

**Trimester March/April, 2025**

**CSE6224 SOFTWARE REQUIREMENTS ENGINEERING**

**Project Part 1**

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

**Parking System Integration**

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# 

# 1 Introduction

## 1.1 Problem Statement

## 1.2 Vision

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## 1.3 Scope



The system will not:

## 1.4 Purpose

## 1.5 Goals

## 1.6 References

# 2 Product Overview

## 2.1 Product Perspective

## 2.2 Product Functions

### 2.2.3 Check Legitimate Occupied Parking Spaces

### 2.2.4 Request a Ride

### 2.2.5 Accept Ride Requests

### 2.2.6 Claim or Unclaim a Parking Space

### 2.2.7 Report an illegitimate parking

## 2.3 Product Characteristics

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## 

## 2.4 Limitations

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The following table outlines the limitations that may impact the design, development, and deployment of

# 3 Requirements

## 3.1 Functions

## 3.2 Performance Requirements

## 3.3 Usability Requirements

## 3.4 Interface Requirements

## 3.5 Logical Database Requirements

## 3.6 Design Constraints

## 3.7 Software System Attributes

## 3.8 Supporting Information

# 4 Verification

## 4.1 Verification Approach

## 4.2 Verification Criteria

# 5 Appendix

## 5.1 Assumptions and dependencies

## 5.2 Acronyms and abbreviations

## 5.3 Glossary