

November 2023

Attendance System

NSHM College of Management and Technology

Name	Mohsin Ansari	Pranab Ghosh
Course	BCA (5th SEM)	BCA (5th SEM)
Roll No.	23401221027	23401221006
Paper	Minor Project	Minor Project
Paper Code	BCAD581	BCAD581

Our Team



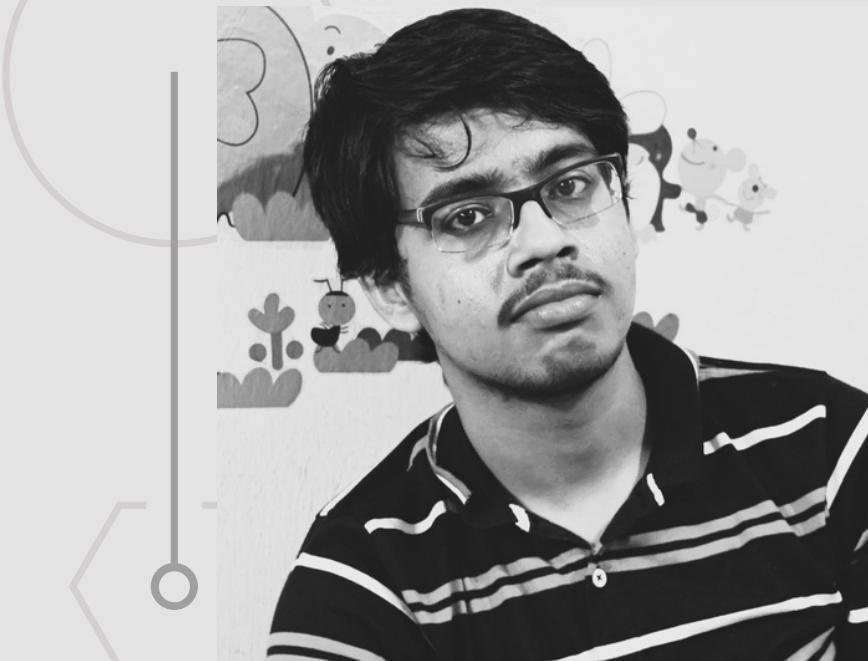
Mohsin Ansari

I'm Mohsin Ansari from BCA 3rd year, The team lead for the attendance system project. I'm a full stack web developer with MERN stack.



Prof. Sanjay Pal

I'm Prof. Sanjay Pal, The Mentor for this team. I sparked the idea of the project and guided them in the development process.



Pranab Ghosh

I'm Pranab Ghosh from BCA 3rd year, The Tech Support and Tester of the Project. I'm a Frontend/UI Tester, to identify bugs & Errors.

About Project

Attendance System

The Attendance System is a cutting-edge web application designed to streamline attendance tracking using facial recognition technology. This project offers a user-friendly interface for managing attendance, facilitating efficient and accurate tracking of individuals. With features such as dynamic real-time updates, user authentication, and downloadable reports, the Attendance System provides a comprehensive solution for modern attendance management. Built on powerful technologies, including Face-API-JS, this project represents a fusion of innovative software engineering and emerging facial recognition capabilities.

Contents

Features

Objectives

Tech Stacks

Project Views

Deployment

Live Demo





Features

Attendance System

Facial Recognition: Utilizing the capabilities of Face-API-JS, our system ensures accurate and secure attendance tracking through facial recognition.

Real-time Updates: Experience dynamic updates as attendance data is instantly reflected, providing administrators with the latest information.

User Authentication: Ensure data security with robust user authentication, allowing only authorized users to access and manage attendance data. Downloadable

Reports: Easily generate and download comprehensive attendance reports for efficient record-keeping and analysis.



