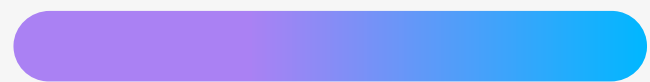


End of Study Project

2024



*Created by:
Ayman Aarab
Douaa Amran*





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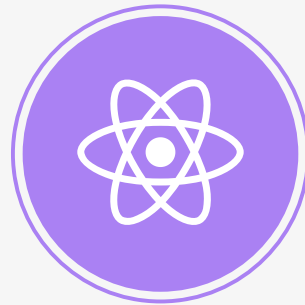
Introduction

Our project is a resume builder application designed to streamline the creation of CVs. Users input their information through various forms covering personal details, education, experience, skills, projects, and certifications. They have the flexibility to choose from multiple templates to customize the appearance of their CVs.

The image shows a laptop screen with a resume builder application. The interface features a dark purple header bar with two buttons: 'About Us' and 'History'. Below the header, the main content area is divided into two columns. The left column, titled 'Fill Section', contains a grid of eight buttons with icons and labels: 'Personal Info' (person icon), 'Summary' (book icon), 'Experience' (briefcase icon), 'Education' (school icon), 'Language' (globe icon), 'Projects' (laptop icon), 'Certificates' (award icon), and 'Skills' (checklist icon). The right column contains three form sections. The first section, 'Personal Info', has four input fields: 'First Name', 'Last Name', 'Phone Number', and 'Email'. The second section, 'Other Info', has four input fields: 'GitHub', 'LinkedIn', 'Instagram', and 'Personal Website'.

Technologies

The MERN stack, comprising MongoDB, Express.js, React, and Node.js, is a popular choice for building modern web applications.



React is a JavaScript library for building user interfaces. It allows developers to create reusable UI components that manage their own state, making it easier to build complex UIs efficiently. React uses a virtual DOM to update the UI efficiently.



MongoDB is a NoSQL database that stores data in a flexible, JSON-like format. It is schema-less, meaning you can store heterogeneous data and evolve your data structure easily over time. MongoDB is known for its scalability, flexibility, and ease of use.



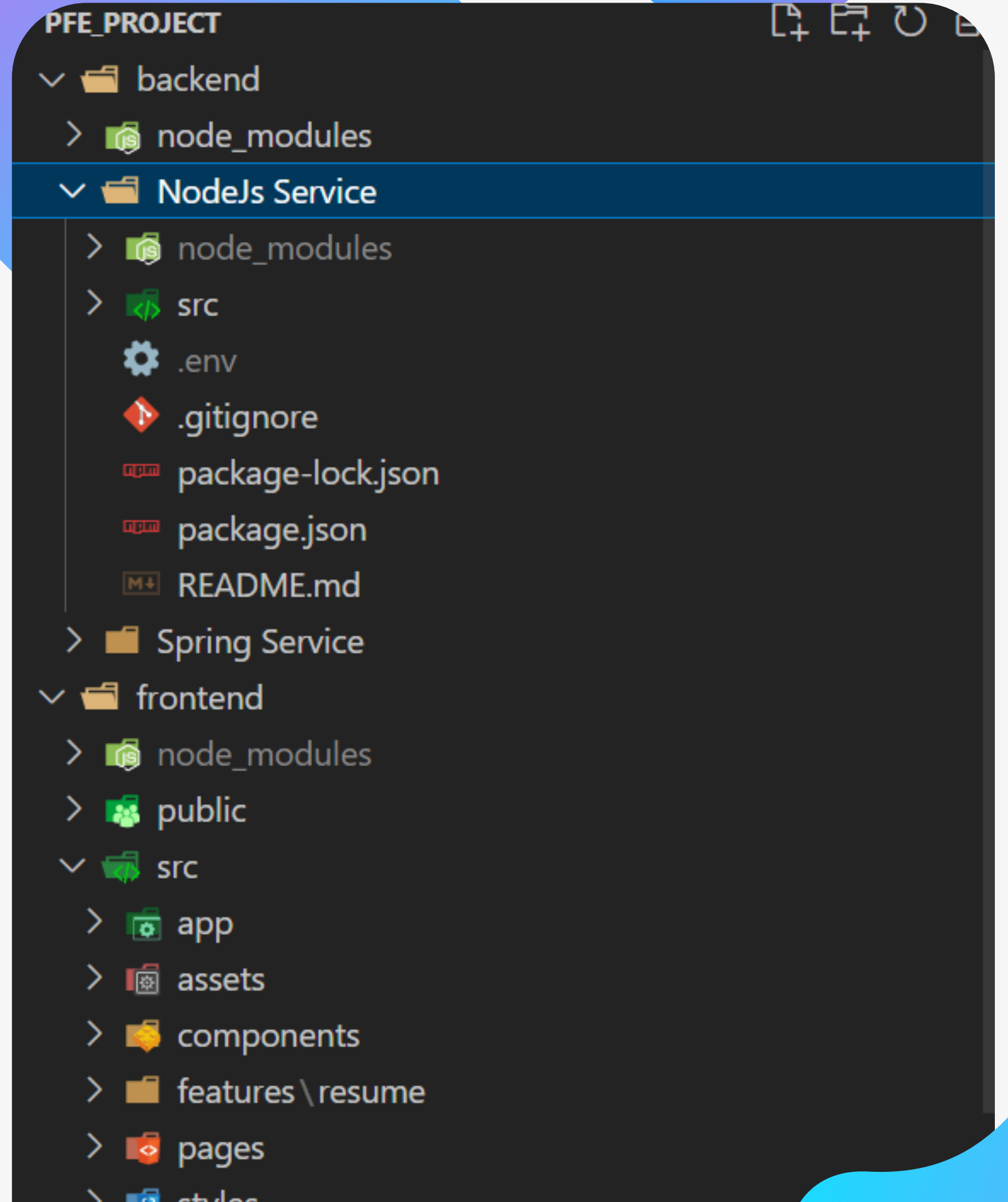
Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. It enables developers to run JavaScript code outside the web browser, making it possible to build scalable, server-side applications.



