Car Renting Application

Vision

Version 1.0

Revision History

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| --- | --- | --- | --- |
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| 21.03.2023 | 1.0 | Presenting the vision of the project. | Voicu Sara-Ioana |
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Vision

# Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the Car Renting System. It focuses on the capabilities needed by the stakeholders and the target users, and **why** these needs exist. The details of how the application fulfills these needs are detailed in the use-case and supplementary specifications.

## Purpose

The purpose of this vision document is to get familiar with the project and to describe its main ideas. The application’s purpose is to rent cars which can be used by customers and by the renting company’s employees. The system will allow a customer to search and view the available cars for the selected date interval and from the specified source city.

## Scope

This project represents a client-server application. It can be useful in the real world, as we encounter similar situations when we travel to another city and we want to rent a car, or when our car is broken and we need to look for a car renting company. A site is easier and quicklier to use for the client.

## Definitions, Acronyms, and Abbreviations

## References

## Overview

The next parts of the Vision document contain:

* the problem statement, where the document describes the problem and the solution provided by the application
* the product positions statement, which describes why our company offers good products and the category of people that can benefit from our services
* descriptions of the stakeholders and the users of the application

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | The problem occurs when the client needs to use a car for personal reasons and doesn’t own one/owns a broken one. |
| affects | It affects the customers and some of the employees. |
| the impact of which is | Some people cannot get to some places quickly. |
| a successful solution would be | The solution is to create an application where clients/employees can rent a car to use it for their personal reasons and benefit from it. |

## Product Position Statement

|  |  |
| --- | --- |
| For | people that own a driver license |
| Who | people who need a car for different reasons |
| The (product name) | cars of different brands |
| That | used cars, good quality cars, that have all the documents and controls up to date |
| Unlike | the competition is represented by other companies that provide cars for renting |
| Our product | the primary differentiation is that we offer a low price for good-qualities car, and our clients can look for the models and rent them online, which is an easier method nowadays |

# Stakeholder and User Descriptions

The stakeholders of the project are represented by the administrator that must do his best to offer the clients a friendly environment in which they can look for cars and rent them.

The users of the project are represented by the clients, that can create an account and then rent a car and receive the confirmation and the employees that can also rent cars.

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Administrator | The administrator works for the company and his goal is to offer solutions to the problems of the customer. | This stakeholder:  -ensures that the system will be maintainable  -ensures that there will be a market demand for the product’s features  -monitors the project’s progress  -monitors the clients of the company |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Client | The client is the one that benefits from the application. | This user:  -can access the application and benefit from it  -creates a valid account  -rents the car and returns it when the contract expired  -signs a contract | The employee is responsible for sending the contract to the client. The administrator performs CRUD operations on them. |
| Name | Description | Responsibilities | Stakeholder |
| Employee | The employee is the one responsible for the client. | This user:  -can access the application  -send the contract to the client  -receives the car when the contract with the client is over | The administrator is responsible for the employees and performs CRUD operations on them. |

## User Environment

The number of clients is unlimited, anyone can create an account, with the condition that they are

over 18 and have a driving license. The number of cars is limited and sometimes the application may have no available car.

The clients can spend as much time as they need on the application. Once they rent a car, they must return it back when the contract is over.

The cars are in a garage, inside. The client must come to the company to get the car, but the renting can be done online, on the application.

There would be only one application for the company.

Our application is independent, there are no collaborations with other companies of renting cars.

# Product Requirements

The cars mut be in good condition, they must have all the documents and controls up to date.

The application must work fast, no bugs allowed. The interface must be a friendly environment for the users, so that it can be easy for anyone to access it, create an account and search for cars.