
Software Requirements Specification

for

Car Parking Booking System

Version 1.0 approved

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ND_JAS19_TA_APPS_1

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1. Introduction

1.1 Purpose

The project is emphasizing on the easy use of the parking booking services provided from their home through their application. This application can be used to easily do the actions such as booking a new parking slot, Checkout bookings which are pending to be checked out, get to know the cost of booking at the time of checkout, view your booking history etc.

1.2 Document Conventions

This document contains the documentation for all the requirements of the application. To make it easy to read it follows some typography conventions.

- Large and bold font for headings
- Medium and bold font for sub headings
- Regular italic font for content
- Important facts in the content are underlined
- The topics and subtopics are categorized by numbering.

1.3 Intended Audience and Reading Suggestions

This SRS documentation is accessible by the following people in the organization:

- Ayush Kumar

2. Overall Description

2.1 Product Functions

The software can perform the following functions:

- Show user account details
- Checkout a prior parking
- Book a parking lot (client-side simulation)
- View booking history (client-side simulation)
- Show FAQs for user support
- Login through a secure system using username and password
- Register to the system for creating a new account
- Securely Exit and Logout of the user system

2.2 User Classes and Characteristics

This program can be used by all kinds of technical/non – technical knowledgeable people. This is to be used by the people who want to perform parking lot booking actions from their homes through a very easy to use and understandable interface.

2.3 Operating Environment

This software needs the windows (x32 or x64) environment to function correctly. This program, if needed to be compiled/build from source code, needs a Java Runtime Environment.

2.4 User Documentation

User documentation is provided with the final product in the form of a readme file and the application itself contains the help needed for the user.

Documentation has been provided in the form of comments in the code for the developers who want to use the source code for further development and management.

3. External Interface Requirements

3.1 Hardware Interfaces

- Any standard computer monitor
- Intel Pentium III or any higher model processor
- Min. 2GB Ram
- Keyboard for input

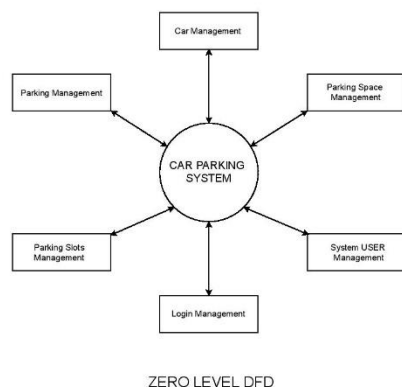
3.2 Software Interfaces

- Java Runtime Environment (Java SE 8 used)
- Oracle SQL database system
- Any Java compatible OS

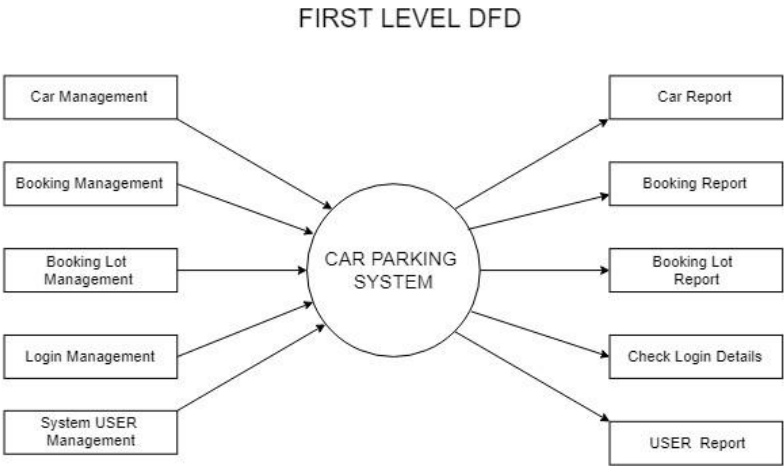
4. System Features

4.1 Data Flow Diagrams

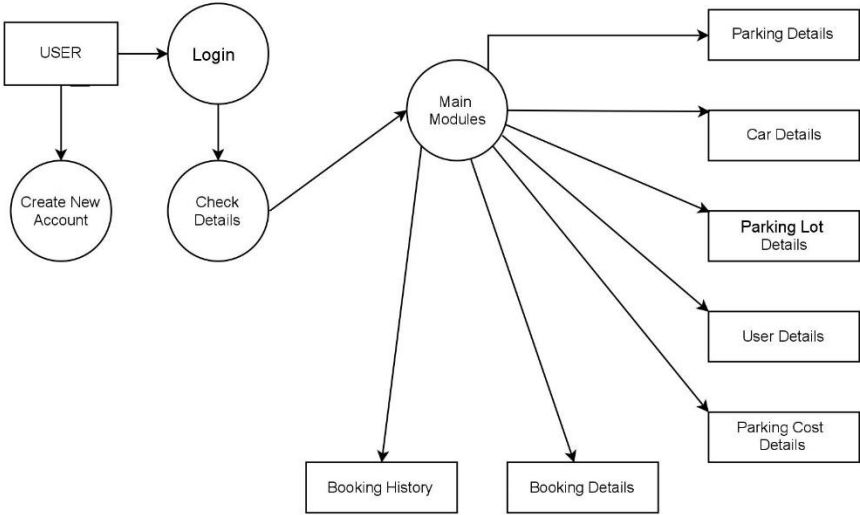
Zero level



First Level

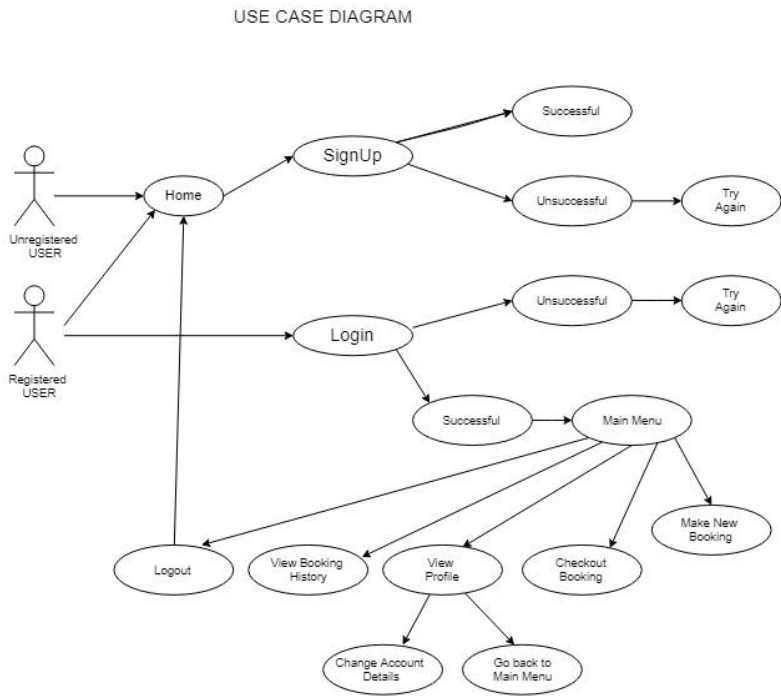


Second Level



Second Level DFD

4.2 Use Cases



4.3 Class Diagrams

Class Diagram

