

Requirements Specification Document

Topic: Automobile Company Management System

Team Members-

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1. Project Summary

1.1 Project Overview

This project involves the design and development of *Porsche Elite Webscape*, an interactive and responsive web platform aimed at showcasing Porsche vehicles. The application serves the customers by offering a seamless browsing experience for vehicle models along with a dynamic purchase interface.

Customers can explore featured vehicles, watch promotional videos, and toggle between light and dark themes for a personalized experience, purchase vehicles, configure vehicles and apply custom paints as well.

The system is designed to operate across modern web browsers and devices, supporting responsive layouts and requiring an internet connection for rich content. Built using React, TypeScript, Tailwind CSS, and Bootstrap, the project leverages modern tools and best practices for scalable, maintainable web development.

1.2 Project Scope

The Porsche Elite Webscape allows customers to browse vehicle models, and explore unique features in a visually rich interface. They can watch design and performance videos, toggle between light and dark themes, and view detailed specifications of each model.

The project includes the development of both front-end interfaces and back-end content management logic using modern web technologies like node.js, postgresSQL. It aims to provide a visually appealing and highly interactive experience, optimized for both desktop and mobile users.

2.0 General Description

2.1 Product Functions Overview

User:

- **Customer:** Prospective buyers and enthusiasts who browse and explore vehicle models.
- **Admin:** Website administrators who manage content, vehicle data, and media assets.

Customer features:

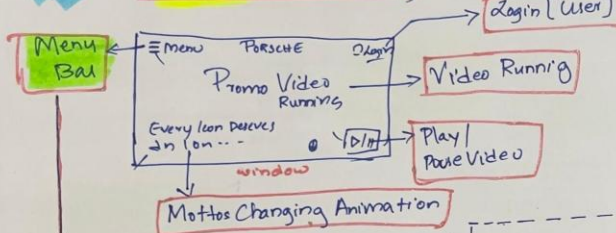
1. **Browse Models**
View a list of available Porsche models with thumbnails and key specifications.
2. **Theme Toggle**
Switch between light and dark themes based on user preference and accessibility.
3. **Watch Video**
Play embedded videos highlighting Porsche design, performance, and craftsmanship.
4. **Discover Section**
Explore detailed car gallery, browse car accessories and lifestyle products

Team Members	Feature Ownership
S Sreyas (AM.AI.U4AID23019)	Design homepage layout, vehicle search, filters, vehicle cards, and vehicle detail page, overall sketch.
Nithin Prakash (AM.AI.U4AID23015)	Create login/registration UI, dashboards, profile management, booking forms.
Devananda C R (AM.AI.U4AID23036)	Build UI for booking vehicles, viewing sales history, payment confirmation, receipts.
Gagan Gireesh Krishna (AM.AI.U4AID23008)	Vehicle 3D model dev, interface for admin to manage users, vehicles, branches, view analytics.

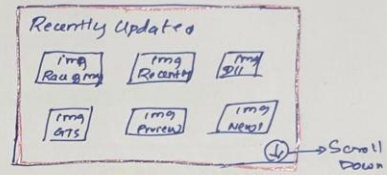
User Interface Sketch

PORSCHE Web Scape

(I) Main Window / Home pg

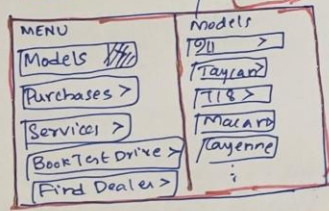


(III) Scrolling the main Home page



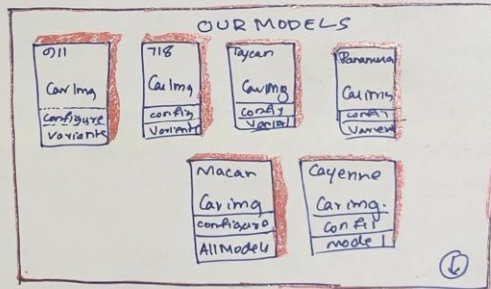
→ Showing the latest news of Brand
→ upcoming Events & Many More

(II) Menu Bar



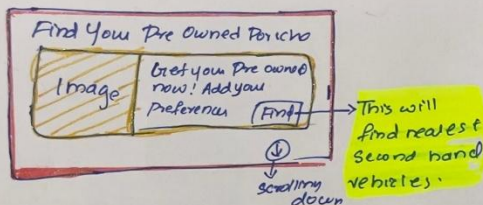
Here we can browse the models, book test drive, configure and edit cars, Experience centers, Communities, etc. and find a nearest car showroom for real experience and take delivery of booked one, & check your service details.

(IV) Models

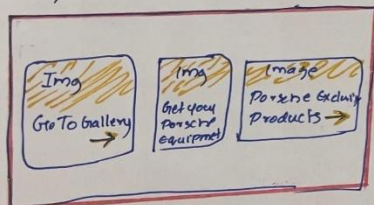


Here we are seeing all the car Models with images. Add options to configure your car & or Go to all the variants of the car along with its respective Prices, incl ex showroom & On Road Price in India.

(V) After Scrolling models

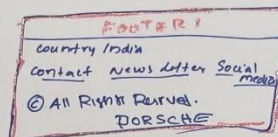


(VI) Discover Page

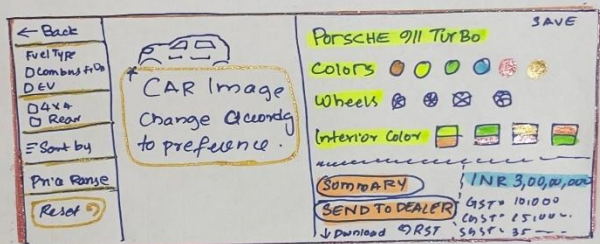


Here we can browse through all car Images, Purchase accessories for cars, and can browse through the brand exclusive products like :- Clothing, History, etc--.

(VII) Footer



(VIII) CONFIGURING CAR PAGE



- Here we can configure all the car models according to our preference. i.e, we can select the Variants, Sort car according to drive, power, torque, Price, performance, fuel type etc.
- We can also edit other options like Car paint, Alloy type, Interior colour & Many more -
- Here we can See the Price summary, On Road Price, etc.
- Can send this config to nearest Dealer.
- Can download (img) of car or reset configuration
- Finally Save to user credentials | Go back to home(←)
