

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Project Report
on
Front-End Design for Bike Dealership

Submitted By:

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0901CS181096

Faculty Mentor:

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Asst. Prof. CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR - 474005 (MP) est. 1957

MAY-JUNE 2022

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A project report submitted in partial fulfillment of the requirement for the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

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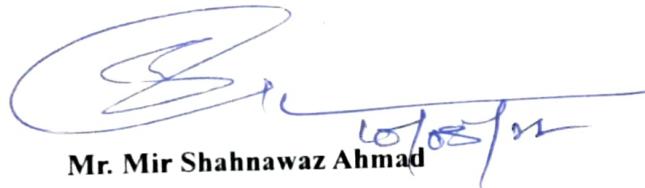
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CERTIFICATE

This is certified that **Saurabh Raj Patel** 0901CS181096 has submitted the project report titled **Front-End Design for Bike Dealership** under the mentorship of **Mr. Mir Shahnawaz Ahmad** in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



Mr. Mir Shahnawaz Ahmad

Faculty Mentor

Computer Science and Engineering



Dr. Manish Dixit

Professor and Head,

Computer Science and Engineering

Dr. Manish Dixit
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DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Prof. Mir Shahnawaz Ahmad, Professor, Computer Science**

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.



Saurabh Raj Patel

0901CS181096

3rd Year,

Computer Science and Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

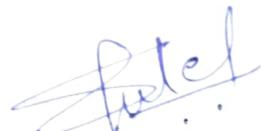
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ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering, for allowing** me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Prof. Mir Shahnawaz Ahmad, Professor, Computer Science** for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.



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ABSTRACT

This project is for a bike dealership created using, HTML/Tailwind CSS /Java Script and VITE are used as a building tool.

Tailwind CSS is basically a utility-first CSS framework for rapidly building custom user interfaces. It is a highly customizable, low-level CSS framework that gives you all of the building blocks you need to build bespoke designs without any annoying opinionated styles you have to fight to override.

Vite represents a quick, easy-to-use environment that doesn't require long builds to get started with a project. Although it's not a perfect solution for every project, it can speed up development quite a bit, especially in large projects where its ability to just hot-swap whole modules can really help.

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Chapter 1: Project Overview

1.1 HTML	1
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1.1- HTML is the most basic building block of the Web. It defines the meaning and structure of web content.

1.2- Tailwind CSS is-

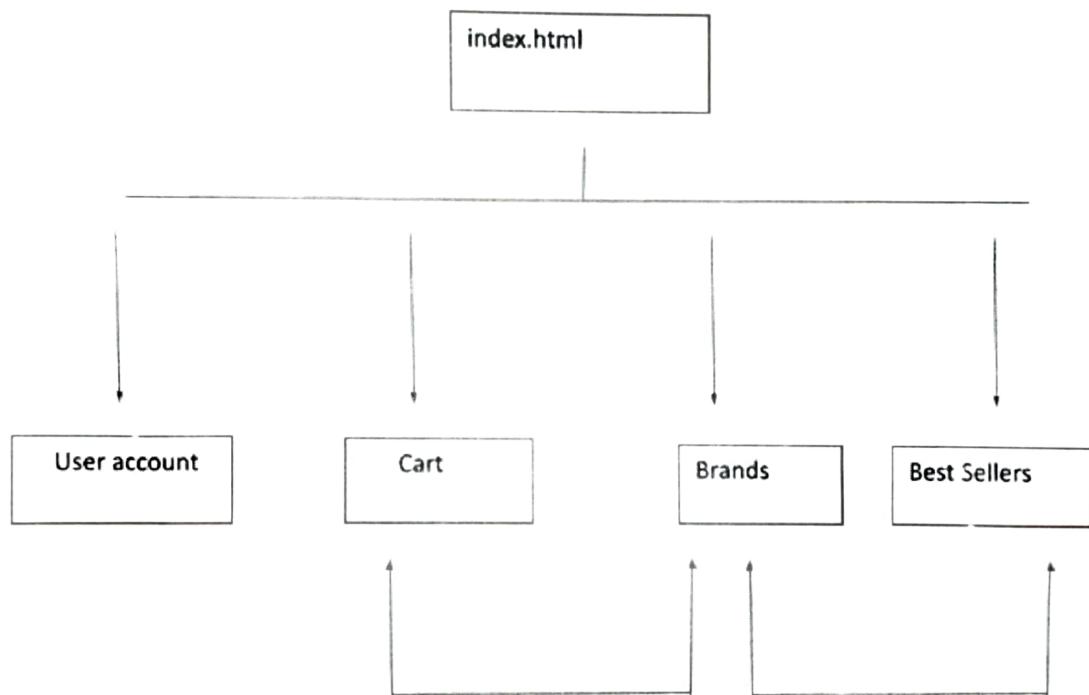
- (a) Tailwind CSS is a highly customizable framework.
- (b) It Has Common Utility Patterns
- (c) It Enables Building Complex Responsive Layouts Freely
- (d) If your application size is very large, using Tailwind CSS can greatly benefit you.

