



PANIMALAR ENGINEERING COLLEGE

WEBSITE DESIGN FOR CUSTOM AUTOMATIVE COMPONENTS FOR EVERY VEHICLE

TEAM MEMBERS:
PRIYADHARSHINI.R
SHAARMi.G



ABSTRACT



Aadhitan Engineering

This mini project focuses on developing a professional website for Aadhitan Engineering Company, an ISO 9001:2008 certified manufacturer of CNC precision machined parts for the automotive industry. The goal of this project is to design a user-friendly, informative, and visually appealing website that accurately represents the company's expertise and capabilities.

The website will serve as a digital platform where potential clients and partners can easily access detailed information about the company's services, including precision machining, casting, and forging. It will also highlight the company's state-of-the-art infrastructure, advanced machinery, and the diverse range of materials they work with. Additionally, the website will feature a portfolio showcasing Aadhitan Engineering Company's products, a section on client testimonials, and a contact page to facilitate communication with potential customers.

The project will utilize the latest web development technologies to ensure that the website is responsive, fast, and accessible across all devices. By creating an effective online presence, this project aims to enhance Aadhitan Engineering Company's visibility in the market, attract new business opportunities, and strengthen relationships with existing clients.

ABOUT COMPANY

AADHITAN ENGINEERING

Aadhitan Engineering Company (AEC) is an ISO 9001:2008 certified manufacturer specializing in CNC precision machined parts for original equipment manufacturers (OEM) in the automotive sector. Located in Chennai, India, AEC is committed to continual growth and development in an ever-changing market. The company emphasizes quality, loyalty, trust, professionalism, and the ability to maintain long term relationships with its clients.

AEC's infrastructure supports precision machining, casting, and forging, making it a comprehensive service provider in the industry.

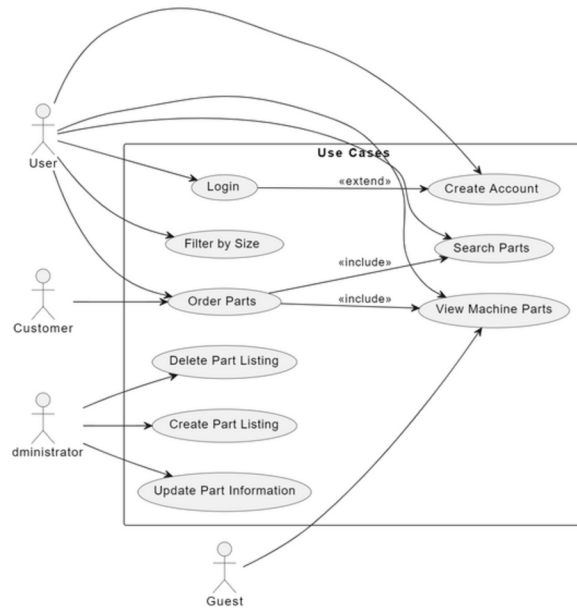
EXISTING SYSTEM

The existing system for Aadhithan Engineering Company's online presence is characterized by its limited functionality and outdated design, which significantly impedes effective communication with potential clients and partners. Currently, the website, if it exists, may lack essential information about the company's services and products, thereby making it challenging for visitors to gain a clear understanding of what Aadhithan Engineering Company offers. The content may be minimal or outdated, resulting in confusion and a lack of engagement from visitors, who may quickly leave the site in search of more informative resources. Furthermore, the user experience is hampered by poor navigation, as the layout may not facilitate easy access to crucial information, leading to high bounce rates. Users might find it difficult to locate specific sections related to manufacturing capabilities, certifications, or partners. Moreover, the lack of Google Maps integration means that potential clients wishing to visit the facility have no convenient way to find directions, further diminishing engagement. Finally, the existing system may lack analytics and feedback mechanisms, making it difficult to track visitor interactions and gather valuable data that could inform improvements.

