



**BOOK MY VANDI**  
**CAR RENTAL MANAGEMENT SYSTEM**



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# **BOOK MY VANDI**

## **USER MANUAL**

### **Overview :**

Book My Vandi is a fully functional Car Rental System developed in Java Swing with a local SQLite database.

It provides a professional, modern interface and supports secure login for both Users and Sellers (Renters).

The system allows users to browse cars, make bookings, and track approval status, while sellers manage their cars and approve rental requests.

### **System Requirements :**

- Operating System: Windows 10 or later
- Java Runtime: JDK 8 or above
- Database: SQLite (auto-created as carrental.db)
- RAM: Minimum 2 GB (4 GB recommended)
- Storage: 200 MB of free disk space

### **Welcome Screen :**

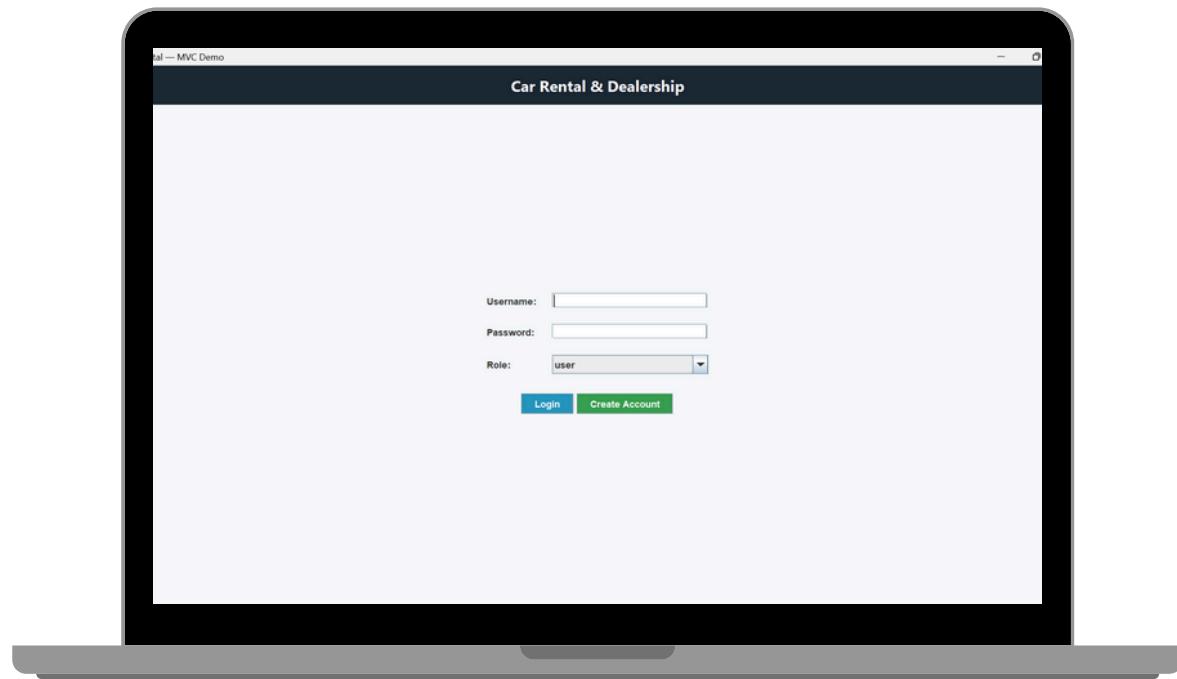
**Purpose :** Entry point for login and account creation.

### **Steps :**

1. Launch the application.
2. The title bar will show "Car Rental System."
3. The login screen appears with options to log in as a User or Seller (Renter).
4. If you don't have an account, click Create Account to sign up as a Seller.

