**Vision Document for “New Car Rental Project”**

**Team members:**

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**1. Introduction**

In many years we have already had the traditional car rental services like Hertz, Avis, National, etc. In recent years, we have emerging had new taxi services that are using new technologies and combination of community sharing like Uber, Grab, Didi, etc

The team is coming up with those ideas to create a new approach for car rental service:

* To rent cars (like the traditional car rental services)
* Un-used or less-used cars are shared by the owner to the users (like shared cars of Uber, Grab or Didi, etc., but car owners do not need to drive).

Main advantages of this idea:

1. We do not need to spend much money to invest and buy cars at first.
2. Utilize unused or less-used cars to generate income for anyone who has those ones.
3. Create a new investment channel for anyone who wants to.
4. The car rental prices are much cheaper than the traditional car rental ones.

**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 | *There is a need of building a software tool that can be*   * *Manage efficient vehicles and create better car rental services (e.g reduce rental cost, improve service process...)* * *Manage better customers* * *And increase business services* |
| Affects | *Car rental services, customers usually rent cars, car owners who have car for rent* |
| the impact of which is | *Complexity of different kinds of cars and fee calculations of short-term and long-term rental.* |
| a successful solution would be | *Creating a new car rental service by combining technologies and new ways of car management.*  *Providing and competing new cheaper price scheme.* |

**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 | *Any customer needs and rents a car* |
| Who | *This opportunity to connect between customer who rents a car and co-investor who contributes their cars* |
| The (product name) | *Transportation service* |
| That | *- Car rental fee is cheaper*  *- Initial investment is less* |
| Unlike | *The traditional car rental services* |
| Our product | *New and different way to manage and rent a car* |

*[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** |
| Admin | Manage this service, add, edit, delete car owners and their cars | Responsible for setting up, and managing the system. |
| Car Owner | Own and contribute cars to the service | Responsible to contribute cars to the service for rental. |
| Customer | Use this service to rent a car | Rent a car and pay car rental fee. |
| Developer | Develops the system based on the basis of given documents | Responsible for developing the system features, fixing bugs, and maintaining the system’s availability. |
| Tester | Tests and integrate the system | Responsible for quality of the system. |

**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 | Admin is able to manage owners | Owners must be registered before they can add their cars |  | Admin must be able to add, edit or delete car owners |  |
| 2 | Admin is able to review and approve/disapprove owner’s cars | Cars must be reviewed and approved before they are rented |  | Admin must be able to review and approve/disapprove cars added by Owner |  |
| 3 | Admin is able to review and update a rental price | Cars must be provided a rental price before |  | Admin must be able to review and define a price for different car model, size, manufacture year |  |
|  |  |  |  |  |  |
| **Car Owner** | | | | | |
| 4 | Car Owner is able to manage their own information | Car Owner must be added their info before adding their cars |  | Car Owner must be able to add, edit, or delete their info |  |
| 5 | Car Owner is able to manage their cars | Cars must be added before they can be rented |  | Car Owner must be able to add, edit, or delete their cars |  |
|  |  |  |  |  |  |
| **Customer** | | | | | |
| 6 | Cumbersome procedures and rental price is high | Need a better service/procedure and compatible price |  | Customer can easily find available car that suitable to their need to rent, at a compatible price that they want |  |
| 7 |  |  |  |  |  |

**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.]*