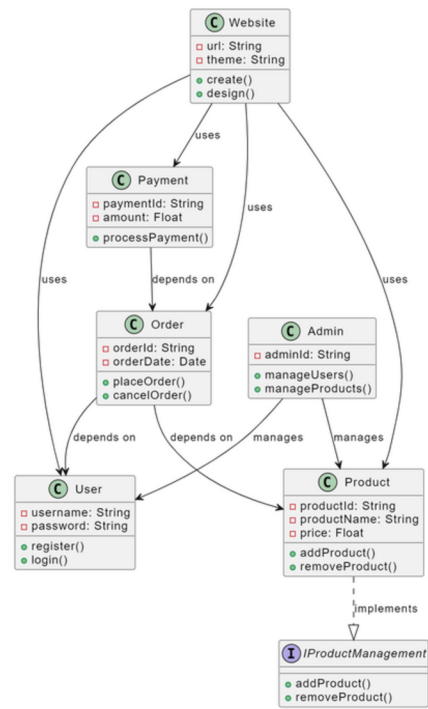
PROPOSED SYSTEM

The proposed system for Aadhithan Engineering Company aims to establish a modern and professional online presence that reflects the company's brand identity while effectively showcasing its products and services. The new website will be developed using contemporary design principles and technologies, such as HTML5, CSS3, and JavaScript, to create a fresh, visually appealing, and responsive interface. Enhanced user experience will be a primary focus, with a user-friendly navigation structure that allows easy access to various sections, such as Products, Services, Certifications, Trusted Partners, and Contact Us. This intuitive layout will be complemented by engaging graphics and animations that draw visitors' attention. A dedicated product showcase will highlight the manufactured parts and services offered by the company, featuring high-quality images, detailed descriptions, and specifications, as well as customer testimonials and case studies that illustrate the company's capabilities and successes in the industry. Mobile optimization will be a crucial aspect of the new website, ensuring that it is fully responsive for seamless access across smartphones and tablets.