### **Tips :**

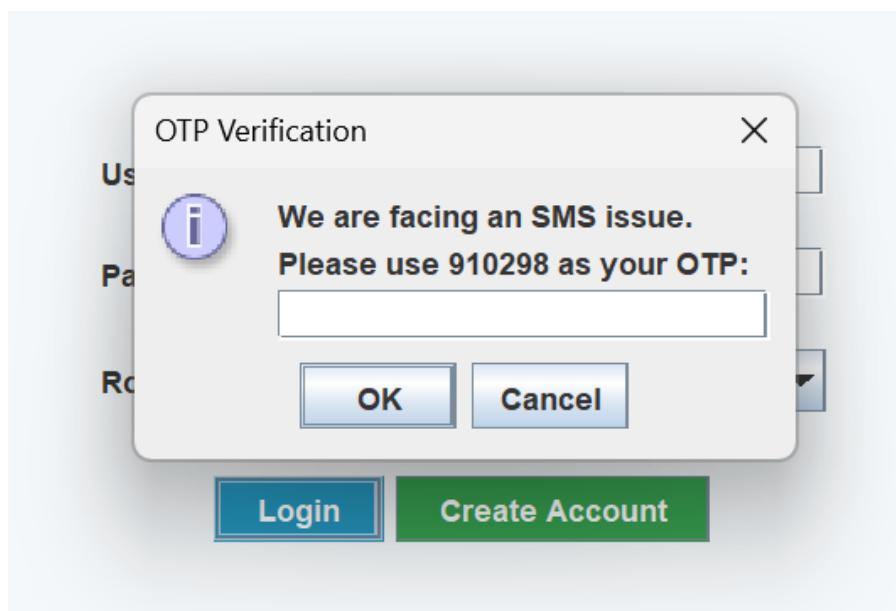
- The application automatically connects to the local database.
- A slight delay on startup is normal.



## Authentication (Login & Sign Up)

### Login :

1. Enter your Username and Password.
2. Choose your Role → User or Seller.
3. Click Login.
4. Enter the verification code when prompted.
5. Use OTP: 910298
6. On successful verification, your personalized Dashboard opens.





### **Sign Up (Renter/Seller Account) :**

1. Click Create Account.
2. Enter the following details:
  - Username
  - Password
  - Role: Choose User or Seller
  - Contact Number
3. Click OK to register.
4. A success message will confirm your registration.

**Create Account**

<b>Username:</b>	<input type="text" value="Joe"/>
<b>Password:</b>	<input type="password" value="....."/>
<b>Role:</b>	<input type="text" value="user"/>
<b>Contact:</b>	<input type="text" value="8281251299"/>
<b>OK</b> <b>Cancel</b>	

### **Password & Role Tips**

- Passwords are masked ( • • • ) for security.
- Use Show to view them if needed.
- Each role has its own dashboard and permissions.

<b>Username:</b>	<input type="text" value="alwin"/>
<b>Password:</b>	<input type="password" value="....."/>
<b>Role:</b>	<input type="text" value="user"/>
<b>user</b>	
<b>seller</b>	
<b>admin</b>	
<b>Log In</b>	



## Troubleshooting

- If fields are left empty:
  - Message: “Enter credentials”
  - Solution: Fill in all fields before logging in.

The screenshot shows a login form with three fields: Username, Password, and Role. The Password field is empty. A modal window titled "Validation" displays a warning icon and the message "Enter credentials." with an "OK" button. Below the form are two buttons: "Login" and "Create Account".

- If wrong details or role are entered:
  - Message: “Invalid credentials or role”
  - Solution: Check role and credentials, then retry.

The screenshot shows a login form with three fields: Username, Password, and Role. The Password field contains placeholder dots. A modal window titled "Login Failed" displays an error icon and the message "Invalid credentials or role." with an "OK" button. Below the form are two buttons: "Login" and "Create Account".

- If OTP is incorrect:
  - Message: “Invalid OTP! Login failed”
  - Solution: Enter 910298 when prompted.

