System Requirements Statement (SRS) –

Bike and Car Rental System Portal

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# Introduction

This document explains the system requirements and scope for developing a Bike and Car Rental System Portal.

The Bike and Car Rental System Portal is divided into three main parts: Customer part, Owner part, and Admin part. This document describes the system requirements of each module.

# Functional Requirements

The Account part of Bike and Car Rental System Portal has three modules which are divided various processes described as below.

|  |  |  |
| --- | --- | --- |
| **No** | **BRS requirement ID** | **Description** |
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## Customer Module

* Customer is the user who rents bikes or cars.
* They can view available vehicles and their prices.

### 2.1.1 Account Creation Process

* The Bike and Car Rental System requires account creation before use.
* The account creation process demands four categories of information:

1. Login Information
2. Contact Details
3. Payment Information

* Login information

The Login information consists of some items described as below.

1. UserID
2. Password
3. First Name
4. Last Name
5. E-mail address
6. User Type (selectable as "Customer")
   * All items are compulsory demanded.
   * UserID

* The UserID should be unique. If the UserID correspond with not case-sensitive to other which is previously registered, the UserID should not be registered as an account.
  + Password
* The Password has constrains which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.

1. Numeric figure (at least one)
2. Capital alphabet (A-Z)(at least one)
3. Small alphabet (a-z)(at least one)
4. Special character (#, $, %, &, etc.) (at least one)

* The Password is masked by dummy characters. The re-entering Password is demanded.
* Contact Details
* The Contact Detail consists of some items described as below.

1. Permanent Address
2. Contact Phone No
   * All items are compulsory demanded.
   * Permanent Address

* Permanent Address should be filled.
* But only the state should be selected from options.
* The Security Question information

The Security Question information is needed when Customer lost their Password. This information consists of two items described as below.

1. Selected Question
2. Answer
   * All items are compulsory demanded.

### 2.1.2 Login Process

* Requires UserID and Password for authentication.
* The UserID and the Password should be checked in three ways.
  + First, The UserID and the Password should be existed and correct.
* If The UserID and the Password are not equal to what the user has registered, the user authentication cannot be provided.
  + Second, the User Type linked to the UserID should be "Customer".
* When the User Type is "Customer", then user can be placed on “Customer Home”.
  + Finally, UserID must be available.
* The Administrator can decide whether the UserID is available or suspended
* If Customer is rejected, user authentication is not provided for system user.
* The Customer account should alive for so long as the duration decided by Admin.
* Only when the three checks are successfully completed, Customer can be placed on respected page.
* The “Customer Home” provides the some items described as below.

1. Logout
2. Update Account
3. Change Password
4. Search Vehicles
5. Rent Vehicle
6. View Rental History
7. Browse Rental Prices

### 2.1.3 Forgot Password Process

* When system user lost their Password, the recovery method should be provided by

Bike and Car Rental Portal.

The recovery method is described as below.

* + First, system user enters their UserID for Rental System.
  + Next, Rental System demands the Answer which has been registered since when the Account was created.
  + Only when the Answer is correct, Customer get the new password by E-mail which also has been registered since when the Account was created.
  + The new password is automatically generated by Rental System.
* Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
* As a consequence, The Customer could get the Customer authentication using the new password.
  + Then, the Customer had better change the new password manually.
* If the Answer is not correct, otherwise, the correct Answer is demanded for user again.
  + In that case, Of course, Customer couldn’t get the new password.

### 2.1.4 Change Password Process

* When Customer wants to change their Password, the measure should be provided by Rental System.
* Therefore, Rental System should provide the function which is available after getting the Customer authentication.
* The function demands the current password and the new password.
  + Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
  + The current password and the new password are masked by using dummy characters.
  + The new password is demanded to enter twice to avoid a typing error.
* Only when the current password is correct, Customer could change their Password.
* When the current password is changed into new password, Rental System compels user authentication again.

### 2.1.5 Update Account Process

* Rental System should provide the function which makes the account updated for Customer.
* The information Customer could update is described below.

1. Login information
2. User information
3. Security Question Information

* The Login information

The updatable items as described below.

1. First Name
2. Last Name
3. E-mail address
   * All items are compulsory demanded, but updating is optional.

* The User information

The updatable items as described below.

1. User Name
2. User Phone No
3. E-mail address
4. Permanent address
   * All items are compulsory demanded, but updating is optional.

* The Security Question information

The updatable items as described below.

