## A logo of a university Description automatically generated

**Functional Requirement Document**

**(Guide S50 Version 1.0)**

*for*

**Car Rental System**

**<Version 1>**

*Prepared for*

**Cebu Institute of Technology-University  
Information Management 2 (CSIT327)**

## Mr. Frederick Revilleza Jr.

## A logo of a college of computer studies Description automatically generated

August 28, 2024

*Prepared by*

Enriquez, Piolo Frances L.  
Malagapo, Nathan Rener S.  
Pangalay, Jerjen Res T.

Table of Contents

[1. DOCUMENT REVISION LOG 4](#_Toc254091316)

[2. DOCUMENT REVIEWERS 4](#_Toc254091317)

[3. APPROVER & SIGNOFFF 4](#_Toc254091317)

[4. FUNCTIONAL REQUIREMENTS (Product Capabilities & Behaviour) 5-6](#_Toc254091353)

[INTRODUCTION 5](#_Toc254091354)

[PURPOSE 5](#_Toc254091355)

[SCOPE 5](#_Toc254091356)

[FUNCTIONAL REQUIREMENTS 5-6](#_Toc254091357)

# DOCUMENT REVISION LOG

**Table 1 Document Revision Log**

| Date | Author | Version | Reason for Change |
| --- | --- | --- | --- |
|  |  |  |  |

# 

# DOCUMENT REVIEWERS

**Table 2 Document Reviewers**

| Name & Title | Role | Approval Date | Version |
| --- | --- | --- | --- |
|  |  |  |  |

# 

# APPROVER & SIGNOFF

**Table 3 Client Acceptor (Project Sponsor)**

| Name & Title | Role | Approval Date | Version |
| --- | --- | --- | --- |
|  |  |  |  |
| Signature: |  | | |

**Functional Requirements (Product Capabilities & Behavior)**

# **Introduction**

The “Car Rental System” is a web-based application designed to streamline the process of renting vehicles. It offers a convenient and efficient platform for both customers and rental companies. The system provides a user-friendly interface for customers to search for available vehicles, make reservations, and manage their rental process.

## **Purpose**

The Car Rental System is designed to provide a convenient and efficient platform for customers to rent vehicles. The system aims to streamline the rental process, improve customer satisfaction, and increase operational efficiency for rental companies.

## **Scope**

The Car Rental System will encompass the following key functionalities:

* Customer Registration
* Car Reservation Online: Enable customers to search for available vehicles, select rental dates and times, and book vehicles online.
* Automatic Database Update: Ensure that the system automatically updates the database when a new reservation is made or a customer registers.
* Vehicle Search and Availability: Provide a user-friendly interface for customers to search for available vehicles based on various criteria (e.g., make, model, location).
* Customer Feedback: Allow customers to provide feedback on their rental experience to help improve the system and services.
* Payment Processing: Integrate with a secure payment gateway to process rental payments.

## **Functional Requirements**

## **Customer Registration**

To register for the Car Rental System, users need to visit the registration page, provide their personal information, create a password, agree to the terms and conditions, and submit their registration. Upon successful registration, users will receive a confirmation and can start using the system.

## **Car Reservation Online**

Customers can search for available vehicles online, select their desired vehicle, specify rental details, review and confirm their booking, make payment, and receive a confirmation. This streamlined process allows customers to easily reserve vehicles from the comfort of their own homes or devices.

## **Automatic Database Update**

The Car Rental System is designed to automatically update its database whenever a new reservation is made, or a new customer is registered. This ensures that the system always has accurate and up-to-date information, preventing errors and inconsistencies. By automating database updates, the Car Rental System provides a more reliable and efficient platform for both customers and rental companies.

## **Vehicle Search and Availability**

The Car Rental System provides a user-friendly interface for customers to search for available vehicles. The system will then display a list of available vehicles that match the customer's search criteria. Customers can view detailed information about each vehicle, including its make, model, year, and features. This allows customers to find the perfect vehicle for their needs and preferences.

## **Customer Feedback**

The Car Rental System incorporates a feedback mechanism to gather valuable insights from customers. Customers can provide feedback on their rental experience through a survey or online form. This feedback is used to identify areas for improvement, enhance customer satisfaction, and ensure the system's ongoing development.

## **Payment Processing**

The Car Rental System integrates with a secure payment gateway to facilitate online payments. Customers can choose from various payment options, such as credit cards, debit cards, or digital wallets. The payment process is designed to be safe and reliable, with industry-standard security measures in place to protect customer information. Once a payment is made, the system will generate a confirmation and update the reservation status accordingly.