A blue and black logo

AI-generated content may be incorrect.

**Trimester March/April, 2025**

**CSE6224 SOFTWARE REQUIREMENTS ENGINEERING**

**Project Part 1**

**Topic:** **Campus Ride-Sharing Platform with**

**Parking System Integration**

**Project Vision Documentation**

|  |  |  |
| --- | --- | --- |
| Name | Student ID | Course |
| Chee Rui | 1211112287 | Bachelor of Computer Science |
| Teh Li Wei | 1211109581 | Bachelor of Computer Science |
| Sow Chien Yee | 1211210800 | Bachelor of Computer Science |
| Lai Zi Xuan | 1211109451 | Bachelor of Computer Science |

1 Introduction

1.1 Purpose of the Document

The purpose of this documentation is to systematically gather, extract, organize, and present the requirements and expectations of stakeholders to ensure a clear understanding of the software’s intended functionality through various elicitation methods. It serves as a reference for both clients and developers to clarify expectations, align goals, and provide a foundation for further analysis, validation, and design.

## 1.2 Problem statement

The Multimedia University (MMU) Cyberjaya campus frequently experiences issues related to limited parking availability, illegitimate parking practices, and the absence of coordinated transportation options for students and staff. As a result, there is a need for a system that simplifies the search for available parking, enables the reporting of unauthorized usage, and provides transportation solutions to enhance campus mobility.

## 1.3 Objectives

* Identify the crucial functions required by users
* Identify the preferred behaviour and details of each function
* Identify the systems and APIs that interact with the system
* Capture both functional and non-functional requirements
* Uncover any constraints or limitations

## 1.4 Scope

The scope of this elicitation process covers the identification of user and administrative requirements for the campus ride-sharing platform and parking system at Multimedia University, Cyberjaya. It includes:

* User authentication (login via Student ID and password)
* Interactive map features for viewing and navigating parking spaces
* Viewing and reporting illegitimate parking
* Admin review and management of parking reports
* Car Pooling features

It does not include:

* Payment processing systems
* Integration with external vehicle databases
* Real-time camera surveillance or mobile application functionality

## 1.5 Intended Audience

The intended audience for this elicitation process includes all stakeholders involved in or affected by the development of the campus ride-sharing platform and parking system at Multimedia University (MMU), Cyberjaya. These include:

* Students and faculty staff as main users of the system who will interact with features such as parking space viewing, space claiming, reporting, and ride booking
* System administrators, who can view reports, view car details and overwrite parking space.
* NICE MMU, who provides the API for Student ID, password and car details.
* Software development and design team, who will use the elicited requirements to design and implement the system

1.6 Overview

Brief summary of what’s in section 2 3 4 basically the other sections (Probably leave till last)