1. Selected Question
2. Answer
   * All items are compulsory demanded, but updating is optional.

Search Vehicles

* Search conditions are described as below.

1. Vehicle Type(Bike/Car)
2. Price range

### 2.1.6 Rent Vehicle

* Rental Requirements are described as below.

1. Vehicle type
2. Price
3. Duration
4. Pickup and Return Location
5. Payment Information

### 2.1.7 View Rental History

* Displays past rentals including

1. Vehicle type
2. Rental period
3. Cost
4. Pickup and Return Locations

### 2.1.8 Browse Rental prices

* Customers can view prices of available vehicles.

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Customer Module

**2.2 Owner Module**

* Owner is the user of the system who wants to give his vehicle for rent.

**2.2.1 Account Creation Process:**

* Bike and car rental portal System compels to create the account before using it. So, Bike and car rental portal System should provide the function which makes owner creates new account.
* This functionality allows an owner to create an account on the portal. The process involves entering personal information such as name, contact details, and creating a username and password.
* When owner wants to create new account, the function demands for information described as below.

1. Login information
2. Contact Details

* The Login information

The Login information consists of some items described as below.

1. UserID
2. Password
3. First Name
4. Last Name
5. E-mail address
6. User Type
   * All items are compulsory demanded.
   * UserID

* The UserID should be unique. If the UserID correspond with not case-sensitive to other which is previously registered, the UserID should not be registered as an account.
  + Password
* The Password has constrains which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.

1. Numeric figure (at least one)
2. Capital alphabet (A-Z)(at least one)
3. Small alphabet (a-z)(at least one)
4. Special character (#, $, %, &, etc.) (at least one)

* The Password is masked by dummy characters. The re-entering Password is demanded.
* The Password must be encrypted in e-Farming System.
  + User Type

The User Type falls into three categories described as below.

1. Customer
2. Owner
3. Administrator

* In an Account Creation Process, the user can select Owner.
* No one could select The Administrator, because Administrator is implemented to e-Farming System in advance.
* Contact Details
* The Contact Detail consists of some items described as below.

1. Permanent Address
2. Contact Phone No
   * All items are compulsory demanded.
   * Permanent Address

* Permanent Address should be filled.
* The Security Question information

The Security Question information is needed when Owner lost their Password. This information consists of two items described as below.

1. Selected Question
2. Answer
   * All items are compulsory demanded.
   * Some questions which are difficult to answer for anyone else are prepared in advance.

E.g. which color do you like most?

* + A question should be selected from options by the Owner, and the Answer is registered by the Owner.
* Login information should be entered on one screen, and then Owner information and Security Question information should be entered on another screen.

### 2.2.2 Login Process

* Bike and car rental portal System always compels user authentication before using itself except when a new account is successfully created.
* The user authentication demands UserID and Password. The UserID and the Password should be checked in three ways.
  + First, The UserID and the Password should be existed and correct.
* If The UserID and the Password are not equal to what the user has registered, the user authentication cannot be provided.
  + Second, the User Type linked to the UserID should be "Owner".
* When the User Type is "Owner", then user can be placed on “Farmer Home”.
  + Finally, UserID should be available.
* The Administrator can decide whether the UserID is available or suspended – Refer to the SRS of the Admin part.
* If Owner is rejected, user authentication is not provided for system user.
* The Owner account should alive for so long as the duration decided by Admin.
* Only when the three checks are successfully completed, Owner can be placed on respected page.
* The “Owner Home” provides the some items described as below.

1. A trigger to logout
2. A trigger to update Account
3. A trigger to Change Password
4. A trigger to Search Vehicle
5. A trigger to Publish Vehicle for rent
6. A trigger to Update Vehicle Information
7. A trigger to Delete Vehicle

### 2.2.3 Forgot Password Process

* When system user lost their Password, the recovery method should be provided by e-Protal system.

The recovery method is described as below.

* + First, system user enters their UserID for portal System.
  + Next, portal System demands the Answer which has been registered since when the Account was created.
  + Only when the Answer is correct, farmer get the new password by E-mail which also has been registered since when the Account was created.
  + Then the Owner has to set new password.
* Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
* If the Answer is not correct, otherwise, the correct Answer is demanded for user again.
  + In that case, Of course, Owner couldn’t get the new password.