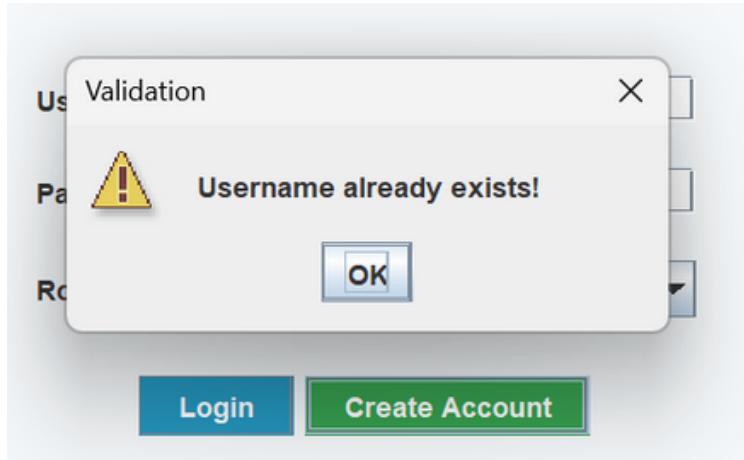
The screenshot shows a login form with three fields: Username, Password, and Role. A modal window titled "Login Failed" displays an error icon and the message "Invalid OTP! Login failed." with an "OK" button. Below the form are two buttons: "Login" and "Create Account".



- If username already exists during registration:

→ Message: “Username already exists!”

→ Solution: Use a different username.



## Dashboard

After login, you will reach your Dashboard, which adapts automatically based on your selected role — User, Seller (Renter), or Admin.

The dashboard has a simple top bar showing “Dashboard” on the left and a Logout button on the right for safe exit.

### For User :

#### Tabs Available :

- Browse Cars — View and search available cars.
- My Bookings — View booking history and current statuses.

Car Model	Rating	Category	Price/day	Status
BMW X5 (X5)	★★★★★	SUV	₹7,000	Rented
Dodge Challenger (2023 SRT HELLCAT)	★★★★★	Sports / Muscle Car	₹12,000	Available
Rolls-Royce (Phantom 2023)	★★★★★	Ultra Luxury	₹35,000	Available
swift (2024)	★★★★★	hatchback	₹2,500	Rented



## Functions :

1. Click Book under a desired car to open the booking dialog.
2. Fill in pickup details:
  - Pickup place
  - Pickup date
  - Time
  - Duration (in days)
3. Confirm the booking — it will appear as Pending until the Seller approves it.

Book Car: Rolls-Royce (Phantom 2023)

<b>Vehicle Details</b>  Category: Ultra Luxury Price/Day: ₹35,000 Fuel: Petrol Seats: 4 Transmission: Automatic	<b>Booking Information</b> Pickup Location: <input type="text" value="Poonjar"/> Pickup Date (dd/MM/yyyy): <input type="text" value="29/10/2025"/> Pickup Time (HH:mm): <input type="text" value="06:50"/> No. of Days: <input type="text" value="1"/> Total Price: ₹35,000 <input type="button" value="Confirm Booking"/>
---	--

4. You can view all your bookings under My Bookings with color-coded status indicators:
  - Confirmed — Booking approved by the Seller.
  - Pending — Waiting for Seller approval.
  - Rejected — Booking declined by the Seller.

Car Rental — MVC Demo

Dashboard Logout

My Booking History							
Booking ID	Car	Days	Status	Pickup Place	Date	Time	Total Price (₹)
B004	BMW X5 (X5)	4	Confirmed	Sedan Rent	25/10/2025	20:01	₹14,000
B005	Dodge Challenger (2023 ...	1	Pending	Sedan Rent	25/10/2025	20:04	₹3,200
B36963	swift (2024)	3	Confirmed	Palai	28/10/2025	13:46	₹7,500
B44840	Rolls-Royce (Phantom 2023)	1	Pending	Ultra Luxury Rent Location	28/10/2025	13:49	₹35,000



## For Seller (Renter)

### Tabs Available :

- Browse Cars — View the marketplace inventory.
- My Inventory — Manage your own cars.
- Car Bookings — View and manage all bookings for your vehicles.