Express.js is a web application framework for Node.js. It simplifies the process of building robust web applications and APIs by providing a set of features for routing, middleware, and handling HTTP requests and responses.

Project Architecture

The folder structure diagram showcases the organized hierarchy of our Resume Builder application, illustrating a clear separation of concerns and efficient management of resources. This structured approach enhances code readability, facilitates collaboration among team members, and streamlines the development process.

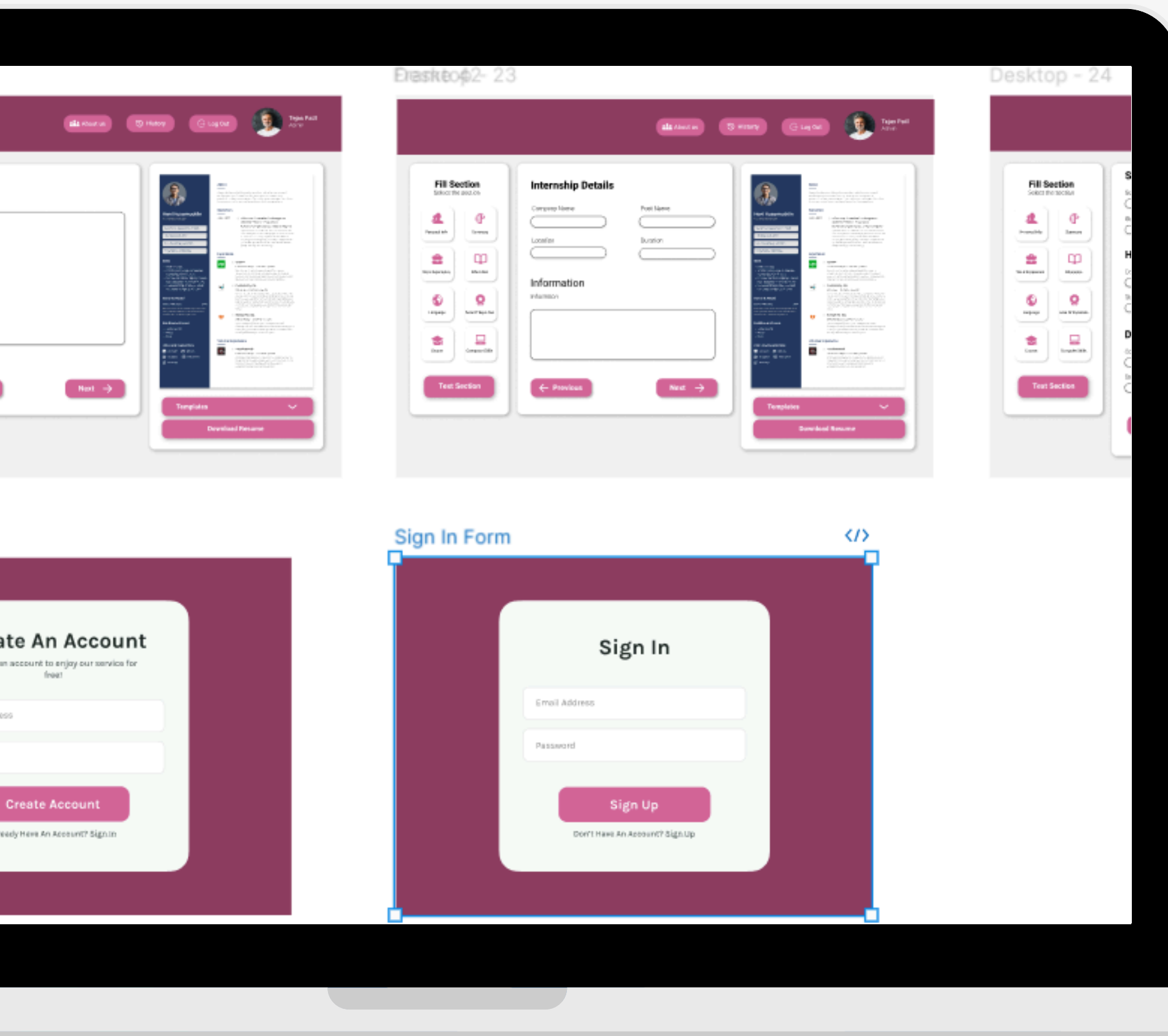


The screenshot displays the file explorer for a project named 'PFE_PROJECT'. The structure is as follows:

