**Vision Document for  CarRentMIU**

**Team members:**

* Luiz Fernando de Andrade Gadelha - 610800
* Eden Bereda - 109657
* Edmael Fortune - 611091

1. **Introduction**

In the history of car rental, the car rental system was a paper based system. That means the customer fills out some form to register for car rent by phone call or comes directly to the office. Then the form will be submitted to the admin. After verification is completed, the car and driver will be delivered depending on the history recorded on the paper. It was too hard to manage when the client had a lot of customer records.

This Manual system:

* Customers could not register without contacting the office.
* It is not secured.
* Difficult to manage when the number of customers gets large etc.
* It took time and resources

RentCar is a software tool which can be accessible by a client and customer to rent a car online. The aim of this tool is to solve the problem that occurred while using a manual system a year ago.

This WebBased system:

* It increases customer
* It saves time and resources for both users (client and customers)
* Customer can register online
* Client can have a transaction of rented and returned

2. **Positioning**

2.1 **Problem Statement**

|  |  |
| --- | --- |
| The problem of | *Managing multiple stores by keeping track of customers, employees and cars* |
| Affects | *Employees, customers and cars* |
| the impact of which is | *Complexity of renting a car in multiple stores, managing the schedules of customers and employees.* |
| a successful solution would be | *One tool which integrates facilitates:*   * *Stores managing* * *Car registration* * *Car rentalling* * *Cars schedule* * *Customer registration* * *Clients schedule management*   + *late return cars*   + *car reservation* * *Clients grading* * *Clients info* |

2.2 **Product Position Statement**

|  |  |
| --- | --- |
| For | Car rental store owner |
| Who | needs a system to manage car rental stores keeping track of customers and cars, |
| The | CarRentMIU |
| That | Is a Car Rental Management System that facilitates the management of cars rents and customers |
| Unlike | Paper based, hard to manage, it takes a lot of time and resources |
| Our Product | Web Based easy to use, saves time and resources |

3. **Stakeholder Descriptions**

3.1 **Stakeholder Summary**

|  |  |  |
| --- | --- | --- |
| Name | Description | Responsibilities |
| Admin | The admin is the administrator of the car rental shop. Admins add, edit, delete or block customers to use the system | Responsible for setting the initial data about available cars and clients |
| Customer | Can see the schedule of cars. Can rent a car or set an reservation on a car | They are responsible for choosing a car, an initial and final date of rent. |

3.2 **User Environment**

* The users which will be represented by the employees and owners will get access to the system locally and remotely.
* It should communicate their daily needs like registering, updating, listing, and removing customers and cars through the database.
* The remote access should be via the internet using a cloud database.
* The following operating systems for the mobile devices are not supported and it should only remain as a local management system for enterprise legacy usage.
* The system should be easily usable and accessible by the end-users
* The system should be to operation on the following platforms (Windows, Linux and Mac OS) and no needs to depend on other dependencies during the installation

4. **Product Overview**

4.1 **Product Perspective**

4.2 **Assumptions and Dependencies**

[List each factor that affects the features stated in the Vision document. List assumptions that, if changed,

will alter the Vision document. For example, an assumption may state that a specific operating system will

be available for the hardware designated for the software product. If the operating system is not available,

the Vision document will need to change.]

4.3 **Needs and Features**

[Avoid design. Keep feature descriptions at a general level. Focus on capabilities needed and why (not

how) they should be implemented.]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Problem | Need | Priority | Features | Planned Release |
| **Admin** | | | | | |
| 1 | New customer must be able to be added | Customer name, SSN, bank account info | 1 | An admin must be able to add clients |  |
| 2 | New cars must be able to be added | Car’s model, year, characteristic,picture | 1 | An admin must be able to add cars |  |
| 3 | Car schedules must be able to be viewed | Car id | 1 | An admin or a customer must be able to see a car schedule |  |
| 4 | Store statistics must be generated | Store id | 1 | An admin must be able to generate reports of each store |  |
| 5 | View car status | Car id | 1 | An admin should know the status of the cars |  |
| **Customer** | | | | | |
| 1 | Customer must be able to rent a car or schedule a car to rent | Car id | 1 | Car rent |  |
| 2 | Customer must be able review the car rent | Car id | 1 | Rent comment |  |
| 3 | Customers can see available cars. | Car model | 1 | Choose car |  |

4.4 **Alternatives and Competition**

Paper based is difficult to use and manage. We can create more.

5. **Other Product Requirements**

[At a high level, list applicable standards, hardware, or platform requirements; performance requirements;

and environmental requirements.

Define the quality ranges for performance, robustness, fault tolerance, usability, and similar

characteristics that are not captured in the Feature Set.

Note any design constraints, external constraints, or other dependencies.

Define any specific documentation requirements, including user manuals, online help, installation,

labeling, and packaging requirements.

Define the priority of these other product requirements. Include, if useful, attributes such as stability,

benefit, effort, and risk.]