### 2.2.4 Change Password Process

* When Owner wants to change their Password, the measure should be provided by bike and car rental portal system.
* Therefore bike and car rental portal system should provide the function which is available after getting the owner authentication.
* The function demands the current password and the new password.
  + Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
  + The current password and the new password are masked by using dummy characters.
  + The new password is demanded to enter twice to avoid a typing error.
* Only when the current password is correct, owner could change their Password.
* When the current password is changed into new password, bike and car rental portal system compels user authentication again.

### 2.2.5 Update Account Process

* Bike and car rental portal should provide the function which makes the account updated for owner.
* The information owner could update is described below.

1. Login information
2. User information
3. Security Question Information

* The Login information

The updatable items as described below.

1. First Name
2. **Last Name**
3. E-mail address
   * All items are compulsory demanded, but updating is optional.

* The User information

The updatable items as described below.

1. User Name
2. User Phone No
3. E-mail address
4. Permanent address
   * All items are compulsory demanded, but updating is optional.

* The Security Question information

The updatable items as described below.

1. Selected Question
2. Answer

All items are compulsory demanded, but updating is optional.

**2.2.6 Add Vehicle For Rental**

The owner can list a new vehicle on the platform by providing necessary details and uploading images.

**Steps**:

1. Navigate to the 'Add Vehicle' section.
2. Enter vehicle details: make, model, year, color, registration number, and rental price.
3. Select availability dates and times.
4. Upload clear images of the vehicle.
5. Submit the information for review and approval by the admin.

**2.2.7 Update Vehicle Information**

his functionality allows owners to modify the details of the vehicles they have listed for rental.

**Key Features**:

* **Change Rental Price**: Owners can adjust the rental fee to reflect market changes or special promotions.
* **Update Availability Status**: Owners can change the dates and times the vehicle is available for rent, ensuring accurate booking options for customers.
* **Modify Vehicle Description**: Owners can edit the vehicle's description to provide more accurate or updated information about the vehicle.
* **Add or Remove Photos**: Owners can upload new images of the vehicle or remove outdated ones to keep the listing attractive and current.

**Steps**:

1. Navigate to the 'Manage Vehicles' section.
2. Select the vehicle to update.
3. Edit the necessary fields: price, availability, description, and photos.
4. Save changes to update the listing.

This ensures that vehicle information remains accurate and appealing to potential renters.

**2.2.8 Delete Vehicle**

This functionality allows owners to remove a vehicle from the rental portal if they no longer wish to rent it out.

**Key Features**:

* **Remove Listing**: The vehicle is completely removed from the portal, making it invisible to potential customers.
* **Confirmation Prompt**: A confirmation step to prevent accidental deletions.
* **Record Keeping**: The system keeps a record of deleted vehicles for administrative purposes or future reference.

**Steps**:

1. Navigate to the 'Manage Vehicles' section.
2. Select the vehicle to delete.
3. Click on the 'Delete' option.
4. Confirm the deletion when prompted.

This ensures the vehicle is no longer available for booking, maintaining an up-to-date and accurate listing of rentable vehicles.

**2.2.9 View Bookings**

This functionality allows owners to access a comprehensive list of all bookings made for their vehicles. It provides essential details about each booking, enabling owners to manage their rentals efficiently.

**Key Features**:

* **Booking List**: Displays a list of all current, past, and future bookings.
* **Booking Details**: For each booking, detailed information is available, including:
* **Booking Dates**: The start and end dates of the rental period.
* **Customer Information**: Details about the customer who made the booking, such as name, contact information, and possibly their rental history.
* **Booking Status**: The current status of the booking, such as pending, confirmed, completed, or canceled.
* **Sorting and Filtering**: Allows owners to sort and filter bookings based on various criteria such as date, status, and vehicle type.
* **Search Functionality**: Enables quick searches for specific bookings using keywords or customer names.
* **Booking Actions**: Provides options to take actions on bookings directly from the list, such as confirming or rejecting a pending booking.

**Steps**:

1. **Access Bookings Section**: Owners navigate to the 'View Bookings' section from their dashboard.
2. **View Booking List**: A list of all bookings is displayed, showing key details at a glance.
3. **Select a Booking**: Owners can click on any booking to view more detailed information.
4. **Review Details**: Owners can see all relevant details, including booking dates, customer information, and status.
5. **Take Actions**: For pending bookings, owners can confirm or reject the booking directly from this view. They can also update the booking status as needed.