ID	Name	Model	Price/Day	Status	Fuel	Seats	Transmission
C003	Rolls-Royce	Phantom 2023	35000.0	Available	Petrol	4	Automatic

### Functions :

#### 1. My Inventory:

- Add, Edit, or Delete your cars.
- Upload images in JPG or PNG format.
- Each car card displays price, model, and availability status (Available / Rented).

ID	Name	Model	Price/Day	Status	Fuel	Seats	Transmission
C003	Rolls-Royce	Phantom 2023	35000.0	Available	Petrol	4	Automatic



## 2. Car Bookings:

- Review booking requests for your vehicles.
- Approve → Booking status changes to Confirmed, and car becomes Rented.
- Reject → Booking status changes to Rejected, and car remains Available.

Booking ID	Car ID	Status	Buyer	Buyer Contact	Date	Time	Days	Total Price (₹)
B007	C003	Confirmed	febin	+91-8281251299	25/10/2025	20:18	4	₹28,000
B44840	C003	Pending	alwin	+91-8281251299	28/10/2025	13:49	1	₹35,000

[Logout](#)

[Approve](#) [Reject](#)

## For Admin

### Tabs Available :

- Browse Cars — View all vehicles listed in the system.
- Manage Cars — Add, edit, or delete car entries globally.
- Users — View all registered users and their roles.
- All Bookings — Monitor every booking record in the system.

Car Inventory			
<p><b>BMW X5 (X5)</b> ★★★★★ Seats: 5   Fuel: Diesel   Transmission:... Category: SUV Price/day: ₹7,000 <b>Status: Rented</b> Owner: seller@demo</p>	<p><b>Dodge Challenger (2023 SRT Hellcat Redeye)</b> ★★★★★ Seats: 4   Fuel: Petrol   Transmission:... Category: Sports / Muscle Car Price/day: ₹12,000 <b>Status: Available</b> Owner: Platthottam</p>	<p><b>Rolls-Royce (Phantom 2023)</b> ★★★★★ Seats: 4   Fuel: Petrol   Transmission:... Category: Ultra Luxury Price/day: ₹35,000 <b>Status: Available</b> Owner: Boby Chemmanur</p>	<p><b>swift (2024)</b> ★★★★★ Seats: 5   Fuel: petrol   Transmission:... Category: hatchback Price/day: ₹2,500 <b>Status: Rented</b> Owner: sarju</p>

[Logout](#)



## **Functions :**

- Manage all car listings (including those added by Sellers).
- Oversee user accounts and update records if required.
- Review all booking activities (view-only mode for approval status).

# **BOOKING PROCESS**

## **Steps for Users**

1. Open the Browse Cars tab.
2. Select a desired car and click Book.
3. The Booking Window will display:
  - Car image and details
  - Input fields for:
    - Pickup location
    - Pickup date and time
    - Number of days
  - Auto-calculated Total Price (₹ rate per day × number of days).

Book Car: Rolls-Royce (Phantom 2023)

