**COMP68000001**

**Human Computer Interaction**

**FINAL PROJECT DESCRIPTION**

|  |  |
| --- | --- |
| GROUP WORK: | 3 Students |
| CONTRIBUTION: | 45% of the Final Mark  This includes two components, Design Project (15%) and Final Write-up of Project (30%) |

**Overview**:

In this project, students will apply their knowledge of HTML, CSS, and JavaScript to design and develop an interactive web application with a focus on user-cantered design principles. The project aims to provide students with hands-on experience in creating a functional and user-friendly web application while applying the principles of Human-Computer Interaction (HCI) learned during the course.

**Objectives**:

* Apply HCI principles and user research to design a user-centered web application.
* Develop a responsive web application that works seamlessly on various devices and screen sizes.
* Incorporate interactive features using JavaScript to enhance user engagement and interactivity.
* Demonstrate the ability to create and manage web content using HTML and CSS.

**Deliverables**:

* A fully functional web application that meets the specified requirements
* Comprehensive documentation of the web application, including design, development, and security decisions
* Repository Link
* Short Video Demo of the final App (6-8 minutes duration)
* A presentation or demo of the web application to the class

**Technical Requirements**:

* Use web technologies: HTML5, CSS3, JavaScript for FrontEnd WebApp.
* Apply user-centered design principles.
* Incorporate interactive features using JavaScript.
* Provide user manuals and technical documentation.
* Use version control (e.g., Git) for code management.
* Prepare a structured project presentation.
* Submit code and documentation by the deadline.

**Final Project Rubric:**

|  |  |  |
| --- | --- | --- |
| **Components** | **Criteria** | **Weight** |
| **Plan Initiation (M1)** | * Problems or cases descriptions * Topics selections * Forming group on time | 10% |
| **Formulate Proposal (M2+M3)** | * Problem analysis * Persona (target User), * Information Architecture, Task Flow and UseCase | 30% |
| **Progress Final Project** | * Final Mockup and Storyboard * Building Prototype (usage of Interactive Design Principles) * GitHub repository * Testing * Documentation (Inc. Videos) | 40% |
| **Presentation** | * The presentation is clear, concise, and interesting. * Ontime submission * Addressing Feedbacks | 20% |
|  | TOTAL | 100% |

**Note**: The grading rubric is subject to change based on the instructor's discretion and the course's specific requirements. The final grading rubric will be provided to the students at the beginning of the project.

**Project Phases**

This project will be divided into four progress phases.A team needs to be formed at least week 3, and please use this link to register <https://forms.office.com/r/cuq32gENmw> (individually)

* **Week 3: Initiate a Group, brainstorm Topics Ideas and alternatives (1st Progress)**
* **Week 6: Design Project (2nd Progress)**
* **Week 9: Progress (3rd. Progress)**
* **Week 12 (2 days before Presentation Schedule) (Final Progress)**
* **Week 13: Presentation and Demo (No Presentation without Final Progress submitted)**

**Q: How to submit for each milestone?**

**A: Upload through the submission form**

**w3:** [**https://forms.office.com/r/gzRFDD71LS**](https://forms.office.com/r/gzRFDD71LS)

**w6:** [**https://forms.office.com/r/Zsk9qqp7SF**](https://forms.office.com/r/Zsk9qqp7SF)

**w9:** [**https://forms.office.com/r/EYsgv6FMr7**](https://forms.office.com/r/EYsgv6FMr7)

**w12:** [**https://forms.office.com/r/EgGTUZXLY7**](https://forms.office.com/r/EgGTUZXLY7)

**Project Progress 1(Due Week 3):**

* For this stage you basically need to decide:
  + The group members, **max** of 3 students
  + Choose a cool name for your group and register yourself and your team through this form: <https://forms.office.com/r/cuq32gENmw> (individually)
  + Possible topics/problems
* Each group need to create a pdf document contain group name, members and possible topics/problems (There is No specific document formatting required)