**Detailed Example**:

1. **Access Bookings Section**:
   * Navigate to the 'Manage Bookings' or 'View Bookings' section from the owner's dashboard.
2. **View Booking List**:
   * The owner sees a list of bookings, each entry showing:
     + Vehicle Name/Model
     + Booking Start Date
     + Booking End Date
     + Customer Name
     + Booking Status (e.g., Pending, Confirmed, Completed, Canceled)
3. **Select a Booking**:
   * The owner clicks on a specific booking to view more detailed information.
4. **Review Details**:
   * Detailed information for the selected booking includes:
     + Vehicle Information: Details about the vehicle booked.
     + Customer Information: Name, contact number, email, and rental history.
     + Booking Period: Exact start and end dates and times.
     + Payment Information: Amount paid, payment status, and payment method.
     + Booking Status: Current status (e.g., Pending, Confirmed).
5. **Take Actions**:
   * **Confirm Booking**: If the booking is pending, the owner can confirm it, changing the status to 'Confirmed' and notifying the customer.
   * **Reject Booking**: If the booking needs to be rejected, the owner can do so, changing the status to 'Rejected' and notifying the customer.
   * **Update Booking**: For ongoing bookings, owners can update the status to 'Completed' after the rental period ends.

By providing a detailed view and management options for all bookings, this functionality ensures that owners can efficiently handle their vehicle rentals and provide a smooth experience for customers.

**2.2.10 Confirm Booking**

This functionality allows owners to confirm a booking request made by a customer. Once a booking is confirmed, the customer is notified, and the vehicle is reserved for the specified rental period. This step is crucial for ensuring the availability and proper management of rental vehicles.

**Key Features**:

* **Review Booking Request**: Owners can review the details of the booking request before confirming.
* **Customer Notification**: Upon confirmation, the customer receives a notification confirming their booking.
* **Update Booking Status**: The booking status is updated from 'Pending' to 'Confirmed'.
* **Availability Management**: The vehicle's availability is updated to reflect the confirmed booking dates.
* **Payment Processing**: Ensure that the payment (if required upfront) is processed or verified.

Steps:

1. **Access Booking Requests**: Owners navigate to the 'View Bookings' or 'Booking Requests' section from their dashboard.
2. **Select a Pending Booking**: From the list of pending bookings, the owner selects the booking they wish to confirm.
3. **Review Booking Details**: The owner reviews the booking details, including:
   * Customer information (name, contact details)
   * Vehicle details (make, model, registration number)
   * Rental period (start and end dates)
   * Payment information (amount, payment status)
4. **Confirm the Booking**:
   * The owner clicks on the 'Confirm Booking' button.
   * A confirmation dialog may appear to ensure the owner wants to proceed with the confirmation.
5. **Update System Records**: The booking status is updated to 'Confirmed' in the system.
6. **Notify the Customer**: The system sends a confirmation notification to the customer via email, SMS, or in-app notification.
7. **Update Availability**: The vehicle's availability calendar is updated to reflect the booked dates, preventing double bookings.

**2.2.11 Reject Booking**

This functionality allows owners to confirm a booking request made by a customer. Once a booking is confirmed, the customer is notified, and the vehicle is reserved for the specified rental period. This step is crucial for ensuring the availability and proper management of rental vehicles.

**Key Features**:

* **Review Booking Request**: Owners can review the details of the booking request before confirming.
* **Customer Notification**: Upon confirmation, the customer receives a notification confirming their booking.
* **Update Booking Status**: The booking status is updated from 'Pending' to 'Confirmed'.
* **Availability Management**: The vehicle's availability is updated to reflect the confirmed booking dates.
* **Payment Processing**: Ensure that the payment (if required upfront) is processed or verified.

**Steps**:

1. **Access Booking Requests**: Owners navigate to the 'View Bookings' or 'Booking Requests' section from their dashboard.
2. **Select a Pending Booking**: From the list of pending bookings, the owner selects the booking they wish to confirm.
3. **Review Booking Details**: The owner reviews the booking details, including:
   * Customer information (name, contact details)
   * Vehicle details (make, model, registration number)
   * Rental period (start and end dates)
   * Payment information (amount, payment status)
4. **Confirm the Booking**:
   * The owner clicks on the 'Confirm Booking' button.
   * A confirmation dialog may appear to ensure the owner wants to proceed with the confirmation.
5. **Update System Records**: The booking status is updated to 'Confirmed' in the system.
6. **Notify the Customer**: The system sends a confirmation notification to the customer via email, SMS, or in-app notification.
7. **Update Availability**: The vehicle's availability calendar is updated to reflect the booked dates, preventing double bookings.

