Software Requirements Specification (SRS)

Project Title: Campus Ride-Sharing Platform with Parking System Integration

Tutorial Section: TT2L

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Date:

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# 1. Introduction

## 1.1 Purpose

The purpose of this document is to outline the software requirements for the development of a Campus Ride-Sharing Platform integrated with the university's parking system and digital ID verification. This platform is targeted at MMU students, staff, and faculty members to facilitate safe, efficient, and eco-friendly commuting on campus.

## 1.2 Scope

The platform will allow users to schedule carpools, view real-time parking data, and verify users via MMU's digital ID system. It is exclusive to the MMU community and will not include payment services or city-wide navigation in the initial version.

## 1.3 Intended Audience

This document is intended for project stakeholders, system developers, MMU IT administrators, and students/staff who will use or maintain the system.

## 1.4 Product Overview

The system will provide ride-matching functionality, parking space updates, and user verification. The backend will integrate with MMU’s existing infrastructure to ensure accuracy and reliability of services.

# 2. References

1. ISO/IEC/IEEE 29148:2018 – Systems and software engineering — Life cycle processes — Requirements engineering

2. MMU Digital Identity Policy

3. CSE6224 Course Lecture Materials and Project Guidelines