

test document

Vehicle Sales Management System (VSMS)

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Feature Summary

The Vehicle Sales Management System includes the following core features:

User Registration and Login:

- Users can register with an email and password.
- Login options include password-based authentication and OTP via Gmail.

Product Management:

- Admins can add, edit, and delete products from the inventory.
- Customers can search and filter products by various parameters.

Shopping Cart:

- Customers can add products to the cart, update quantities, and proceed to checkout.

Payment Options:

- Customers can pay using UPI services like Google Pay and PhonePe.
- Secure payment processing ensures a seamless transaction experience.

Contact Support:

- Customers can contact admin and customer care through WhatsApp integration.

Voice Recognition:

- Users can perform voice-based product searches for a hands-free experience.

Test Cases Summary

ID	Test Title	Purpose
TC001	Customer Registration	Test user registration with valid/invalid data
TC002	Product Search and Filter	Verify the search and filter functionality
TC003	Add Product to Cart	Test adding a product to the shopping cart
TC004	Admin Login	Validate admin login with valid/invalid data
TC005	Admin Add New Product	Verify adding a new product in the dashboard
TC006	Payment Process	Test end-to-end payment processing
TC007	Login with OTP via Gmail	Verify user login using OTP sent to Gmail
TC008	Payment via PhonePe	Test payment processing using the PhonePe app
TC009	Contact with Admin and Customer Care via WhatsApp	Validate contacting admin and customer care through WhatsApp

Detailed Test Cases

subsection*1. Customer Registration

ID: TC001

Title: Verify customer registration functionality

Preconditions: The customer is not logged in.

Steps:

1. Navigate to the homepage.
2. Click on "Sign Up".
3. Fill out all fields with valid data.
4. Click "Register".
5. Verify email and log in.

Expected Result:

- The user is registered successfully.
- The dashboard is displayed upon login.

Comments: Ensure validation for weak passwords or duplicate emails.

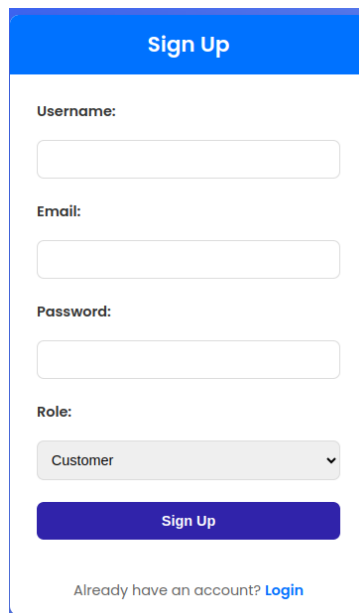


Figure 1: Customer Registration Process

2. Product Search and Filter

ID: TC002

Title: Validate product search and filter

Preconditions: User is logged in.

Steps:

1. Go to the product catalog page.
2. Enter keywords into the search bar.
3. Apply filters for categories, price range, etc.
4. Click "Search".

Expected Result:

- Relevant products are displayed as per the search and filters.
- Pagination works correctly.

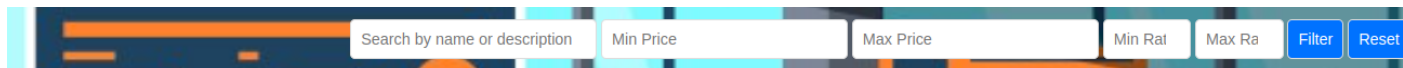


Figure 2: search and filter

3. Add Product to Cart

ID: TC003

Title: Test adding products to the cart

Preconditions: User is logged in and on the product listing page.

Steps:

1. Select a product.
2. Click "Add to Cart".
3. Open the cart page to verify.

Expected Result:

- The selected product is displayed in the cart.
- Quantity and price are updated correctly.