Objectives

Attendance System

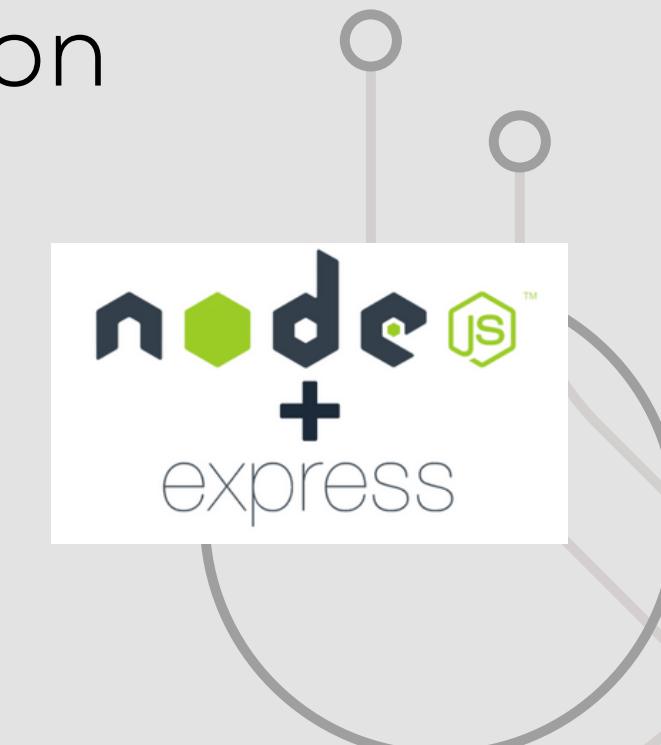
The primary objective of the Attendance System is to simplify attendance tracking methods by implementing facial recognition technology. The project aims to provide a comprehensive and user-friendly solution for efficient attendance management, catering to various industries such as education and corporate sectors.

Key objectives include:

- Accuracy and Precision.
- Real-time Updates.
- User Authentication.
- Simple User Interface:

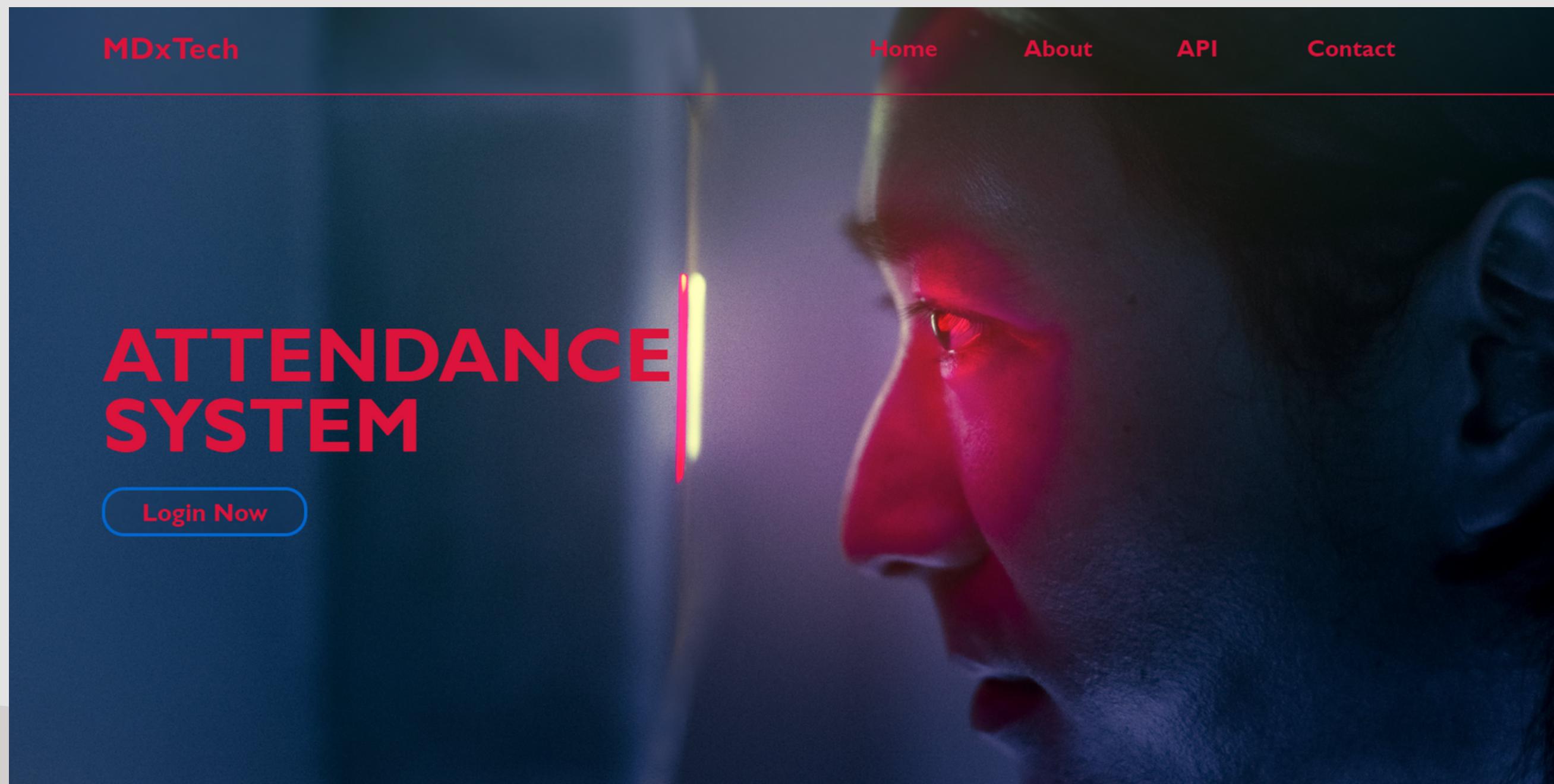
Tech Stacks : Attendance System

1. Visual Studio Code : Development Environment Software
2. Node.js/Express JS : Backend Server
3. EJS(Embedded JS) : Dynamic Frontend
4. CSS (Cascading Style Sheets) : Frontend Styling
5. MongoDB + Mongoose : Users & Attendance Database
6. Bcrypt Module : Credential Hashing & Salting
7. face-api.js Library : JS Library for facial recognition

