Car Rental App

Version <1.0>

Revision History

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| **Date** | **Version** | **Description** | **Author** |
| 22.03.2023 | 1.0 | Filling out initial specifications for the application | Cornea Mihai |
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Table of Contents

1. Introduction 4

2. Non-functional Requirements 4

2.1 Availability 4

2.2 Performance 4

2.3 Security 4

2.4 Testability 4

2.5 Usability 4

3. Design Constraints 4

# Introduction

The Supplementary Specification provides a comprehensive overview of the system requirements that are not explicitly captured in the use-case model. I’ve taken into consideration legal and regulatory requirements, as well as application standards, to ensure that the app meets all necessary guidelines. I’ve also included quality attributes such as usability, reliability, performance, and supportability requirements to ensure a smooth and responsive user experience. The app is going to be compatible with various operating systems and environments and designed to meet all necessary design constraints.

# Non-functional Requirements

## Availability

The car rental app is designed to be available 24/7, ensuring that users can access the app and book a car at any time. Maintenance will be performed in the periods of time when the traffic load is low, and will be done swiftly to ensure the app is back up and running as quick as possible.

## Performance

The car rental app is optimized for speed and performance, ensuring that users can quickly and easily search for and book a car. I will have to document myself further on methods to ensure that the app runs smoothly and quickly, even under heavy load.

## Security

We take the security of our users' data very seriously. Our car rental app is designed with industry-standard security protocols and encryption techniques to ensure that users' personal and payment information is kept safe and secure

## Testability

## The app is easily testable on most platforms since the chosen programming language is usable on most operating systems available(on computers) testing will be done(initially) through JUnit Testing.

## Usability

The car rental app is designed to be easy to use and intuitive, even for users who are not familiar with car rental apps. The app will be easily accessible from any browser, making it easy to use for everyone, everywhere, on every platform.

# Design Constraints

When designing the car rental app, there are several important design constraints to consider. Firstly, the app should be easy to use and navigate, with a clear and intuitive user interface that allows users to quickly find and book their desired rental car. Secondly, the app should be secure and reliable, with robust data encryption and protection measures in place to ensure the safety of user data and transactions. Thirdly, the app should be optimized for mobile devices, with responsive design and fast loading times to provide a seamless user experience on all devices. Finally, the app should be designed with scalability in mind, with the ability to handle large numbers of users and rental requests without compromising performance or user experience.