Douglas College

Module Code:

CSIS 4495 – 071

Module Title:

Applied Research Project

Year & Semester:

2025 Fall

Project Reports -3

Alternative Industries: Weather Driver

Student Id: 300392983 Student

Name: Pukar Ojha

Instructor: Bambang, Sarif

Due Date: Oct 25th, 2025

Date	Number of hours	Description of work done
Oct 13, 2025	4	Guided team members on the researched docs on AWS implementation, introduced provided tutorial videos, and assisted in setting up individual AWS accounts.
Oct 15, 2025	3	Attended a 3-hour Google Meet session with group members to discuss the project plan, implementation strategies, and work division for the midterm report, following the professor's documentation guidelines.
Oct 18, 2025	5	Met with the client to present completed work and clarify discrepancies between the Figma screens and the intended flow. Collaborated with the team to review implementation progress, address backlogs, and plan future tasks. Fixed coding errors and bugs on Pravesh's device that's preventing from launching the application and fixed the Pravesh branch from github.
Oct 21, 2025	4	Worked on midterm documentation— explained implemented features, listed assumptions, and outlined sprint changes and improvements.
Oct 22, 2025	5	Continued midterm documentation by completing the appendix section. Added the implementation guide, user guide, API details, system architecture overview, and code explanations.
Oct 23, 2025	3	Implemented Google Maps using the key provided by the professor. Researched the official Google Maps documentation to ensure correct and efficient integration. *(Reference:* Google Maps Documentation*)*

| Oct 24, 2025 | 4 | Resolved Expo-related bugs caused by the Maps package that disrupted rendering on mobile devices.

Researched solutions on Google and Stack Overflow, ultimately resolving the issue by reverting to the stable version. |
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| Oct 25, 2025 | 5 | Met with the professor to present the midterm demo and discuss individual progress, reflections, and project limitations.

Compiled and formatted work logs (Oct 13–25), finalized midterm documentation, and collaborated with the team to fix final errors before submission. |

Summary of Work Performed

Between October 13 and October 25, 2025, I played a key role in both the technical development and documentation preparation of the project. My initial focus was on team coordination and environment setup, where I guided my teammates through the AWS implementation process and helped them configure their accounts properly to ensure consistent deployment capabilities.

As the project progressed, I actively participated in several collaborative meetings to plan and divide the workload based on each member's strengths. These sessions were essential in setting a clear direction for the midterm report and ensuring alignment with the professor's provided documentation structure. I also engaged in client communication, presenting the completed work and seeking clarification on differences between the Figma design and the expected flow, ensuring the product remained true to client requirements.

From a technical standpoint, I contributed significantly to bug fixing and feature implementation, particularly addressing issues within the Expo framework that prevented successful builds. Through research and troubleshooting, I managed to restore functionality and ensure a stable application environment. I also worked on integrating Google Maps into the project, studying the official documentation to understand best practices and implementing the feature using the API key provided by the professor.

In parallel, I made extensive contributions to the project's midterm documentation, where I detailed implemented features, system architecture, APIs used, and provided both user and

implementation guides. My focus was on making the documentation comprehensive, structured, and easily understandable for both technical and non-technical readers.

Towards the end of the period, I helped the team prepare for and deliver the midterm demo, presenting the collective progress and reflecting on our challenges and learning outcomes. I finalized the documentation, formatted the submission materials, and ensured all errors were resolved before submission.

Overall, this period was highly productive and collaborative. It strengthened my skills in project coordination, client communication, technical debugging, documentation writing, and feature integration, all of which contributed to the successful delivery of the midterm milestone.