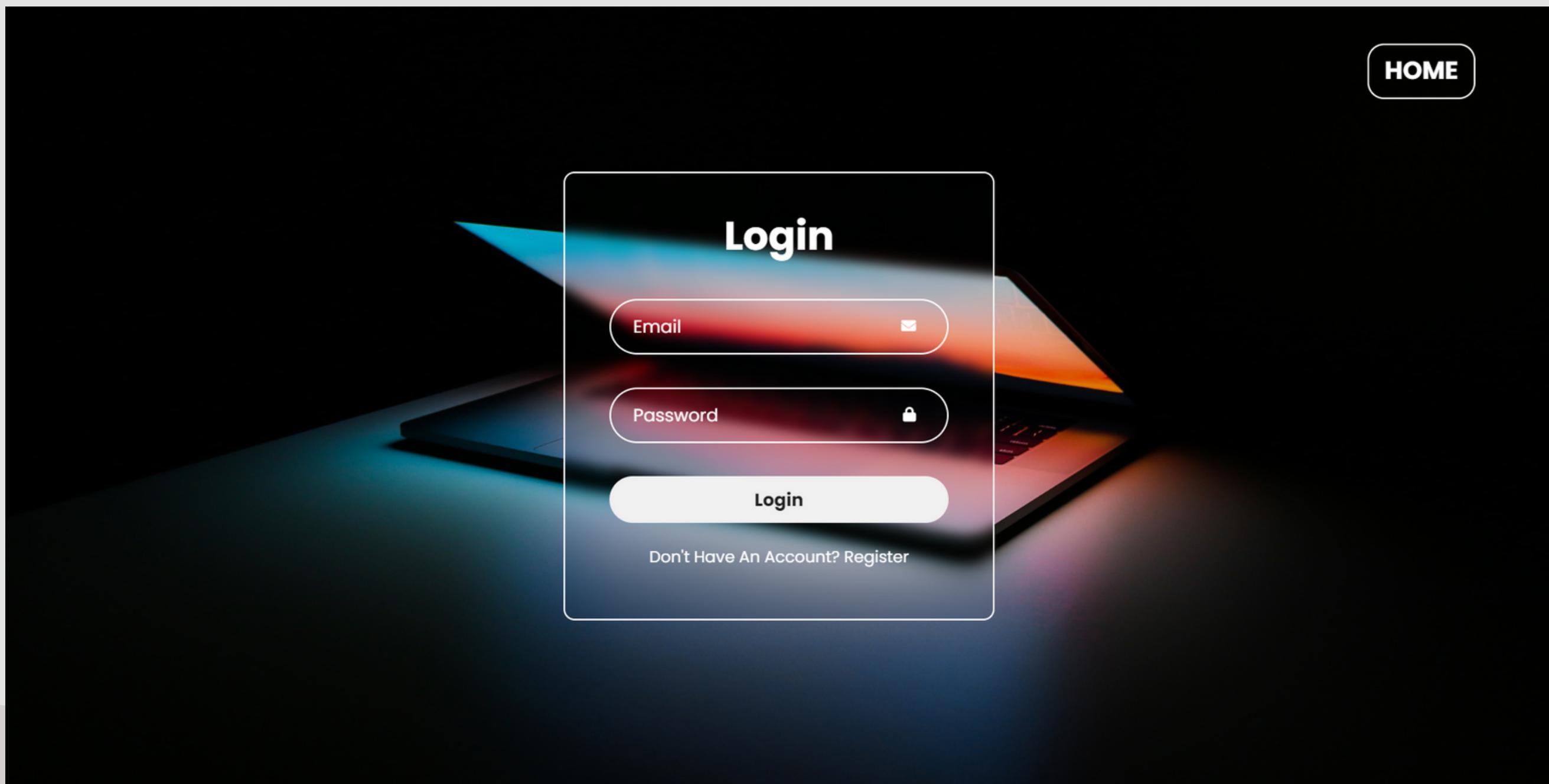


Project Views

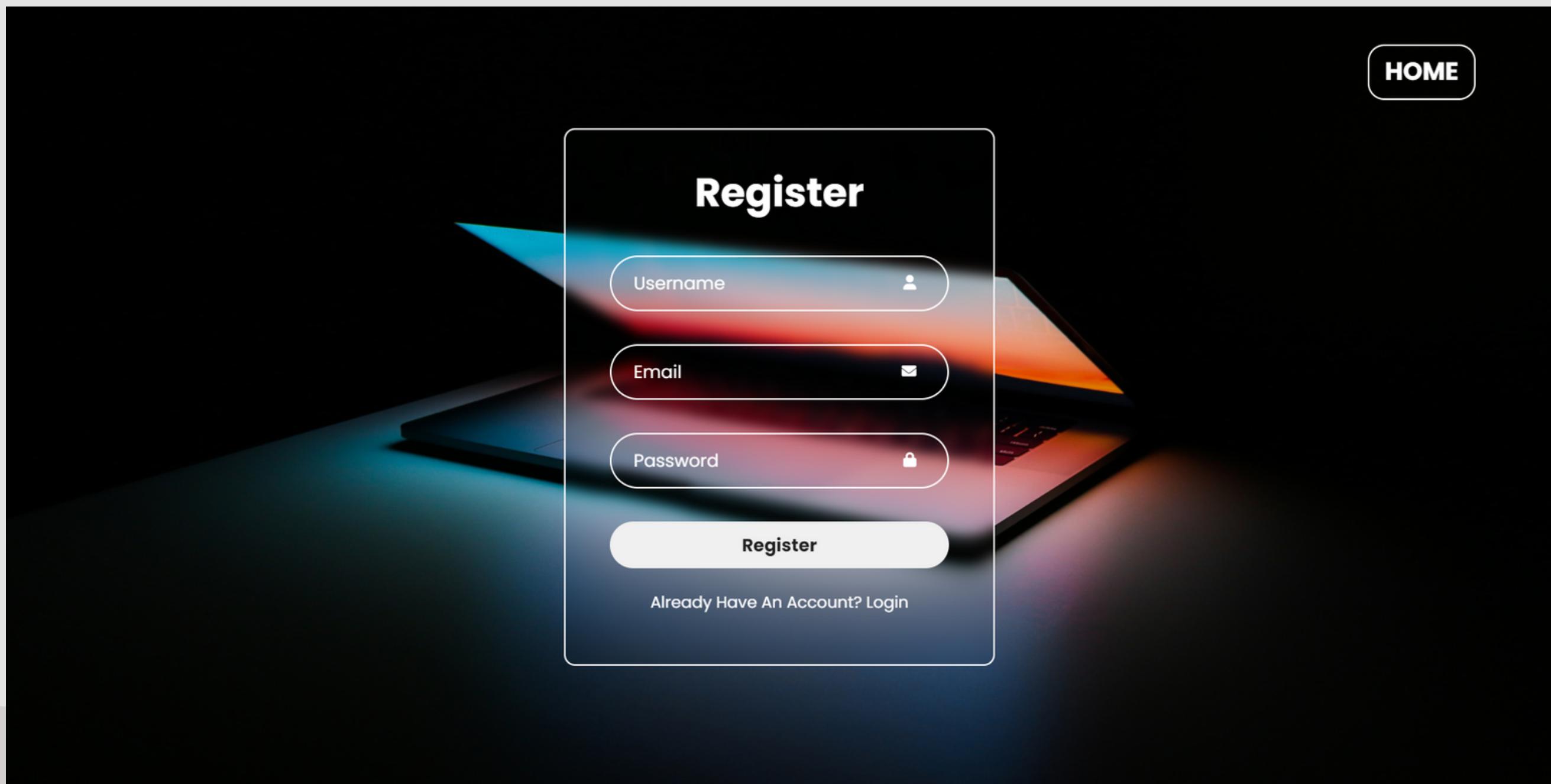
Landing Page



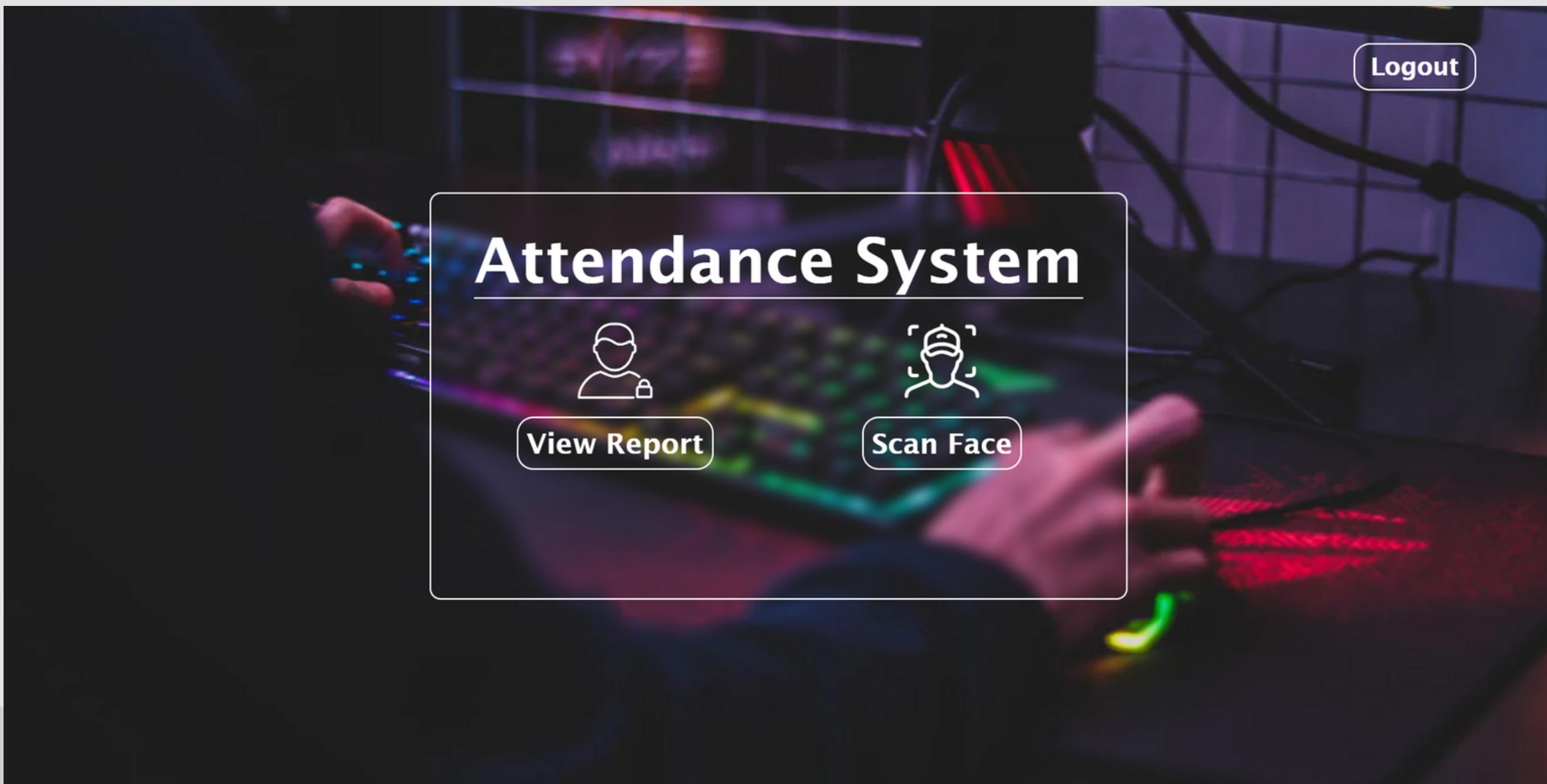
Login Page



Register Page



Home Page



ViewReport Page

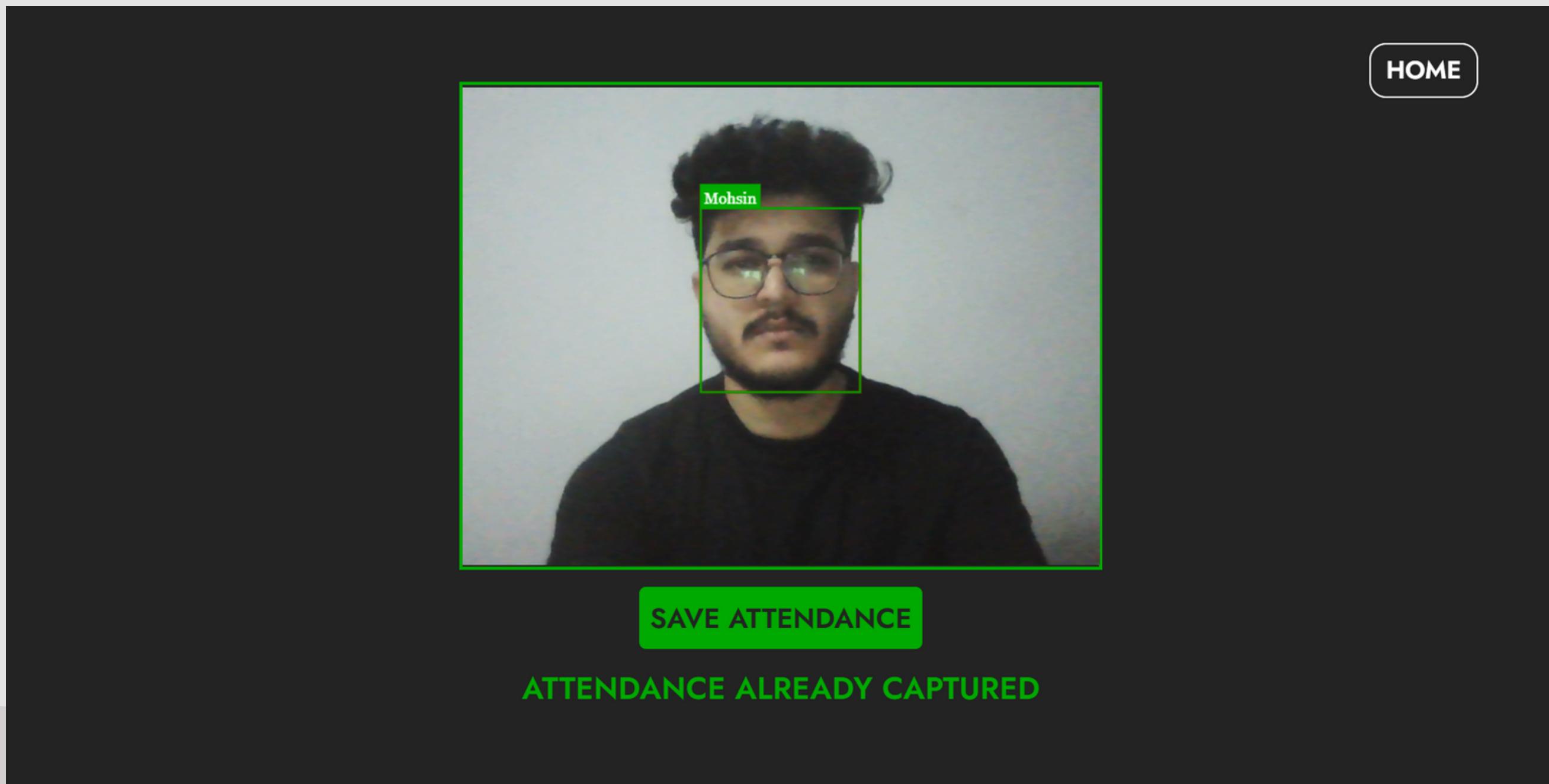
ATTENDANCE REPORT

ID	Name	Depart	Date & Time	Delete
868	Mohsin	BCA	11/14/2023, 2:32:27 AM	<button>Delete</button>
451	Saman	BCA	11/14/2023, 12:20:04 PM	<button>Delete</button>

HOME

→

Scanner Page





Deployment & Source Code

Attendance System

Deployment:

The Attendance System project has been successfully deployed using Cyclic, a platform for continuous deployment. This deployment method ensures that the latest changes to the project are automatically reflected in the live application, providing a seamless and up-to-date experience for users.

Deployed Link : [ClickHere](#)

Source Code:

The complete source code for the Attendance System project is available on the GitHub repository with License. This repository serves as a centralized location for the project files, including server-side scripts, frontend code, Installation and configuration. Users and developers can access the source code, contribute to the project, or explore the implementation details.

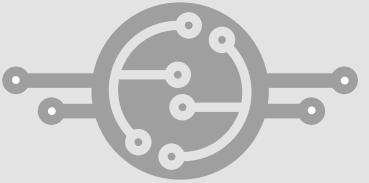
Source Code Link: [ClickHere](#)



Live Demo

Attendance System

- Project Structure
 - Project GitHub Repo
 - Project Demo Local
 - Project Overview Cyclic
- 



THANK YOU

Team Mohsin & Pranab

mohsinansari.21@nshm.edu.in
pranabghosh.21@nshm.edu.in