**Vision Document for “Car-rental”**

**Team members:**

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**1. Introduction**

Renting a car is a convenient option for anyone who needs a temporary vehicle for a vacation, special event, business outing or during a period when you’re in between cars. Although the process of renting a car might vary from one location or company to the next, a few standard rules apply.

Renting a car is usually as easy as contacting a rental car company and answering a few questions about your needs and your budget. The first factor the company is going to consider is when you need the car, and for how long. It will then research what it has available during that time period. Based on your budget, you’ll then be able to select which car you’d like.

Most rental agencies will let you do all of this online, which means you can just pick up the car on the day you need it. You can usually return your rental vehicle at any franchise of the same company, which means you can [drop it off](http://www.enterprise.com/car_rental/deeplinkmap.do?bid=056&dcpCode=ONE-WAY) at your arrival destination if that is more convenient for you.

When you go to pick up your car, be ready to show proof of address, your driver's license, insurance policy, a valid telephone number and/or email address, and a valid credit or debit card. Most rental agencies will not accept cash as a form of payment because they use your credit or debit card as a means to bill you for any liabilities you face in the event that you damage the vehicle.

Also, be sure to check your rental agreement to see how many miles you are allowed to travel in your rental car without facing an additional fee. If you go over your [mileage restrictions](http://www.autorentalnews.com/channel/rental-operations/article/story/2010/06/unlimited-miles-or-mileage-caps.aspx), you may be forced to pay for a higher mileage limit or you may even be charged for each additional mileage you use. You could also be charged for going out of state, so be sure to check with your rental agency before leaving town.

**2. Positioning**

**2.1 Problem Statement**

*[Provide a statement summarizing the problem being solved by this project. The following format may be*

*used:]*

|  |  |
| --- | --- |
| The problem of | *managing the Car rent and allowing customers to*  *search and reserve for a car of their choice.* |
| Affects | *Rental company and customers* |
| the impact of which is | *managing car rental manually is complex and encounter many updates and deletions.* |
| a successful solution would be | *one tool which builds car rental management system that integrates the*  *business rules for car availability choice of a customer. This tool will provide a Database and a*  *user interface that is easy to use for customers, and*  *car rental companies.* |

**2.2 Product Position Statement**

*[Provide an overall statement summarizing, at the highest level, the unique position the product intends to*

*fill in the marketplace. The following format may be used:]*

|  |  |
| --- | --- |
| For | *[target customer]* |
| Who | *[statement of the need or opportunity]* |
| The (product name) | *is a [product category]* |
| That | *[statement of key benefit; that is, the compelling reason to buy]* |
| Unlike | *[primary competitive alternative]* |
| Our product | *[statement of primary differentiation]* |

*[A product position statement communicates the intent of the application and the importance of the project*

*to all concerned personnel.]*

**3. Stakeholder Descriptions**

**3.1 Stakeholder Summary**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Admins | Admins add, edit, or delete cars and may add customers to the system, and show cars for rental | Admins are responsible for setting up insert initial data and managing system. And updating car for rental and price. |
| Customers | Customers can see cars for rental and get registered their identity | Customers are responsible for renting the car they want |
| Developers | Developers develop Systems based on given document. | Developers are responsible for developing system features, fixing bugs, and maintaining the systems availability |
| Tester | Testers are JUnit tool to test system or integration test. | Testers are responsible for integration testing. |

**3.2 User Environment**

*[Detail the working environment of the target user. Here are some suggestions:*

*Number of people involved in completing the task? Is this changing?*

*How long is a task cycle? Amount of time spent in each activity? Is this changing?*

*Any unique environmental constraints: mobile, outdoors, in-flight, and so on?*

*Which system platforms are in use today? Future platforms?*

*What other applications are in use? Does your application need to integrate with them?*

*This is where extracts from the Business Model could be included to outline the task and roles involved,*

*and so on.]*

**4. Product Overview**

**4.1 Product Perspective**

*[This subsection of the* ***Vision*** *document puts the product in perspective to other related products and the*

*user’s environment. If the product is independent and totally self-contained, state it here. If the product is a*

*component of a larger system, then this subsection needs to relate how these systems interact and needs to*

*identify the relevant interfaces between the systems. One easy way to display the major components of the*

*larger system, interconnections, and external interfaces is with a block diagram.]*

**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 | Adim should be able to search for cars and customers | System should let the admin login and update |  | Admin must be able to add, edit or delete different customers as well as cars |  |
| 2 | Update car mileage | Each car must be updated with the current mileage on it |  | Admin must be able to update mileage of the car |  |
| 3 | Verification of name and full address | Each customer coming in must be verified before picking up the car |  | Admin must be able to enter all the customers information and verify the customer |  |
| **Customer** | | | | | |
| 4 | Customer can log in to the system with their own privilege | Customers should be able to see cars for rent |  | Customers can log in to the system with their username and password |  |
| 5 | Customer can rent a car what they want | Customers can register for car rental |  | Customers can be able to rent a car after logging in the system |  |
| **System** | | | | | |
| 6 | The system should show a due date to customers | If the customers have rent a car. The system should show due date |  | System should show due date for customers if they log in and view agreement form |  |
| 7 | System should allow customers to cancel rental car | If the customers do not want the car before they take it. The system should be able to let them cancel |  | System should show cancel after they choose car before payment |  |

**4.4 Alternatives and Competition**

*[Identify alternatives the stakeholder perceives as available. These can include buying a competitor’s*

*product, building a homegrown solution, or simply maintaining the status quo. List any known competitive*

*choices that exist or may become available. Include the major strengths and weaknesses of each competitor*

*as perceived by the stakeholder or end user.]*

**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.]*