

## Progress Report 2

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**Project Name: F2025\_4495\_071\_CKa004 (Weather Driver)**

### Work Log Table

Date	Number of hours	Description of work done
<i>Sept 30, 2025</i>	1.5	Had a meeting with the client and discussed the completed screen. Took Feedback from them and started working on those.
<i>Oct 4, 2025</i>	3	Worked on Validation on the signup and login screens with Pukar and Chetan. Moreover, there were some design changes conducted.
<i>Oct 5, 2025</i>	2	Collaborated with Chetan to refine the Map Screen layout, worked on the home screen component Structure and navigation.
<i>Oct 6, 2025</i>	3.5	Client provided the video of AWS Amplify in YouTube. I went through that video and learn about AWS. Analyzed Figma screenshots for settings screens and planned implementation approach. Reviewed existing settings structure and identified navigation flow requirements.
<i>Oct 7, 2025</i>	4	Developed comprehensive Settings Menu Screen (SettingsMenuScreen.js) with three sections: Settings (General, Map display, Voice and Sound), Notifications (Phone, Email), and Driving Preferences. Implemented navigation flow from both the bottom tab bar and profile modal.
<i>Oct8, 2025</i>	3	Integrated settings screen with navigation stack, updated App.js routing, and tested navigation paths. Removed deprecated settings component

		and cleaned up unused imports. Committed changes to pravesh-updates branch.
<i>Oct9, 2025</i>	4	Started building Gas Station screens. Created the main Gas Station Settings screen with preferred gas type selector, brand picker, and sort options. Implemented modal components for gas type selection with smooth animations.
<i>Oct 10, 2025</i>	4	Developed Preferred Brand Selection screen with search functionality supporting 70+ gas station chains, including Shell, Exxon, BP, Chevron, and others. Implemented live filtering and integrated navigation back to the main gas station screen with selected brand state management.
<i>Oct 11, 2025</i>	4	<p>Finalized gas station feature set including Sort By modal with Price, Distance, and Brand options. Refined UI styling to match Figma specifications. Committed all gas station screens to GitHub with detailed commit messages describing functionality.</p> <p>Also, conducted a meeting with the client and went through their new Figma changes. Asked and cleared out doubts and notified them about the progress to date.</p>

## **Description of Work Done:**

During this period, I focused on implementing critical settings and gas station management features for the Weather Driver application based on the Figma design specifications.

### **Settings Implementation:**

I designed and developed a comprehensive Settings Menu Screen that organizes settings into three logical sections matching the Figma layout. The screen includes proper navigation headers with back and close buttons, section dividers, and menu items with appropriate icons and chevron indicators. I integrated this new settings interface with both the bottom tab navigation and the profile modal menu, ensuring a seamless user experience from multiple entry points. The old basic settings screen was deprecated and removed to maintain code cleanliness.

### **Gas Station Features:**

I built a complete gas station preferences system consisting of multiple interconnected screens. The main Gas Station Settings screen allows users to select their preferred gas type (Regular, Midgrade, Premium, Diesel, Flex-fuel, Biodiesel) through a modal interface with smooth slide-up animations. I implemented a Preferred Brand Selection screen featuring a searchable list of over 70 gas station brands with real-time filtering capabilities. The Sort By functionality offers three sorting options (Price, Distance, Brand) with visual checkboxes and default indicators.

### **Technical Achievements:**

Throughout this work, I maintained proper state management using React hooks, implemented route parameter passing for cross-screen data persistence, and ensured all modals display correctly with appropriate heights and styling. I resolved several technical challenges, including modal overlay positioning and state synchronization between nested navigation screens. All code was committed to the praveesh-updates branch with clear, professional commit messages that describe the implemented functionality.