



CEBU INSTITUTE OF TECHNOLOGY
UNIVERSITY

IT317-G1 PROJECT MANAGEMENT

LESSON LEARNED REPORT

Project Title: ParkIT!: Car Parking Management System

Prepared By: Ruther Gerard Ramirez/ ParkIT!: Car Parking Management System / Product Owner

Sprint Duration: 2

Sprint Duration: 10/06/2025 - 10/19/2025

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Table of Contents

1. Introduction
2. Project Overview
3. What Went Well
4. What Didn't Go Well
5. Recommendations
6. Action Items
7. Team
8. Approval Sign-off

1. Introduction

The purpose of this document is to capture lessons learned from Sprint 2, which focused on establishing the secure **User Management foundation** for ParkIT!. The sprint successfully delivered all authentication, registration, and administrative CRUD features. This report highlights key successes and areas for process improvement moving forward.

2. Project Overview

The main objective of Sprint 2 was to implement secure login, logout, and self-registration flows, alongside the Admin 'Manage Users' functionality. The team committed to **37 Story Points** and successfully delivered **100% of the committed work**. A major achievement was the completion of the sprint with **zero reported bugs** and **zero carryover stories**, setting a strong quality baseline for the entire system.

3. What Went Well

- Perfect Velocity & Quality: The team achieved a perfect velocity of 37/37 Story Points and completed the sprint with zero bugs. This validates the accuracy of our story point estimation and the rigor of the team's combined development and testing process.
- Secure Validation Success: The implementation of complex backend validation for the School ID format and uniqueness was executed flawlessly, providing a robust, secure layer from the start.
- Collaboration on Requirements: The Business Analyst's early finalization of all validation and role-management requirements prevented confusion and minimized rework for the developers.
- High Test Coverage: Comprehensive test cases were written and executed for all authentication and registration paths, resulting in an estimated 90% test coverage for the core security features.

4. What Didn't Go Well

- Minor UI Style Conflicts: Early in the sprint, developers experienced minor delays when merging Django templates for the 'Manage Users' page due to inconsistent Tailwind class usage and styling conventions. While these were quickly resolved through pairing, they consumed unnecessary time.
- Underestimated Security Complexity (Early Assessment): Although the 'Edit User Details' functionality was ultimately completed successfully, the initial estimation did not fully account for the complex Django permission checks and custom decorators required for role modification. We must ensure complex admin features are thoroughly scoped during planning.

5. Recommendations

- Mandate UI Style Guide Adoption: To eliminate front-end merge conflicts, we should formalize and mandate adherence to a simple component/style guide before starting work on new UI heavy features. Integrate
- Early Security Review: For features involving sensitive or administrative privileges, the Lead Developer should perform a preliminary, dedicated security spike/review (2-4 hours) before final story pointing, ensuring security complexity is accurately reflected in the estimate.

6. Action Items

- Formalize Style Guide: The Frontend Developer (Andrei Sam Loy) will draft a basic style and component usage guide (including Tailwind best practices) to be used starting Sprint 3.
- Security Spike Policy: The Scrum Master (Herlanz Mirby Panonce) will update the Sprint Planning checklist to include the "Security Spike" step for any story involving admin-level privileges.

7. Team

Name	Role
Ruther Gerard Ramirez	Product Owner
Muriel Pacio	Business Analyst
Herlanz Mirby Panonce	Scrum Master
Berchard Lawrence Lawas	Lead Developer
Andrei Sam Loy	Developer
Joshua Noel Lo	Developer

8. Approval Sign-off

	Full Name	Signature	Date
Reviewed By:	Ruther Gerard Ramirez		12/05/2025
Noted By:	Joshua Noel Lo		12/05/2025
Noted By:	Andrei Sam Loy		12/05/2025
Noted By:	Berchard Lawrence Lawas		12/05/2025
Noted By:	Herlanz Mirby Panonce		12/05/2025

Noted By:	Muriel Pacio		12/05/2025
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