**Project Progress 2 (Due Week 6 Forum closing):**

* For this stage you basically need to create a Design Project as a half-done project report.
* Information required (but not limited to):
  + Project name
  + Group name and members
  + 1. Problem analysis
  + 2. Persona (target User),
  + 3. Information Architecture, Task Flow and UseCase

**Project Progress 3 (Due Week 9 Forum closing):**

* Project progress is an improved version of your proposal.
* At this stage, you are expected to have more detailed prototype (semi working ok) with HTML, CSS, JavaScript. And plan of your evaluation method.
* Outline:
  + Project name
  + Group name and members
  + 1. Description of the Prototype
  + 2. Problem analysis
  + 3. Persona (target User),
  + 4. Information Architecture, Task Flow and Use Case
  + 5. Storyboards, mock-ups for multiple different designs for your solution
  + 6. Screen Shot of the Prototype and GitHub link (or with Live link)
  + 7. Plan of Usability Testing
  + References

**Final Project Progress (Due Week 12 – 2 days before the Presentation Schedule):**

* You must submit full report + Video (file) – 2 days before the presentation day
  + Full report (from – part 1. Description - to - part 7. Summary)
    - On Part 7 (change from plan to implementation):
      * Conduct informal Usability Testing with example target users
      * Characterize what’s working and what’s not
      * Summary evaluation result
  + **Video for your Solution demo (duration 4-6 min) ~ creative and engaging video about your Solutions**
* You will have 5 mins for presentation, 5 mins for demo and 5 mins for questions and answer.
* You also need to write the answer for my questions in your project report (add a last part after references).
* All links information needs to be included into the report and GitHub description.

**Project Presentation and Demo: Week 13**

* You will have 5 mins for the presentation, 5 mins for the demo, and 5 mins for questions and answer. You also need to include the answer to lecturer questions in your project report.
* List of team for FP presentation will be published a day before a presentation schedule .
* Only group with final progress submission completed allow to do presentation.
* The presentation day might be conducted only one day for all groups.

**Note**:

* Team with incomplete required submission in week 12 **WILL NOT** be scheduled for Final Project Presentation
* Make sure all the links and files are accessible for the public (**Video’s file is not in YouTube**)
* Submit a group-**written** project progress **report** in **PDF format only.**
* The **code prototype** should be uploaded into **GitHub** and set into public.
* **readme** file is a **must** for *Project Description* information.
* One Group only need to have One GitHub repo for the Project.
* Make sure that all group members participate actively in the project. Please report to the lecturer if any member does not do so.
* Students will explain and demo their project prototype, so you also need to prepare a slide for the presentation day.

**General format Outline for project Final Report:**

1. **Project name**
2. **Group name and members**
3. **Ch 1. Description of the Prototype**
4. **Ch 2. Problem analysis**
5. **Ch 3. Persona (target User),**
6. **Ch 4. Information Architecture, Task Flow and UseCase**
7. **Ch 5. Storyboards, mock-ups for multiple different designs for your solution**
8. **Ch 6. Screen Shot of the Prototype and GitHub link (or with Live link)**
9. **Ch 7. Plan of Usability Testing**
10. **References**
11. Appendix

**Note**: This format outline may vary based on the specific requirements of the project for the documentation. It is important to ensure that the documentation is clear, concise, and easy to understand for all readers.

**Link to Submit Project Phases**

* form for submissions: <https://forms.office.com/r/EgGTUZXLY7> (Late submission will NOT tolerate with any reasons)

**Invitation for publish HKI (registered under BINUS standard)**

* Requirement submitted 1 week after presentation day – Adding score with minimal score 90 for Assignment **OR** Quiz\*
* You need to have my recommendation (invitation on the end of FP presentation) from me to submit HKI
* Requirements
  + Working FP apps
  + My recommendation (you will get an email after the Final Project presentation)
  + Documentations in Bahasa Indonesia
  + Filling Form requirement (copyright transfer to BINUS) together with me
  + FE still needs to be submitted on the FE Day schedule

Note: \* The granted score will be assigned to the minimal component

Missing information will be discussed during the class!

-Good Luck-