**2.2.12 View Payment History**

This functionality allows owners to access a comprehensive record of all payments they have received through the rental portal. It provides detailed information on each transaction, helping owners manage their finances, track earnings, and reconcile accounts.

**Key Features**:

* **Comprehensive Payment List**: Displays all payments received, including details such as date, amount, booking reference, and payment method.
* **Filter and Search**: Allows owners to filter and search the payment history based on various criteria like date range, amount, customer name, or booking reference.
* **Detailed Payment Information**: For each payment, detailed information is available, including:
  + Booking details (vehicle, rental period)
  + Customer details (name, contact information)
  + Payment status (completed, pending, refunded)
  + Transaction ID and payment method
* **Export and Download**: Owners can export and download payment history for record-keeping or further analysis.
* **Dispute Management**: Provides an interface to handle disputes or discrepancies in payments.

**Steps**:

1. **Access Payment History**: Owners navigate to the 'Payment History' section from their dashboard.
2. **View Comprehensive List**: A list of all payments received is displayed, showing key details at a glance.
3. **Filter and Search**: Owners can apply filters or search the payment history to find specific transactions.
4. **Select a Payment**: Owners can click on any payment to view more detailed information.
5. **Review Detailed Information**: Detailed information for the selected payment is displayed, including booking and customer details.
6. **Export and Download**: Owners can export the payment history to a CSV or Excel file for further analysis or record-keeping.
7. **Handle Disputes**: Owners can use this interface to manage and resolve any payment disputes or discrepancies.

**2.2.13 Receive Payments**

his functionality ensures that owners receive payments for the rentals of their vehicles. It covers the entire process of payment collection, verification, and disbursement to the owner's account. This is a crucial part of the rental portal as it directly affects the owners' revenue.

**Key Features**:

* **Payment Processing**: Ensures that payments made by customers are processed securely.
* **Payment Methods**: Supports multiple payment methods such as credit/debit cards, bank transfers, and digital wallets.
* **Payment Verification**: Confirms that the payment is received and valid before the rental period begins.
* **Disbursement to Owners**: Transfers the received payments to the owner's bank account or preferred payment method.
* **Payment Notifications**: Notifies owners of successful payments.
* **Transaction Records**: Keeps detailed records of all transactions for auditing and reconciliation purposes.
* **Fee Management**: Calculates and deducts any applicable service fees or commissions before disbursement.

**Steps**:

1. **Customer Makes a Payment**: The customer pays for the rental during the booking process.
2. **Payment Processing**: The system processes the payment using secure payment gateways.
3. **Payment Verification**: The payment is verified to ensure it has been successfully processed.
4. **Notification to Owner**: The owner is notified of the successful payment.
5. **Disbursement of Funds**: The system transfers the funds to the owner's account, minus any applicable fees.
6. **Record Keeping**: The transaction is recorded in the system for future reference and auditing.

Owner Module

**2.3Admin Module**

**•** Administratorshould be responsible for following activities**,**

**2.3.1 Login Process**

* Bike and Car Rental System always compels user authentication before using itself except when a new account is successfully created.
* The user authentication demands UserID and Password. The UserID and the Password should be checked in three ways.
* First, The UserID and the Password should be existed and correct.
* If The UserID and the Password are not equal to what the admin has registered, the Admin authentication cannot be provided.
* Second, the User Type linked to the UserID should be "Admin".

When the User Type is "Admin", user can be placed on “Admin Home”.

* Finally, UserID should be available.
* The Administrator can decide whether the UserID is available or suspended.
* If user is rejected, user authentication is not provided for system user.
* The Admin account should alive for so long as the duration decided by Admin.
* Only when the three checks are successfully completed, Admin can be placed on respected page.
* The “Admin Home” provides the some items described as below.
* A trigger to login
* A trigger to view Account
* A trigger to Change Password
* A trigger to update account process
* A trigger to list Vehicles
* A trigger to view transactions
* A trigger to disable accounts
* A trigger to view feedback

**2.3.2 Forgot Password Process**

* When Admin lost their Password, the recovery method should be provided by Bike and Car Rental System.

The recovery method is described as below.