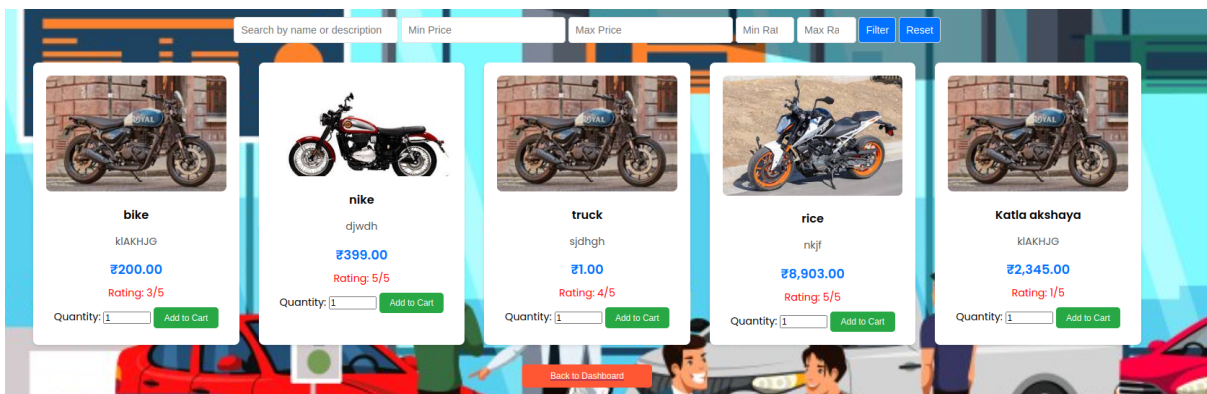


Figure 3: add cart

4. Admin Login

ID: TC004

Title: Validate admin login

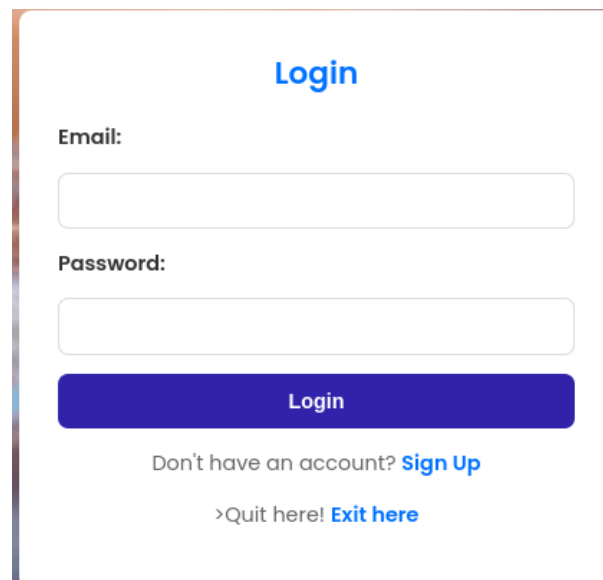
Preconditions: Admin credentials are available.

Steps:

1. Navigate to the admin login page.
2. Enter valid credentials and click "Login".

Expected Result:

- Admin dashboard is displayed for valid credentials.
- Proper error messages for invalid attempts.

A screenshot of a web form titled "Login" in blue text. Below the title are two input fields: "Email:" and "Password:". The "Email:" field is a white rectangle with a thin grey border. The "Password:" field is a white rectangle with a thin grey border. Below these fields is a blue button with the text "Login" in white. At the bottom of the form, there is a link "Don't have an account? Sign Up" and a link ">Quit here! Exit here".

Login

Email:

Password:

Login

Don't have an account? [Sign Up](#)

>Quit here! [Exit here](#)

Figure 4: adminlogin

5. Admin Add New Product

ID: TC005

Title: Verify adding new products in admin dashboard

Preconditions: Admin is logged in.

Steps:

1. Open the "Manage Products" section.
2. Click "Add New Product".
3. Enter product details and upload images.
4. Click "Save".