1.3- JavaScript is a scripting or programming language that allows you to implement complex features on web pages.

1.4- VITE is a new breed of frontend build tool that significantly improves the frontend development experience. It consists of two major parts:

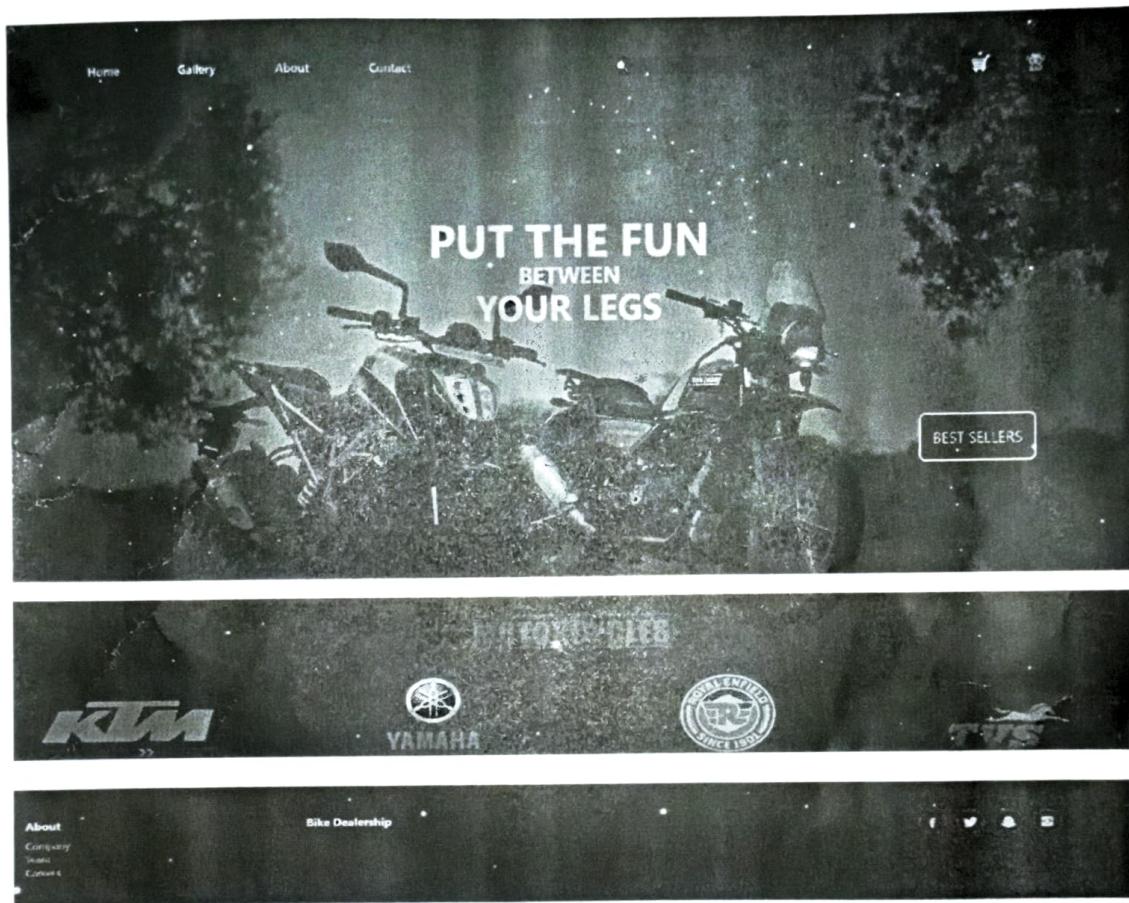
- A dev server that serves your source files over native ES modules, with rich built-in features and astonishingly fast Hot Module Replacement (HMR).
- A build command that bundles your code with Rollup, pre-configured to output highly optimized static assets for production.