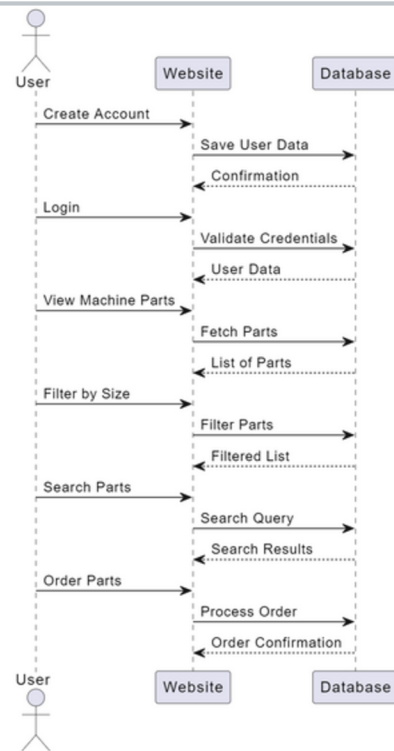
USECASE DIAGRAM



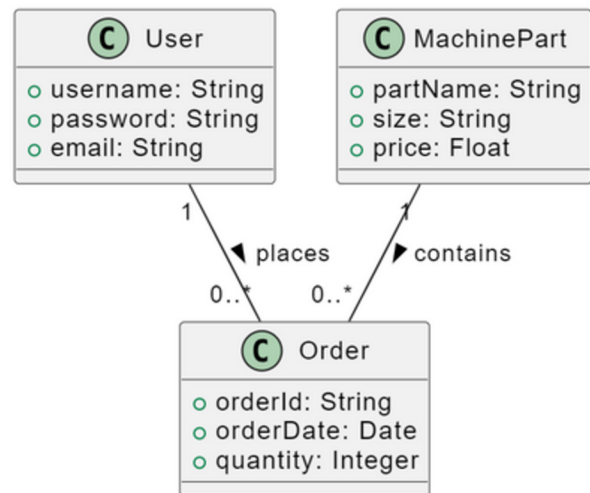
CLASS DIAGRAM



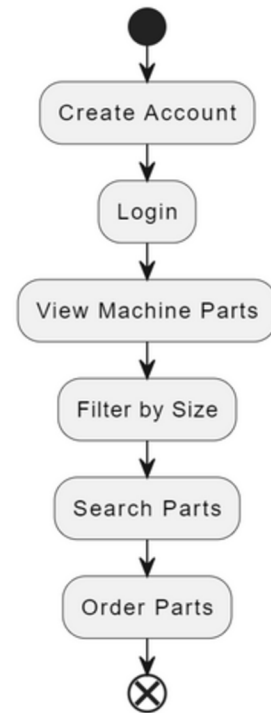
SEQUENCE DIAGRAM



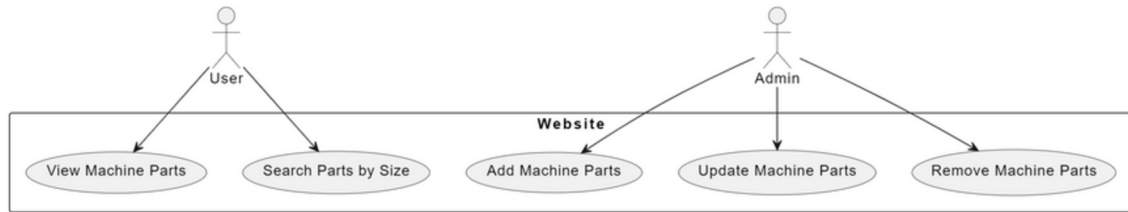
DOMAIN MODEL



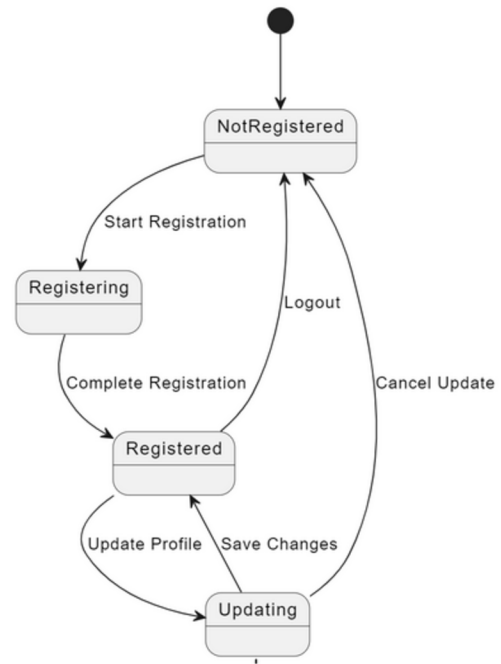
STATE DIAGRAM



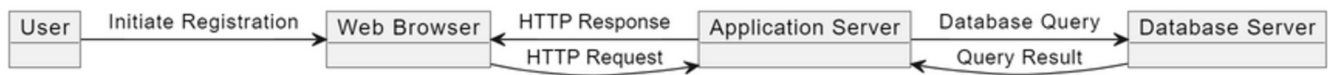
COMPONENT DIAGRAM



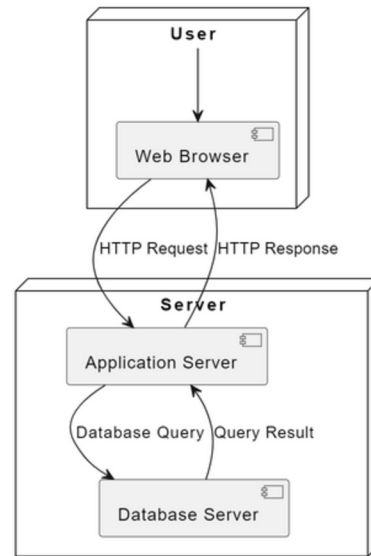
STATECHART DIAGRAM



COLLABORATION DIAGRAM



DEPLOYMENT DIAGRAM





THANK YOU