by revisiting and restating the research questions you set out to answer. This will frame your subsequent presentation of findings and insights.
2. **Presenting Findings with Visualizations:**
 - Organize the collected data and present key findings in a structured manner.
 - Utilize visual aids such as graphs, charts, and infographics to convey results effectively. This should clearly depict the data in relation to the research questions.
3. **Identify Insights:**
 - Analyze the visualized data to derive actionable insights, patterns, and trends. Clearly articulate the significance of each insight in relation to the research questions.
4. **Use Case Diagram:**
 - Using the insights derived from the data, draft a use case diagram for your chosen application. This should represent different users (actors) and the actions they might perform.
5. **Essential Use Cases:**
 - Detail the essential use cases derived from your use case diagram. For each use case, describe the system responsibilities for successfully facilitating the use case that meets the user needs.

Evaluation Criteria:

- **Quality of Findings Presentation:** How effectively are the results presented and visualized?
- **Depth and Relevance of Insights:** Are the insights significant, actionable, and well-explained?
- **Accuracy of Use Case Diagram:** Does the diagram accurately represent potential user interactions with the system?
- **Comprehensiveness of Essential Use Cases:** Are the use cases well-detailed and reflective of stakeholder needs?

Note:

Ensure that any participant's personal data is anonymized or removed to uphold privacy and ethical standards. Always seek consent before using data from participants in any public presentations or reports.

Rubric

Assessment Criteria	Excellent	Good	Needs Improvement
Quality of Findings Presentation (30%)	Data is thoroughly presented with effective visualizations aligned with research questions. (12-15 marks)	Good presentation of data with mostly effective visualizations. Some minor misalignments with research questions. (9-11 marks)	Data presentation is unclear, lacks structure, or visualizations are ineffective or irrelevant. (0-8 marks)
Depth and Relevance of Insights (30%)	Extracted insights are profound, actionable, and aligned with research questions. (12-15 marks)	Insights are relevant but might lack some depth or full alignment with research questions. (9-11 marks)	Insights are superficial, not actionable, or misaligned with the research questions. (0-8 marks)
Accuracy of Use Case Diagram (20%)	Use case diagram is precise, clear, and represents all potential user interactions with the system. (8-10 marks)	Use case diagram represents most user interactions, but may have minor inaccuracies or omissions. (6-7 marks)	Use case diagram is unclear, lacks key interactions, or is inaccurate. (0-5 marks)
Comprehensiveness of Essential Use Cases (20%)	All essential use cases are detailed, showing clear user's purpose and system responsibility. (8-10 marks)	Most essential use cases show user's purpose and system responsibility but may have minor gaps. (6-7 marks)	Essential use cases lack detail, missing user's purpose or system responsibility, or are not comprehensive. (0-5 marks)