Douglas College

Module Code:

CSIS 4495 – 071

Module Title:

Progress Report 4

Year & Semester:

2025 Fall

Alternative Industries: Weather Driver

Student ID	Student Name
300391004	Chetan Kaur

Instructor: Bambang, Sarif

Work Logs

Chetan Kaur

Date	Number of Hours	Description of Work Done
Oct 27, 2025	3	Developed the frontend UI screens for the Notification settings section. Focused on implementing the Phone Notification controls, allowing users to toggle and manage notification preferences directly from the settings interface. Ensured UI consistency with the existing app theme.
Oct 28, 2025	3	Designed and implemented the Email Notification settings screen. Built components to allow users to enable or disable email-based alerts. Ensured smooth navigation and UI alignment with the previously developed phone notification screen.
Oct 29, 2025	2	Performed functional testing on both Phone and Email notification screens using dummy test data. Integrated the tab-switching functionality so users can seamlessly navigate between Phone and Email notification settings within the same module.
Nov 1, 2025	1	Committed and pushed the completed Notification screens along with minor improvements to the speedometer UI. Verified that all frontend changes compiled correctly. Commit: 7e467aceb0190fdcdd178762754cf979e0447547
Nov 3, 2025	2	Started development of the Toll Passes screen. Created the initial layout structure and planned the component hierarchy for smooth integration with existing features.
Nov 5, 2025	2	Completed the UI development of the Toll Passes screen. Conducted testing with dummy toll pass data to validate layout, responsiveness, and data rendering.
Nov 6, 2025	1	Added a dummy notification popup for the "+" button within the Toll Passes screen, to simulate the confirmation flow and improve user experience.

Nov 8, 2025	1	Participated in a client meeting to provide a demo of Notification screens, Map Navigation, and discussed the upcoming Alerts workflow. Gathered feedback and aligned next steps based on the client's expectations.
Nov 8, 2025	1	Fixed UI layout issues in the Toll Passes screen based on feedback. Pushed the updated changes to the branch after verifying the UI alignment. Commit: cdc8e84506a6ffddd512b925043087a654dc1849

Description of Work Done

This week, I worked on completing the frontend development of the Notification Settings and Toll Passes sections. I developed both the Phone Notification and Email Notification screens, integrated smooth tab-switching functionality, and tested them with dummy data to ensure correct behavior. I completed the Toll Passes screen layout, added interaction features, and implemented a dummy confirmation popup for the add button to simulate the user experience.

As a team, we encountered issues with the Google API integration, as the API configuration provided to us had errors and the Cognito account was not fully set up. Because of these limitations, we could not proceed with the full authentication flow during the week. During our client meeting, we discussed this challenge and demonstrated the completed Notification screens and Map Navigation. The client clarified that, moving forward, they only require Google Sign-In (not Apple and Facebook) for authentication instead of multiple methods. This helped us realign our development priorities based on their updated expectations. I also fixed layout alignment issues in the Toll Passes UI before pushing the updated changes.

Repo Check-in Implementation

The implementation work I have checked into the repository includes the developed Notification Settings screens (Phone and Email), the integrated tab-switching functionality, and updated UI enhancements for the speedometer component. I also checked in the completed Toll Passes screen, including layout fixes and the dummy notification popup for the add-button flow. The files and changes pushed to my branch include notification UI screens, Toll Passes UI updates, and associated component styling. The commits checked in since the last progress update include:

Commit: `7e467aceb0190fdcdd178762754cf979e0447547` – Notification screens and speedometer changes

Commit: `cdc8e84506a6ffddd512b925043087a654dc1849` – Toll Passes layout fixes and updates