
Software Requirements Specification

for

Parking Management System

Version 1.0 approved

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04.03.2019

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Revision History

Name	Date	Reason For Changes	Version

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1. Introduction

1.1 Purpose

This document contains information regarding the Parking Management System, the first release.

1.2 Intended Audience and Reading Suggestions

1.3 Product Scope

2. Overall Description

2.1 Product Perspective

2.2 Product Functions

2.3 User Classes and Characteristics

2.4 Operating Environment

2.5 Design and Implementation Constraints

2.6 User Documentation

2.7 Assumptions and Dependencies

3. External Interface Requirements

3.1 User Interfaces

3.2 Hardware Interfaces

3.3 Software Interfaces

3.4 Communications Interfaces

4. System Features

4.1 System Features:

Register

Priority: 1

Functional Requirements

REF1: The web application disposes of register with first name, last name and email.

REF2: Register will be made through 2-step authentication. (with email)

Authentication

Priority: 2

Functional Requirements

REF1: The web application disposes of authentication via username and email.

Parking place management

Priority: 3

Functional Requirements

REF1: The web application displays availability of parking lots

REF2: The web application enables users to set the arrival/departure date and time.

REF3: The web application enables users to cancel their reservation.

REF4: The web application must enable the user to park without making a reservation, if the lot is available.

Reporting system

Priority: 4

Functional Requirements

REF1: Users can report other users if the parking place booked by them was occupied by another user.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

5.2 Safety Requirements

5.3 Security Requirements

5.4 Software Quality Attributes

5.5 Business Rules