* First, Admin enters their UserID for Bike and Car Rental System.
* He will enter the E-mail id since when the Account was created.
* Only when the E-mail Id is correct, Admin get the new password by E-mail which also has been registered since when the Account was created.
* The new password is automatically generated by Bike and Car Rental System.
* Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
* As a consequence, The Admin could get the Admin authentication using the new password.
* Then, the Admin had better change the new password manually.

**2.3.3 Change Password Process**

* When Admin wants to change his Password, the measure should be provided by Bike and Car Rental System.
* Therefore, Bike and Car Rental System should provide the function which is available after getting the Admin authentication.
* The function demands the current password and the new password.
* Of course, the new password should consist of more than or equal 8 and less than or equal 16 characteristics including at least a numeric figure, a capital alphabet, a small alphabet, and a special character.
* The current password and the new password are masked by using dummy characters.
* The new password is demanded to enter twice to avoid a typing error.
* Only when the current password is correct, Admin could change his Password.
* When the current password is changed into new password, EBike and Car Rental System compels user authentication again.

**2.3.4 Update Account Process**

* Bike and Car Rental System should provide the function which makes the account updated for Admin.
* The information Admin could update is described below.
* Login information
* User information
* Security Question Information
* The Login information

The updatable items as described below.

* First Name
* Last Name
* E-mail address
* All items are compulsory demanded, but updating is optional.
* The User information

The updatable items as described below.

* User Name
* User Phone No
* E-mail address
* Permanent address
* All items are compulsory demanded, but updating is optional.
* The Security Question information

The updatable items as described below.

* Selected Question
* Answer
* All items are compulsory demanded, but updating is optional.

**2.3.5 View Accounts Process**

**Access Accounts**

* Navigate to the "View Accounts" section from the Admin Home.
* View a list of all user accounts, including both customers and vehicle owners.
* Account Details
* Account Information: View detailed information about each account, including UserID, User Type, registration date, and account status (active or suspended).
* Manage Accounts
* Update Information: Admins can update user information as necessary.
* Suspend/Activate Accounts: Admins can suspend or reactivate user accounts based on activity and compliance**.**

**2.3.6 View Feedback Process**

Access Feedback Section

* + Navigate to the "View Feedback" section from the Admin Home.
  + Feedback Overview
  + View a comprehensive list of feedback submitted by customers and vehicle owners.
  + Feedback includes ratings and comments.
  + Manage Feedback
  + Respond to Feedback: Admins can respond to feedback if required.
  + Filter Feedback: Sort feedback by date, rating, or user to manage and address issues efficiently.

**2.3.7 Disable Account process**

Access Disable Account Section

* Navigate to the "Disable Account" section from the Admin Home.
* Select Account
* Search and select the account to be disabled using UserID or other identifying information.
* Disable Process
* Confirmation: Admin must confirm the action to disable the account.
* Outcome: The selected account is marked as suspended and the user is notified.

**2.3.8 Create Brand Process**

Access Create Brand Section

* Navigate to the "Create Brand" section from the Admin Home.
* Brand Details
* Input Fields: Enter the brand name, description, and upload a logo.
* Category Assignment: Assign the brand to relevant vehicle categories (e.g., bikes, cars).
* Creation Process
* Validation: Ensure all required fields are correctly filled.
* Confirmation: Admin confirms and creates the brand.
* Outcome: The new brand is added to the system and becomes available for use by vehicle owners when listing their vehicles.

**2.3.9 View Transaction Process**

Access Transactions Section

* + - Navigate to the "View Transactions" section from the Admin Home.
    - Transaction Overview
    - Transaction List: View a list of all transactions, including booking payments, refunds, and other financial activities.
    - Details: Each transaction entry includes the transaction ID, date, amount, user involved, and status.
    - Manage Transaction
    - Filter and Search: Admins can filter transactions by date, amount, user, or status to locate specific transactions.
    - Export Data: Transactions can be exported to a spreadsheet for detailed analysis and record-keeping.
* **Record Generation**

• Admin should able to see all the records from any users.

• Daily report of enrolment to admin.

• Monthly report of enrolment as per the states to admin.

* **Accounts Management**

• Admin should able to manage all the accounts with following activities,

1. Enable accounts

2. Disable accounts

* **Use Case Diagram**

**Admin:**

Admin Module

*Fig. Use case diagram for admin*

* In Admin use case diagram Admin is the Actor.
* Admin can handle following use cases:
* Login
* Report Generation
* Controls account