



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

<b>Area</b>	<b>Impact</b>
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

<b>CR ID</b>	<b>Implemented In</b>	<b>Version</b>
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