Product Name	Min Price	Max Price	Min Rating	Max Rating	Search	Reset
<div>Add New Product</div> <div>Back to Dashboard</div>						
ID	Name	Price	Description	Rating	Actions	
1	bike	₹200.00	klAKHJG	3 / 5	Edit	Delete
2	nike	₹399.00	djwdh	5 / 5	Edit	Delete
3	truck	₹1.00	sjdhgh	4 / 5	Edit	Delete
4	rice	₹8,903.00	nkjf	5 / 5	Edit	Delete
5	Katla akshaya	₹2,345.00	klAKHJG	1 / 5	Edit	Delete

Figure 5: admin add project

Expected Result:

- New product is added successfully and visible to customers.

6. Payment Process via UPI

ID: TC006

Title: Test end-to-end payment processing using UPI

Preconditions: User has UPI payment enabled (e.g., Google Pay, PhonePe).

Steps:

1. Navigate to the cart and click "Checkout".
2. Select "UPI" as the payment option.
3. Enter the UPI ID and confirm the payment.
4. Complete the transaction in the payment app.
5. Return to the website to view the order confirmation.

Expected Result:

- Payment is successfully processed via UPI.
- An order confirmation is displayed, and a receipt is sent to the user.

Comments: Test scenarios like incorrect UPI ID or insufficient balance.

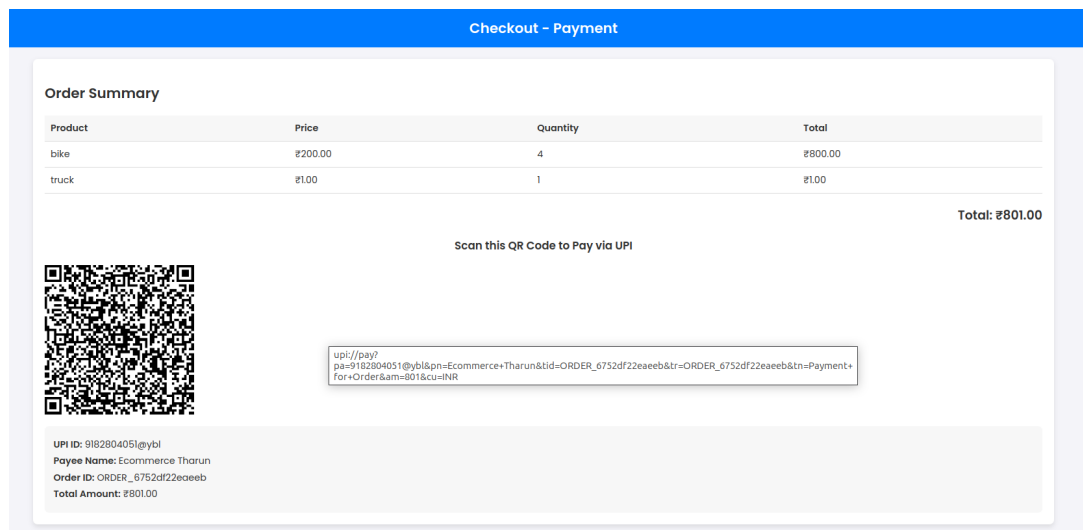


Figure 6: upi payment

7. Login with OTP via Gmail

ID: TC007

Title: Verify user login using OTP sent to Gmail

Preconditions: The user has a registered account with a valid email.

Steps:

1. Navigate to the login page.
2. Enter the registered email address and click "Request OTP".
3. Check the Gmail inbox for the OTP email.
4. Enter the received OTP on the login page.
5. Click "Login".

Expected Result:

- An OTP is sent to the registered Gmail address.
- The user successfully logs in after entering the correct OTP.

Comments: Ensure OTP expires after a certain duration.