Chapter 2: Website Architecture

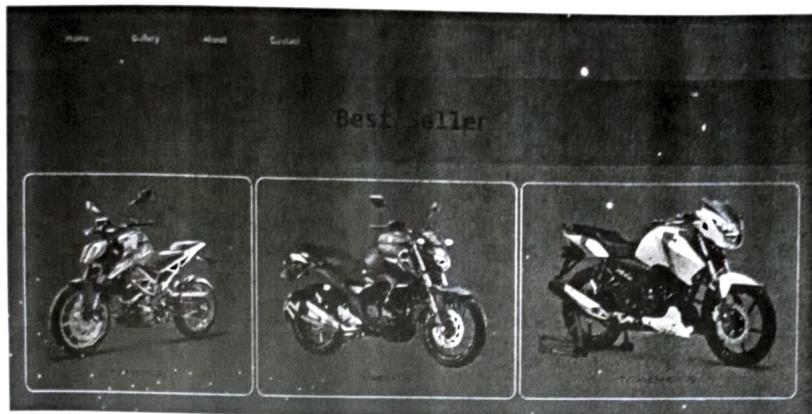


1. Index.html is the main file that renders and through which user can check out whole website.
2. User account have the necessary information about the user.
3. Cart is the section where every item can be viewed that is added to the cart.
4. Brands consists of 4 top brands and their products.
5. Best Sellers is the top selling bikes and is linked directly to that particular brand.

Chapter 3: Development Phase



Home Page

A screenshot of a website for the TVS Apache 160 RTR. The page features a large, high-resolution image of a white Apache 160 RTR motorcycle in a dynamic, angled pose, set against a dark, textured background. The TVS logo is visible in the top right corner. Below the image, the model name "TVS Apache 160 RTR" is displayed in a large, bold, white font. Underneath the title, there is a brief description: "The TVS Apache RTR 160 is one of the oldest models in TVS' portfolio. Besides minor decal changes and inclusion of ABS, it hadn't received any major changes for a long time. • The Hosur-based bike maker has recently launched the BS6-compliant model of the bike." To the left of the main image, there is a sidebar with a table of technical specifications for the TVS Apache RTR 160. The table includes the following data:

MODEL	TVS Apache RTR 160
Emission Type	BS6
Engine Displ.	159.7 cc
No Of Cylinders	1
Max Torque	13.9 Nm @ 7,000 rpm
Max Power	15.31 bhp @ 8,400 rpm
Mileage	45 kmpl
Top-Speed	107 Km/h

At the bottom of the page, there are two prominent buttons: "Add To Cart" and "Buy Now".

A screenshot of a website featuring a dark header with navigation links: Home, Gallery, About, Contact. Below the header is a grid of four motorcycle images. Each motorcycle has a rectangular box below it with a "Wish" button. The first motorcycle is a black and silver sport bike. The second is a black and silver dual-sport style bike. The third is a white and black sport bike. The fourth is a black and silver sport bike. At the bottom of the page is a dark footer bar with links: "About Company", "Bike Dealership", and social media icons for Facebook, Twitter, and YouTube.

Product Page

Chapter 4: Conclusion & Future Scope

1) Conclusion-

-Smart and simplified front end designs make user to easily reach to desired product on any type of e-commerce website.

2) Future Scope-

-Can be updated to a full stack website.

-Design can be used for other small e-business websites

References

- i. HTML w3schools documentations.
- ii. Tailwind CSS documentations (Tailwind CSS/docs).
- iii. Bootstrap.
- iv. Vitejs documentations.
- v. GitHub.