

AUTOMOBILE PAINTING MANAGEMENT WEBSITE

- SPLASH PAINTZONE

MINIPROJECT

Modules and Functionalities:

Guest Users:

- Guest users can visit website without creating an account or logging in.
- They can access the painting assessment and browse for the services

Customers:

1. User Registration and Login:
 - Create account of user using the name, phone number, email and the place.
 - Login using phone number and authentication using OTP.
2. Profile customization:
 - Customer can change the registration details and add the address for pick up services
3. Rating and Reviews:
 - The user can add the reviews and rating through the review button
4. Painting assessment:
 - The customer can upload the image and find the scratches to determine the painting is required or not with the details given by user.
 - Technique the scratch detection using the image processing.
5. Appointment Scheduling:
 - Customer can schedule an appointment for the services. Select the services and car model name is specified, select the mode of services i.e., the pick-up or drop-off services and color selection
 - Customer can view the order in the account profile and the status from the admin
 - Customer will receive message of confirmation
 - Reschedule and cancellation can also perform
6. Appointment status:
 - Customer can view the appointment of the service i.e., which painting to performed, mode of submission, price and status
7. Pick-up and Drop-off Service:
 - Offer pick-up and drop-off services for customers who may find it inconvenient to bring their vehicles to the workshop
8. Online payment:
 - If the services are satisfied and complete the payment can done through the site
 - Payment gateways to facilitate secure online payments for services and parts.

Admin:

Admin dashboard:

- It contains the field of the appointment, customer, employee, services management, metrics and feedbacks from the users
1. Customer management:

- A section where the admin can view and manage customer information, including their contact details, service history, preferences associated with individual customers.
 - Save the data for the future customer contact.
2. Service management:
 - This module contains the list of services, their description, duration and cost of services
 - Admin can update, delete and add the services and descriptions
 3. Employee management:
 - A section where the admin can view and manage employee information, including their names, contact details, year of joining and salary details
 4. Appointment management:
 - It has customer scheduling functionality, including name, services, method of delivery, date of submission, and confirmation of status with the ability to cancel and approve
 - A confirmation message will send to the customer through the SMS
 5. Feedback management:
 - Admin can manage the feedback and ratings from the customer

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MAINPROJECT:

Modules and Functionalities:

1. Color selection:
 - Through the module the customer can customize the color through the 3D model
 - The user can customize the color from the paint dataset
2. Customer Support:
 - An interactive chat bot for the customer quires
3. Online payment:
 - If the services are satisfied and complete the payment can done through the site
 - Payment gateways to facilitate secure online payments for services and parts.
4. Key metrices:
 - The status of the website i.e., customer satisfaction and total appointments performed through the site
 - A metric that measures customer satisfaction with your painting services. It is usually obtained feedback forms.
 - Total appointments metric simply refers to the total number of appointments made for painting services within a specific time period, such as a day, week, month, or year.
5. Track Progress with Photos:
 - Enable painters to take and upload progress photos of the car during the painting process, allowing customers to see the work in real-time.
6. Car Paint History Archive:
 - Maintain a historical archive of famous car paint jobs, iconic designs, and classic paint colors for customers' inspiration.
7. Custom Paint Preservation Tips:
 - Provide customers with personalized tips on how to preserve and maintain their custom paint for longevity.
8. Appointment Reminders and Notifications:
 - Send automated appointment reminders and notifications to customers to reduce no-shows and improve efficiency.
9. Emergency Repairs:
 - Introduce an emergency repair service where customers can request immediate paint fixes for minor damages or scratches.