



College of Engineering
Software Engineering Department
Software Configuration Management
Title: Intelligent parking management system
section: C

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Submitted to: Inst. Yimer Amedi
Submission Date: Dec 30, 2025

Intelligent Parking Management System (IPMS)

Change Request Form (CR)

Change Request Identification

Field	Details
Change Request IDs	CR-01, CR-02, CR-03
Date Submitted	December 24, 2025
Submitted By	Hilina Fiseha – Developer
Approved By	Meron Kassahun – SCM Coordinator
Status	Approved
Priority	Medium
Change Type	Perfective / Adaptive

Description of Requested Changes

CR-01: Log Out Functionality

- **Description:** Add a “Log Out” button to the system dashboard.
- **Reason:** Improve user experience based on user feedback.
- **Affected CI:** Dashboard UI (HTML / JS)
- **Result:** Users can safely exit the system session.

CR-02: Parking Fee Calculation

- **Description:** Implement parking fee calculation logic based on vehicle type.
- **Reason:** Requested by stakeholder to support billing functionality.
- **Affected CI:** Parking logic module
- **Fee Rules:**
 - Car → \$10

- Van → \$15
 - Truck → \$25
 - Result: The system displays the estimated parking fee during booking.
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CR-03: UI Background Color Update

- **Description:** Update the system background color to Light Blue.
- **Reason:** Requested by UI team for better visibility.
- **Affected CI:** UI stylesheet (CSS)
- **Result:** Improved readability and visual consistency.

Impact Analysis

Area	Impact
Technical Impact	Minor updates to UI and logic modules
Schedule Impact	No schedule delay
Risk Impact	Low risk
Documentation Impact	UI and release notes updated

Implementation Details

CR ID	Implemented In	Version
CR-01	dashboard.html / JS	v1.1
CR-02	parking.js	v1.1
CR-03	style.css	v1.1

- Changes implemented in controlled Git branches
- Merged after review and approval
- Fully traceable via Git history

Verification & Closure

Item	Status
Functional Verification	PASS
Configuration Audit	PASS
Closure Date	December 20, 2025
Verified By	QA Auditor

Final Approval

Prepared by: Hilina Fiseha – Developer

Approved by: Meron Kassahun – SCM Coordinator

Final Status: Closed and Included in Release v1.1