**Vehicle Details**



Category: Ultra Luxury

Price/Day: ₹35,000

Fuel: Petrol

Seats: 4

Transmission: Automatic

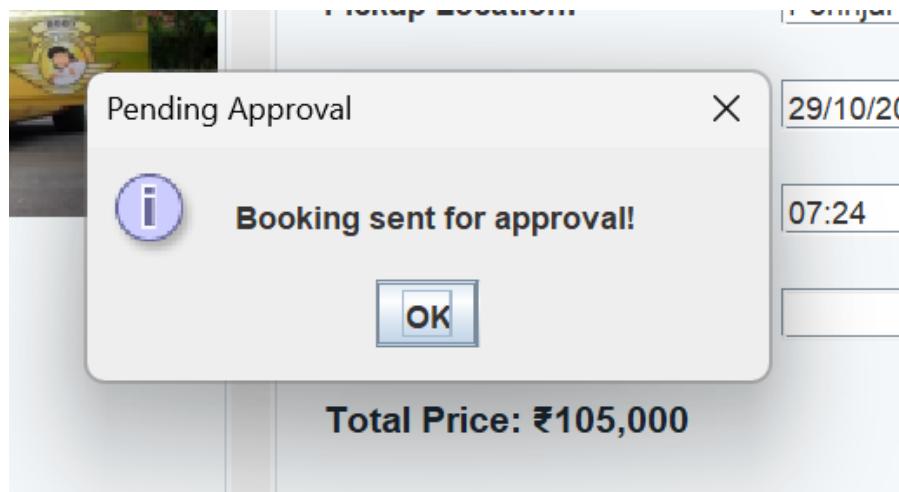
**Booking Information**

Pickup Location:	<input type="text" value="Poonjar"/>
Pickup Date (dd/MM/yyyy):	<input type="text" value="29/10/2025"/>
Pickup Time (HH:mm):	<input type="text" value="07:23"/>
No. of Days:	<input type="text" value="3"/> <input type="button" value="▼"/>
<b>Total Price: ₹105,000</b>	

**Confirm Booking**



4. Click Confirm Booking to finalize.
5. The booking appears as Pending, and a confirmation message shows:  
“Booking sent for approval!”

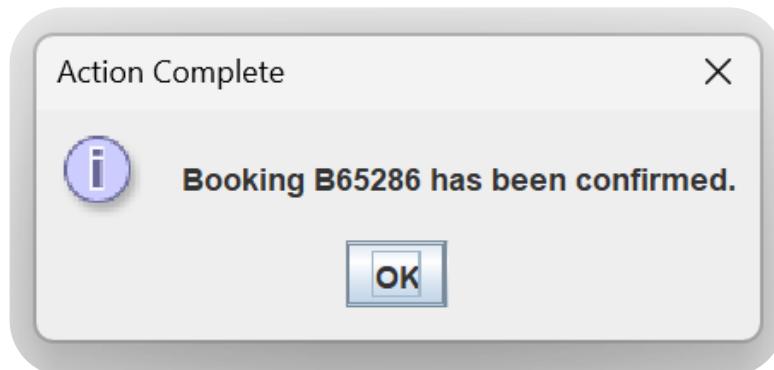


## Booking Approval (Seller & Admin)

### Seller Actions:

- Approve → Status changes to Confirmed, and the car is marked as Rented.
- Reject → Status changes to Rejected, and the car remains Available.

Booking ID	Car ID	Status	Buyer	Buyer Contact	Date	Time	Days	Total Price (₹)
B007	C003	Confirmed	febin	+91-8281251299	25/10/2025	20:18	4	₹28,000
B44840	C003	Pending	alwin	+91-8281251299	28/10/2025	13:49	1	₹35,000
B65286	C003	Pending	alwin	+91-8281251299	29/10/2025	07:24	3	₹105,000



### Admin View:

- Admin can view all bookings but cannot **approve or reject** them.

### Steps for Users

Status	Meaning	Color
Confirmed	Booking accepted	Green
Pending	Awaiting seller approval	Orange
Rejected	Booking declined	Red

### Profile & Logout

- Click Logout anytime to safely return to the login screen.
- Profile management (contact details or password changes) is available within your dashboard based on role.



## **FAQs:**

**Q1.** Can I log in without selecting a role?

→ No. You must choose User, Seller, or Admin before logging in.

**Q2.** What is the OTP during login?

→ Use 910298 (demo code).

**Q3.** Who can create new accounts?

→ Only Users and Sellers can register. Admins are pre-created.

**Q4.** How are bookings approved?

→ Sellers review and approve/reject from their Car Bookings tab.

**Q5.** Where is my data stored?

→ Data is stored in the local SQLite database file (carrental.db) in the program directory.

