PROJECT ASSIGNMENT 2 (PA2)

*FIT-HCMUS - CSC13112 - UI/UX Design - Dr. Le Khanh Duy*

**Deadline:** **3 weeks**. Please check the submission link on Moodle.

**Total points: 100/500**

This is a teamwork assignment.

# PA Schedule

| **PA** | **PA (500, subject to change later)** |
| --- | --- |
| PA1 | 75  Product Research  Potential Solutions |
| ***PA2*** | ***100***  ***User Research, Vision Document***  ***Use Case Spec*** |
| PA3 | 150  Paper Prototype (2 scenario \* 3 alternatives)  Informal testing  Points for improvements |
| PA4 | 175  Hi-fi Prototype  Summative user study  Presentation / Demo |

# Objectives

In this PA, students are asked to perform user research and user analysis, draw use case diagrams and write the use case specifications.

# Requirements

## Requirement 1: User Research & Analysis

Keep going with the topics that groups have chosen in PA1.

Use one or more of the following methods (interview, observation, try it yourself) to understand your users & gather information about their context, environment, goals, tasks, capabilities, tools, constraints, strengths, weaknesses, limitations and problems. In this phase, you have to report your user research techniques, the process of user research (e.g. interview or observation with how many users? How long did each interview/observation session take? How did you record data from user research sessions) understandings of users which your team gathered, and Personas – fictional characters your team create based upon your research to represent the different user types, work models (Flow model, Sequence model, Artifact model, etc). Think about reporting insights, findings from user research with images, or photos proving observed users’ interesting behaviors to make the report convincing.

## Requirement 2: User Analysis

Perform brainstorming within your group to identify user problems, generate all potential solution ideas and create an affinity diagram of the identified problems and generated ideas (using sticky notes or digital tools like Miro (www.miro.com ), Figma or any tool of your choice).

## Requirement 3: Proposal

Based on the user research results, provide the initial concepts of your design solution to solve user problems.

* What problems/pain points of users does your team want to solve? Try to pick the most severe problems which were not sufficiently solved by existing solutions in the market. ***Remember: you do not need to solve many problems, you’re better to pick only a few “tough problems” to solve.***
* What is the overall concept of your solution? (E.g., your solution is a smartphone app, a tablet app, a smartwatch app, a web page, a kiosk computer or in which form? Conceptually how would users use or interact with your solution to tackle the identified problems?
* For each problem, try to propose 2 to 3 conceptual solutions which significantly differ from each other.

## Requirement 4: Use Case Specification

For each conceptual solution proposed, draw a use case diagram (or flow model) to show actors, artifacts (system, objects, interface…) involved and their interactions with the artifacts.

For each use case, write down the use case specification.

## Requirement 5: Peer Review

Groups are required to present their work during lecture sessions, within a 5 to 10-minute timeframe.

After the presentation, lecturers and other group members will provide feedback.

Groups must document the feedback and questions in a report, including the name of the commenter, the feedback or question, and the group's responses.

They will then have several days to revise the project requirements before submitting the final version on Moodle.

## Requirement 6: Weekly Report

Groups must track each member’s tasks using the provided weekly report template.

Link: <https://drive.google.com/file/d/10Si9z3s-rjtn4oaoz8HMkQP1as7iSPVH/view?usp=sharing>

# Grading Scheme

* Requirement 1: User Research (25%)
* Requirement 2: User Analysis (25%)
* Requirement 3: Proposal (20%)
* Requirement 4: Use Case Specification (20%)
* Requirement 5: Peer Review (5%)
* Requirement 6: Weekly Report (5%)

# Documents to be submitted

* Requirement 1: GroupID-PA2-UserResearch.pdf
* Requirement 2: GroupID-PA2-UserAnalysis.pdf
* Requirement 3: GroupID-PA2-ProjectProposal.pdf
* Requirement 4: GroupID-PA2-UseCaseDocument.pdf
* Requirement 5: GroupID-PA2-PeerReview.pdf
* Requirement 6: GroupID-PA2-WeeklyReport.pdf

Submission name: **GroupID-PA2.zip**