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:

Saurabh Raj Patel

0901CS181096

Faculty Mentor:

Mr. Mir Shahnawaz Ahmad

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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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.

10/05/22

Mr. Mir Shahnawaz Ahmad

Faculty Mentor

Computer Science and Engineering

10/05/2022

Dr. Manish Dixit

Professor and Head,

Computer Science and Engineering

Dr. Manish Dixit
Professor & HOD
Department of
M.I.T.S. Gwalior

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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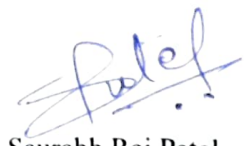
DECLARATION

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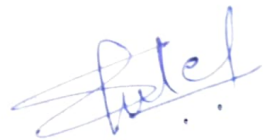
I would sincerely like to thank my department, **Department of Computer Science and Engineering, for allowing** me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement,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

TABLE OF CONTENTS

Chapter 1: Project Overview

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-

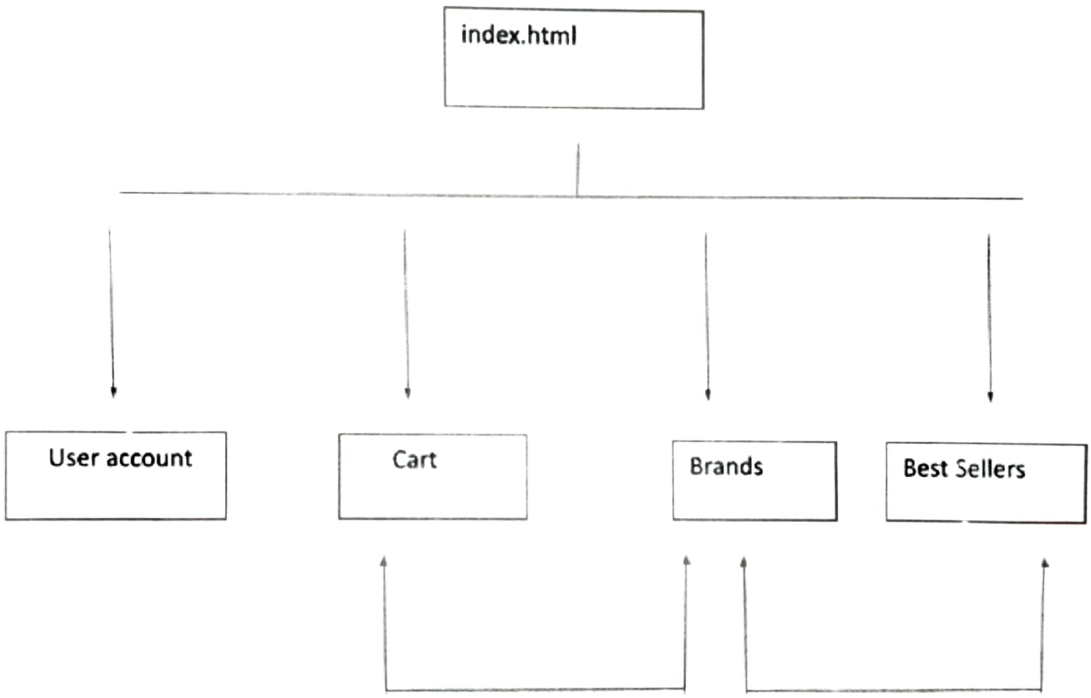
(a) Tailwind CSS is a highly customizable framework.
(b) It Has Common Utility Patterns
(c) It Enables Building Complex Responsive Layouts Freely
(d) If your application size is very large, using Tailwind CSS can greatly benefit you.

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:

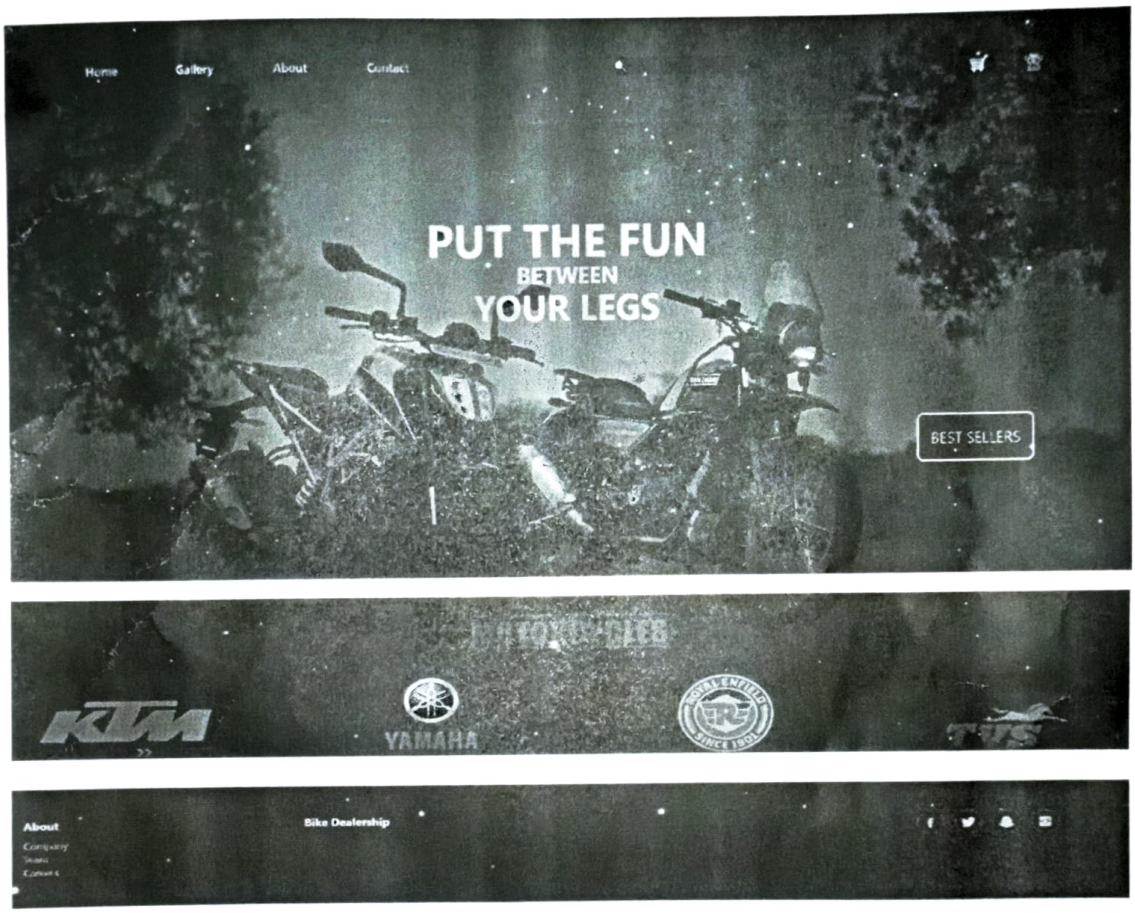
- A dev server that serves your source files over native ES modules, with rich built-in features and astonishingly fast Hot Module Replacement (HMR).
- A build command that bundles your code with Rollup, pre-configured to output highly optimized static assets for production.

Chapter 2: Website Architecture

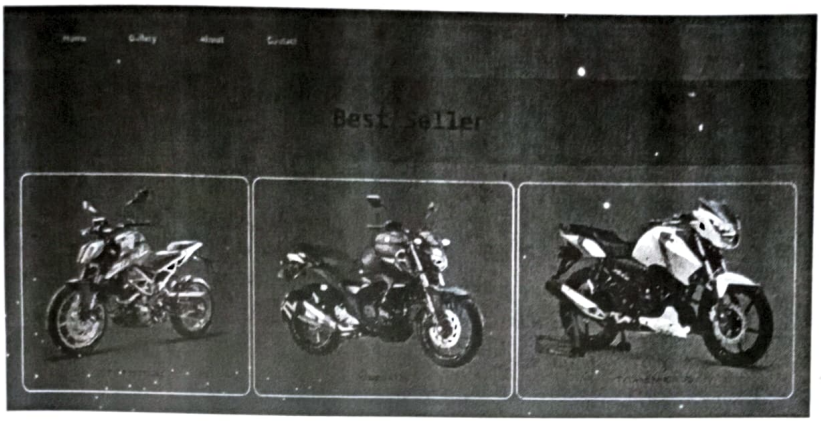


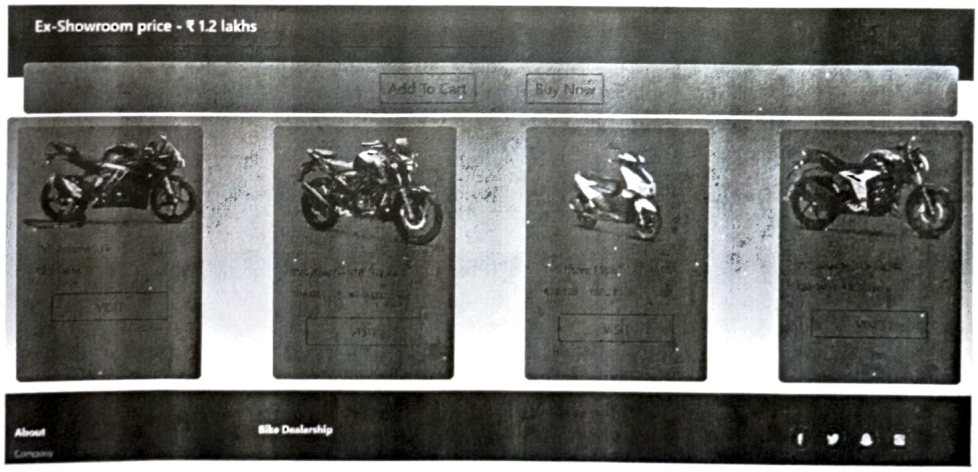
1. Index.html is the main file that renders and through which user can check out whole website.
2. User account have the necessary information about the user.
3. Cart is the section where every item can be viewed that is added to the cart.
4. Brands consists of 4 top brands and their products.
5. Best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

Chapter 3: Development Phase



Home Page





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.