## **Support & Feedback**

For assistance, contact your **project team** or **instructor**.

Keep your **Book My Vandi** (Car Rental System) updated for better performance and stability.



**Car Booking System - Extended Test Case Report (Admin/Seller Focus)**

Test Case ID	Test Scenario	Test Steps / Inputs	Expected Result	Actual Result	Status (Pass/Fail)
TC01	User Login	Enter valid username, password, role=user → click Login	User successfully logs in	As expected	Pass
TC02	Invalid Login	Enter incorrect password	Error: Invalid credentials	As expected	Pass
TC03	User Signup	Enter valid details in signup form → click Create	Account created successfully	As expected	Pass
TC04	Duplicate Username Signup	Try creating account with existing username	Validation: Username already exists	As expected	Pass
TC05	Browse Cars	Login as user → navigate to Browse Cars tab	Car cards with details display	As expected	Pass
TC06	Search Car	Type keyword 'BMW' in search box	Filtered list shows only BMW cars	As expected	Pass
TC07	Book a Car	Select car → click Book → enter details → Confirm	Booking saved with Pending status	As expected	Pass
TC08	View My Bookings	User opens 'My Bookings' tab	Displays all previous bookings with status	As expected	Pass
TC09	Seller Login	Login as seller	Seller dashboard loads successfully	As expected	Pass
TC10	Add New Car	Seller clicks 'Add Car' → enters details → Save	Car added to database and visible	As expected	Pass
TC11	Edit Car Details	Select car → click Edit → modify price → Save	Car record updated successfully	As expected	Pass
TC12	Delete Car	Select car →	Car record	As expected	Pass

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		click Delete → confirm	removed from DB		
TC13	Admin Login	Login as admin	Admin dashboard loads successfully	As expected	Pass
TC14	View All Users	Admin opens Users tab	Displays all registered users	As expected	Pass
TC15	Add Booking (User)	User books car with correct details	Booking created under Pending	As expected	Pass
TC16	View All Bookings (Admin)	Admin opens All Bookings tab	Displays all bookings from DB	As expected	Pass
TC17	Approve Booking (Seller)	Seller selects Pending booking → clicks Approve	Booking status updated to Confirmed; car marked Rented	As expected	Pass
TC18	Reject Booking (Seller)	Seller selects Pending booking → clicks Reject	Booking marked Rejected; car remains Available	As expected	Pass
TC19	Delete User (Admin)	Admin removes unwanted user	User deleted successfully	As expected	Pass
TC20	Add Duplicate Car (Seller)	Seller tries adding same car twice	Validation prevents duplicate ID insertion	As expected	Pass
TC21	Edit Car of Another Seller	Seller tries editing another seller's car	Error: Permission Denied	As expected	Pass
TC22	View Seller Bookings	Seller opens Car Bookings tab	Displays only bookings for seller's cars	As expected	Pass
TC23	Pending Booking Alert	Seller logs in with pending requests	Popup alert showing number of pending bookings	As expected	Pass
TC24	Change Car Status (Seller)	Seller edits car → change status to Rented	Car status updated successfully	As expected	Pass
TC25	Add Invalid Price	Seller adds car with non-	Error: Invalid input	As expected	Pass



		numeric price	message displayed		
TC26	Admin Views All Cars	Admin opens Manage Cars tab	Displays all cars from DB	As expected	Pass
TC27	Admin Updates Car Info	Admin edits car → update category	Car updated in DB	As expected	Pass
TC28	Admin Deletes Car	Admin deletes car entry	Car removed from database	As expected	Pass
TC29	Admin Reviews All Bookings	Admin navigates to All Bookings tab	Shows confirmed, rejected, and pending bookings	As expected	Pass
TC30	Database Failure Handling	Simulate missing DB file → launch app	Error message shown: Database Initialization Failed	As expected	Pass
TC31	Logout Functionality	Click Logout button	Returns to login screen successfully	As expected	Pass