# Product Backlog

## Project Overview

- **Project:** Wheels On Go (Valet Platform)
- **Timeline:** 9 Weeks (Jan 18 – Mar 21, 2026)

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## Phase 1: Design, Architecture & Prototyping

Dates: January 18 – February 7, 2026

Focus: Establishing the visual foundation, database structure, and user entry points.

### Week 1: Jan 18 – Jan 24

- **Goal:** High-Fidelity Prototyping & System Architecture
- **Backlog Items:**
    - **UI/UX Design:** Create high-fidelity Figma screens for the User App, Driver App, and Admin Panel. Focus on the "Home Dashboard" and "Safety Feature" screens.
    - **Functional Design Document (FDD):** Draft the initial FDD outlining system behavior and feature logic.
    - **Environment Setup:** Initialize the development environment and repositories.

### Week 2: Jan 25 – Jan 31

- **Goal:** Database Schema & Compliance

- **Backlog Items:**
    - **Database Engineering:** Finalize schema for User Profiles, Driver Credentials, Vehicle Details, and Transaction History.
    - **Data Privacy Setup:** Implement "Data Protection Standards" and privacy compliance protocols in the architecture.
    - **Design Sign-off:** Final review and approval of UI/UX prototypes.

### Week 3: Feb 1 – Feb 7

- **Goal:** User Onboarding & Authentication
- **Backlog Items:**
    - **Authentication Service:** Develop secure login/registration via Email and Mobile Number.
    - **OTP Integration:** Implement SMS OTP authentication logic.
    - **Driver Onboarding Flow:** Create the upload interface for licenses and government IDs (Driver Verification System).
    - **Milestone:** Phase 1 Deliverables Complete.

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## Phase 2: Core Development & AI Integration

Dates: February 8 – February 28, 2026

Focus: Building the "brain" of the application (booking, tracking, and AI safety).

### Week 4: Feb 8 – Feb 14

- **Goal:** Smart Booking & Dispatch Engine

- **Backlog Items:**
    - **Booking Logic:** Develop "Find a Driver" (instant) and "Schedule a Trip" (date/time) functionality.
    - **Pricing Algorithm:** Implement the **Dynamic Pricing Algorithm** to calculate fares based on time, peak demand, and distance.
    - **Dispatch System:** Build the logic to match available drivers with ride requests.

### Week 5: Feb 15 – Feb 21

- **Goal:** Tracking & Navigation
- **Backlog Items:**
    - **Map Integration:** Integrate Google Maps API (or similar) for the Home Dashboard.
    - **Live Tracking:** Enable real-time GPS monitoring of driver location.
    - **Route Optimization:** Implement turn-by-turn navigation and ETA calculation.
    - **Geofencing:** Set up geofencing for accurate pickup and drop-off point validation.

### Week 6: Feb 22 – Feb 28

- **Goal:** Advanced Safety Suite
- **Backlog Items:**
    - **Biometric Security:** Integrate facial recognition to cross-check driver identity against profile photos.
    - **AI Fatigue Detection:** Implement the monitoring system to detect driver drowsiness/fatigue.

- **Emergency Features:** Develop the In-app SOS button (police/hospital connection) and Ride Sharing (share live location) features.
- **Milestone:** Phase 2 Deliverables Complete.

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## Phase 3: Admin, QA & Deployment

Dates: March 1 – March 21, 2026

Focus: Management tools, financial integration, and finalizing the product for handover.

### Week 7: Mar 1 – Mar 7

- **Goal:** Admin Dashboard & Analytics
- **Backlog Items:**
  - **Admin Portal:** Develop the web portal for managing bookings and user/driver accounts.
  - **Verification Workflow:** Build the admin interface for verifying driver documents uploaded in Phase 1.
  - **Analytics:** Implement reporting tools for system usage and incident tracking.

### Week 8: Mar 8 – Mar 14

- **Goal:** Financial Module & Communication
- **Backlog Items:**
  - **Payment Gateway:** Integrate GCash and Credit/Debit card processing.
  - **Driver Earnings:** Create the dashboard for drivers to view daily/weekly earnings.
  - **Subscription Module:** Develop the interface for users to manage

plans/subscriptions.

- **In-App Comm:** Implement secure chat/call support that masks personal numbers.

### Week 9: Mar 15 – Mar 21

- **Goal:** Testing, Hardening & Handover
- **Backlog Items:**
  - **BLOWBAGETS Checklist:** Implement the digital vehicle safety checklist logic.
  - **QA Testing:** Conduct Usability Testing, Regression Testing, and Security Checks.
  - **Deployment:** Compile the final APK.
  - **Handover:** Transfer source code and user manuals to the client.
  - **Milestone:** Project Completion.

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