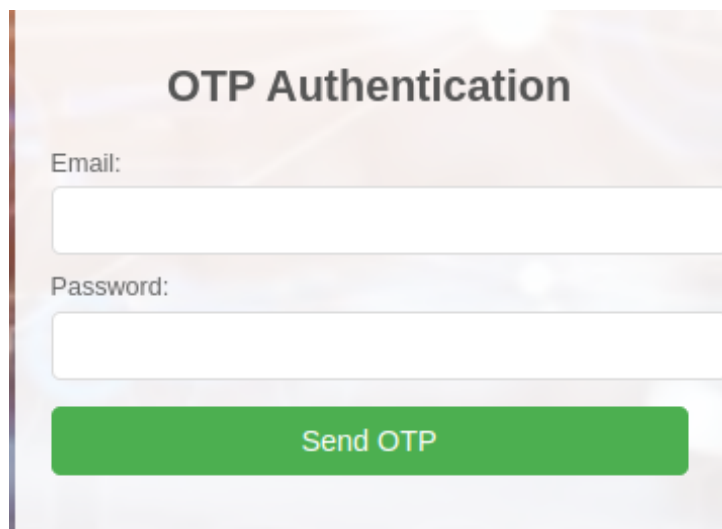
A screenshot of a web form titled "OTP Authentication". The form has a light beige background with a subtle pattern. It contains two input fields: "Email:" and "Password:". Below the "Password:" field is a green button with the text "Send OTP" in white. The form is framed by a thin blue border.

Figure 7: email otp

8. Contact with Admin and Customer Care via WhatsApp

ID: TC008

Title: Validate contacting admin and customer care through WhatsApp

Preconditions: The user is logged in and has WhatsApp installed.

Steps:

1. Navigate to the "Help" or "Contact Us" section.
2. Select "Contact Admin" or "Customer Care".
3. Click the "WhatsApp" button for the respective contact.
4. Verify that WhatsApp opens with a prefilled message.
5. Send the message and wait for a response.

Expected Result:

- WhatsApp opens with the correct contact and prefilled message.
- The admin or customer care responds within the specified time.

Comments: Ensure fallback options are available if WhatsApp is not installed.

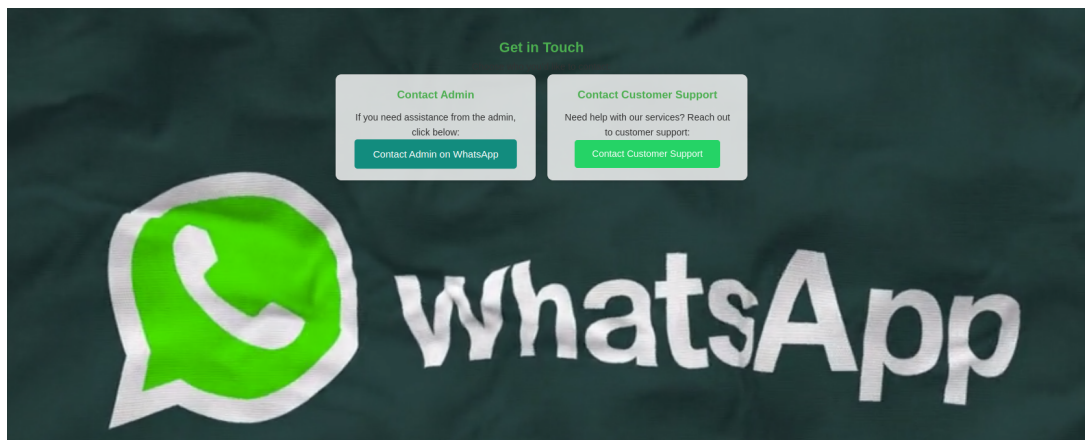


Figure 8: whatsapp

9. Voice Recognition for Search

ID: TC009

Title: Verify product search using voice recognition

Preconditions: The user is logged in and has microphone permissions enabled.

Steps:

1. Navigate to the product search page.
2. Click on the microphone icon for voice search.
3. Speak the product name or category clearly.
4. Wait for the results to be displayed.

Expected Result:

- Voice input is accurately recognized.
- Relevant search results are displayed based on the voice input.

Comments: Test with various accents and noisy environments.

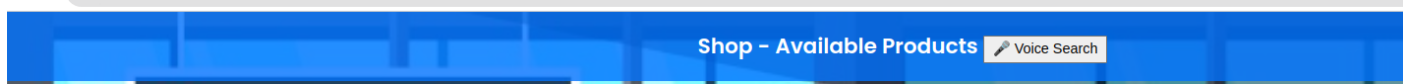


Figure 9: voice recognition