Rent a car application

Vision

Version <1.0>

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <02/April/19> | <1.0> | First version of the document | Olar Paul Dan |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table of Contents

1. Introduction 4

1.1 Purpose 4

1.2 Scope 4

1.3 Definitions, Acronyms, and Abbreviations 4

1.4 References 4

1.5 Overview 4

2. Positioning 4

2.1 Problem Statement 4

2.2 Product Position Statement 4

3. Stakeholder and User Descriptions 5

3.1 Stakeholder Summary 5

3.2 User Summary 5

3.3 User Environment 5

4. Product Requirements 6

Vision

# Introduction

This document will provide a vision for how technology can be used within the state to efficiently solve a number of business problems shared by the car renting system. To accomplish this, an architecture will be developed that will facilitate the secure and efficient sharing of data and resources within this system. A small application will be developed on this architecture to demonstrate the effectiveness of the architecture in solving a variety real-world business problems and providing participating districts hands-on experience with these technologies.

## Purpose

The purpose of this document is to collect, analyze, and define high-level needs and features of the application “Rent a car”.

## Scope

The scope of this application is to be an easy way for tourists to find an available car to go around the city. Also, it will be a good way for people how have their cars broken to replace them if they need one in less time.

## Definitions, Acronyms, and Abbreviations

See glossary.

## References

1. Spring Boot information source page

<https://spring.io/projects/spring-boot>

1. HTML5 – CSS3 – JavaScript web development course

<https://www.udemy.com/the-web-development-course-html5-css3-javascript/>

## Overview

This topic outlines the following activities, which are coordinated by the analyst to develop the vision. Stakeholders provide input, review, and approve during the process.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Transportation, management of car rentals |
| affects | Anyone who needs a ride and don’t want to use a public transport |
| the impact of which is | The communication between the parties, information isn’t always accessible to everyone, lots of time wasted with the organization process, lots of staff needed |
| a successful solution would be | The application will be something accessible both to the customers and the employees, making the whole process of renting a car a lot easier |

## Product Position Statement

|  |  |
| --- | --- |
| For | clients |
| Who | Need a ride in a short time |
| The Rent a car | is a service to rent a car in a short time |
| That | Can be easily accessed and have a better comfort |
| Unlike | Public transport |
| Our product | Can offer an alternative to find a ride in a very short time and can give you a better comfort. |

# Stakeholder and User Descriptions

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Project Manager | The person in charge of the project | Watching the developers’s progress on the project and also verify if the updates are correctly. |
| Developers | Creators of the project | Responsible for creating the project and keeping updated. |
| QA | Testing the project | QA testers run various tests on software to ensure it meets all standards and guidelines and is ready to be marketed to consumers. |
| Marketing specialist | Generate creative ideas and helps for sales and the profit | Conduct market research to find answers about consumer requirements, habits and trends. Brainstorm and develop ideas for creative marketing campaigns. |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Client | The type of user who will make an order for a car. |  | The stakeholder responsible for this type of user is represented by the QA. |
| Admin | The user who will be responsible for the application content and performance | Receive the order  Hand out the car | The stakeholder responsible for this type of user is represented by the Marketing team, who should bring more clients. |

## User Environment

Since this is a more complex application, the working environment will integrate all the features by using as few of resources as possible in order to keep it accessible to everyone. Hence, this system will be configured to work on a remote or on local SQL Driver. However for changing this configuration support from the application owners will be needed and accepted by the users. The application can still be used on a local server or on a remote server as long as an internet connection is available. The recommended use is however through a remote server since it has to be accessible both for the customers and the employees

# Product Requirements

The program shouldn’t be useless, so the implemented operations are the needed operations in order to run and administrate a car renting company, operations that need to be done by customers and by the renting company’s employees. The application will allow a customer to search and view the available cars, along with detailed information and pictures for the selected date interval and from the specified source city. To rent a car, the customer must fill its personal data. After the customer has rented a car, an email is sent to him with the renting details. When a customer that has rented a car comes to the renting company to pick up the car, an employee creates a contract which is then printed so that the client can sign it. When a car is brought back to the customer, the employee marks the car as returned.