**Project Overview**

During my internship, I developed an **Employee Management System** using **Vue.js** for the frontend and **Node.js** with **Express** for the backend. The application facilitates user registration and login, allowing employees to manage their accounts efficiently.

**Key Features**

1. **User Registration**:
   * A **Signup** component enables new users to register by providing their name, email, and password.
   * Upon successful registration, a POST request is sent to the backend, and users receive a confirmation email via **Nodemailer**. After registration, users are redirected to the login page.
2. **User Login**:
   * A **Login** component allows users to authenticate by entering their email and password.
   * The application verifies credentials through a POST request to the backend, granting access to the system upon successful login.
3. **Email Notifications**:
   * Integrated **Nodemailer** in the backend to send confirmation emails to users upon successful registration, enhancing user engagement and communication.
4. **Routing**:
   * Utilized **Vue Router** to manage navigation between the Signup and Login components, ensuring a seamless user experience.
5. **State Management**:
   * Leveraged Vue's reactive data binding to manage form inputs and user interactions effectively.
6. **Styling**:
   * Implemented responsive design using **Bootstrap**, enhancing the visual appeal and usability of the application.
7. **Error Handling**:
   * Basic error handling was incorporated to log issues to the console, with potential for future enhancements to provide user feedback for failed operations.

**Technologies Used**

* **Frontend**: Vue.js, Vue Router, Axios, Bootstrap
* **Backend**: Node.js, Express, MongoDB (for data storage), Nodemailer (for email notifications)

**Conclusion**

This project provided me with valuable experience in full-stack development, enhancing my skills in both frontend and backend technologies. The Employee Management System serves as a foundational application that can be further expanded with additional features such as user roles, password recovery, and enhanced security measures. Overall, this internship allowed me to apply theoretical knowledge in a practical setting, contributing to my professional growth and understanding of web development.

Register PageA screenshot of a computer

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Login pageA screenshot of a computer

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Registering EmployeeA screenshot of a computer

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Data Saved in database

A screenshot of a computer

Description automatically generated

Mail sent after successful registartion

A screenshot of a computer

Description automatically generated

Entered the user not in databaseA screenshot of a computer

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Incorrect password of employee

A screenshot of a computer

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Employee Login success

A screenshot of a computer

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