

Software Design

Progress Report No. 1

Design Reviews

Submitted by:

Caasi, Karl Benedict
Mamanao, Kurt Marwin M.
Monoy, Justin Rhey
Poliño, Justine
Ramos, Jan Lawrence M.
Vasig, Yuan Hessed
Uy, Junichiro H.

Instructor:

Engr. Maria Rizette H. Sayo

November 29, 2025

I. Objectives

- To assign different project positions and responsibilities to group members.
- To Identify and contact possible clients for the mental-health website/app.
- To brainstorm and select the core features and technical approach for the project.

II. Methods

1. Team organization

- Convene initial meeting to agree roles and responsibilities.
- Create role descriptions and map members to roles.
- Record signatures/acknowledgement of responsibilities.

2. Client discovery

- Brainstorm potential client types (university counseling centers, NGO mental-health projects, private clinics, student orgs).
- Draft a short project pitch and capability summary to send to potential clients.
- Assign a member (Business Analyst) to research client needs and market fit.

3. Idea generation & requirements

- Run a structured brainstorming session (use affinity mapping or dot-voting to prioritize features).
- Produce an initial feature list and user stories (e.g., mood check-ins, emergency contact, resources, appointment booking).
- Select the first technical stack for prototyping (proposed: Flutter for cross-platform mobile + Firebase backend — adjust if team prefers web-first).

4. Planning & prototyping

- Produce a simple timeline and milestones: (a) Requirements, (b) Low-fi UI mockups, (c) Core feature prototype, (d) Testing, (e) Client demo.
- Use version control (Git) and collaborative boards (Trello / GitHub Projects / Notion) to track tasks.

5. Validation

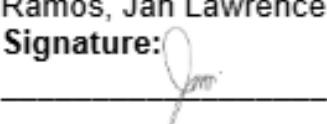
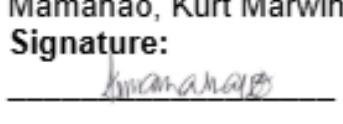
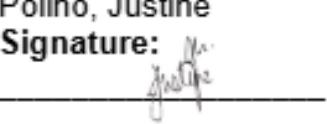
- Prepare a short user questionnaire/survey for potential clients/users (to validate feature priorities).
- Schedule an initial meeting/demo with at least one shortlisted client.
-

III. Results

Group Angel is composed of seven members, each assigned to a specific role to ensure an organized and efficient project workflow. The team divided responsibilities according to individual strengths and technical skills. The Project Owner leads the team's direction and major decisions, while the Business Analyst studies the project's marketability and user needs. Project Documentation ensures that all technical and written outputs are complete and consistent.

The Front-End and Back-End Software Engineers manage the development of the system's interface and server-side functions, while the Tester validates the system's performance and identifies issues before deployment. This distribution of roles allows the team to collaborate effectively, maintain clear task ownership, and work systematically toward the completion of the mental health application.

Group Mitochondria:

Project Manager	Business Analyst	Project Documentation
Person Assigned: Ramos, Jan Lawrence M.	Person Assigned: Mamanao, Kurt Marwin M.	Person Assigned: Poliño, Justine
Responsibility: <ul style="list-style-type: none">• Oversees planning, organizing, and ensuring the project stays within time, budget, and scope.• Coordinates team workflow and milestones.• Manages decision-making and prioritization.	Responsibility: <ul style="list-style-type: none">• Conducts research to analyze marketability and user needs.• Helps define the system's requirements.• Identifies strengths, limitations, and opportunities of the project.	Responsibility: <ul style="list-style-type: none">• Prepares technical documents and report outputs.• Ensures all required documentation is complete and consistent.• Helps maintain project records and versions.
Skills: <ul style="list-style-type: none">• Very knowledgeable regarding the project.• Best at communication or able to convey the importance of the project.• Must be committed to the project, team, business, and the vision.	Skills: <ul style="list-style-type: none">• Good at finding research to back up the strengths and loopholes of the system.• Analyzation• Communication	Skills: <ul style="list-style-type: none">• Documentation writing• Attention to detail• Organization and workflow tracking
Name: Ramos, Jan Lawrence M. Signature: 	Name: Mamanao, Kurt Marwin M. Signature: 	Name: Poliño, Justine Signature: 

Front-End Software Engineer	Back-End Software Engineer	Tester
Person Assigned: Uy, Junichiro H.	Person Assigned: Vasig, Yuan Hessed	Person Assigned: Monoy, Justin Rhey
Responsibility: <ul style="list-style-type: none"> Prepare a good and appropriate UI and UX. It is also responsible for implementing visual elements that users see and interact with in a web or mobile application 	Responsibility: <ul style="list-style-type: none"> Mainly focuses on developing the business logic and data layers, and also responsible for the server side of the mobile application 	Responsibility: <ul style="list-style-type: none"> Conducts Manual Tests to verify system integrity, in contrast to how end-users will utilize the final product
Skills: <ul style="list-style-type: none"> Knowledgeable in using front-end software Can establish a <u>appropriate</u> element in an application 	Skills: <ul style="list-style-type: none"> Proficient knowledge in Flutter Development Ability to implement Firebase Database Experience with version control such as Git Ability to manage a hosting environment 	Skills: <ul style="list-style-type: none"> Good at proposing alternative routes in addressing errors Analyzation of bugs and provide insight Can create detailed reports from results of test
Name: Uy, Junichiro H. Signature: 	Name: Vasig, Yuan Hessed Signature: 	Name: Monoy, Justin Rhey Signature: 

Support / Project Documentation Asistant
Person Assigned: Caasi, Karl Benedict
Responsibility: <ul style="list-style-type: none"> Assists in content research and conceptual development. Supports documentation and design tasks as needed.
Skills: <ul style="list-style-type: none"> Research Idea generation Collaboration
Name: Caasi, Karl Benedict Signature: 

IV. Conclusion

The progress achieved by Group Angel demonstrates a well structured and organized start to the development of the mental-health website/application. Through clear role assignments, systematic client discovery, and collaborative idea generation, the team has established a solid foundation for the project. The use of structured methods, such as feature prioritization, requirement gathering, and early prototyping, ensures that the project direction aligns with both user needs and technical feasibility.

By coordinating effectively across roles and maintaining consistent communication, the team is now equipped to move forward with focused development and client validation. Overall, the group's early efforts provide a strong groundwork for producing a functional, user-centered mental-health platform in the next phases of the project.

References

- [1] Co Arthur O.. “University of Caloocan City Computer Engineering Department Honor Code,” UCC-CpE Departmental Policies, 2020.