Sprint 4 – Change Log

Course: CS 5388 / CS 4390 – Software Project Management **Team:** 1 **Project:** Damn Parking **Sprint:** 4

CH-01: Camera Coverage Target

- **Change:** Established a 90% camera coverage target for monitored parking lots.
- **Reason:** Ensure sufficient parking spot visibility.
- **Impact:** Defines a measurable coverage requirement.

CH-02: Parking Availability Accuracy

- **Change:** Established a minimum 90% parking availability accuracy target.
- **Reason:** Provide reliable information to drivers.
- **Impact:** Requires regular validation against manual counts.

CH-03: Data Freshness Requirement

- **Change:** Defined a target of updates under 2 minutes for 95% of the day.
- **Reason:** Prevent users from relying on outdated information.
- **Impact:** Introduces a monitoring requirement for each parking lot.

CH-04: Stale-Data Warnings

- **Change:** Added a policy to display stale-data warnings when accuracy or freshness targets are missed.
- **Reason:** Inform drivers when parking information may be unreliable.
- **Impact:** Adds a potential user interface requirement.

CH-05: Issue Severity Classification

- **Change:** Defined three severity levels for system issues.
- **Reason:** Improve issue prioritization and response times.
- **Impact:** Establishes procedures for reporting and resolving problems.

CH-06: Parking Lot Onboarding Estimate

- **Change:** Identified additional estimation needs for parking lot onboarding.
- **Reason:** Onboarding effort was not included in the original 538-hour estimate.
- **Impact:** May require updating the project schedule and budget.

Change Log Summary

During Sprint 4, our team improved the project's quality management approach by defining measurable performance requirements and procedures for handling system issues. These changes will help us evaluate system reliability, prioritize technical problems, and manage project resources