- backend
 - node_modules
 - NodeJs Service** (highlighted)
 - node_modules
 - src
 - .env
 - .gitignore
 - package-lock.json
 - package.json
 - README.md
 - Spring Service
- frontend
 - node_modules
 - public
 - src
 - app
 - assets
 - components
 - features\resume
 - pages
 - styles



Design and Diagrams

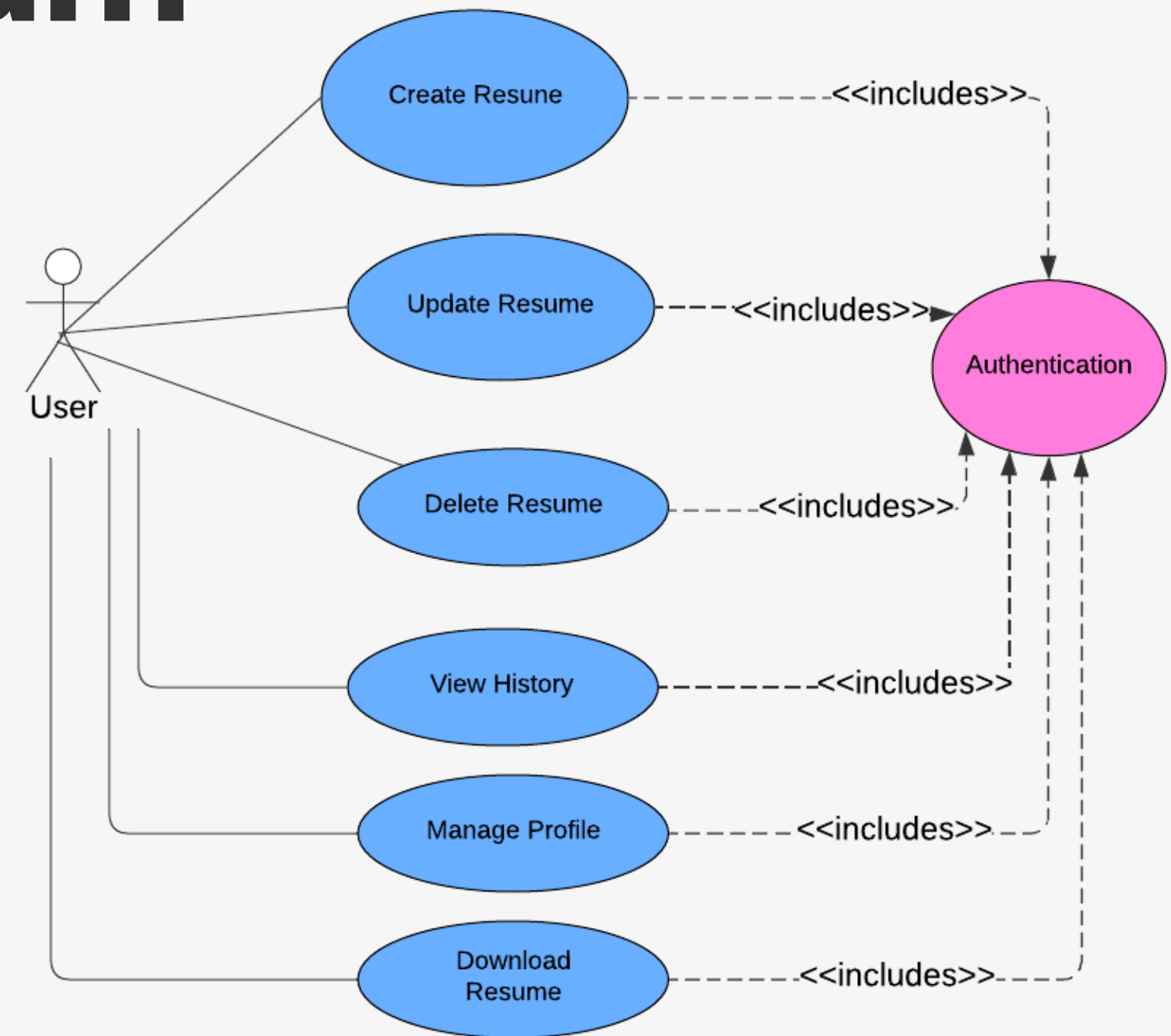


Figma Design

For the Figma design, you can explore the comprehensive visual representation of our project's user interface and experience by visiting the following link: [Figma Design](#).

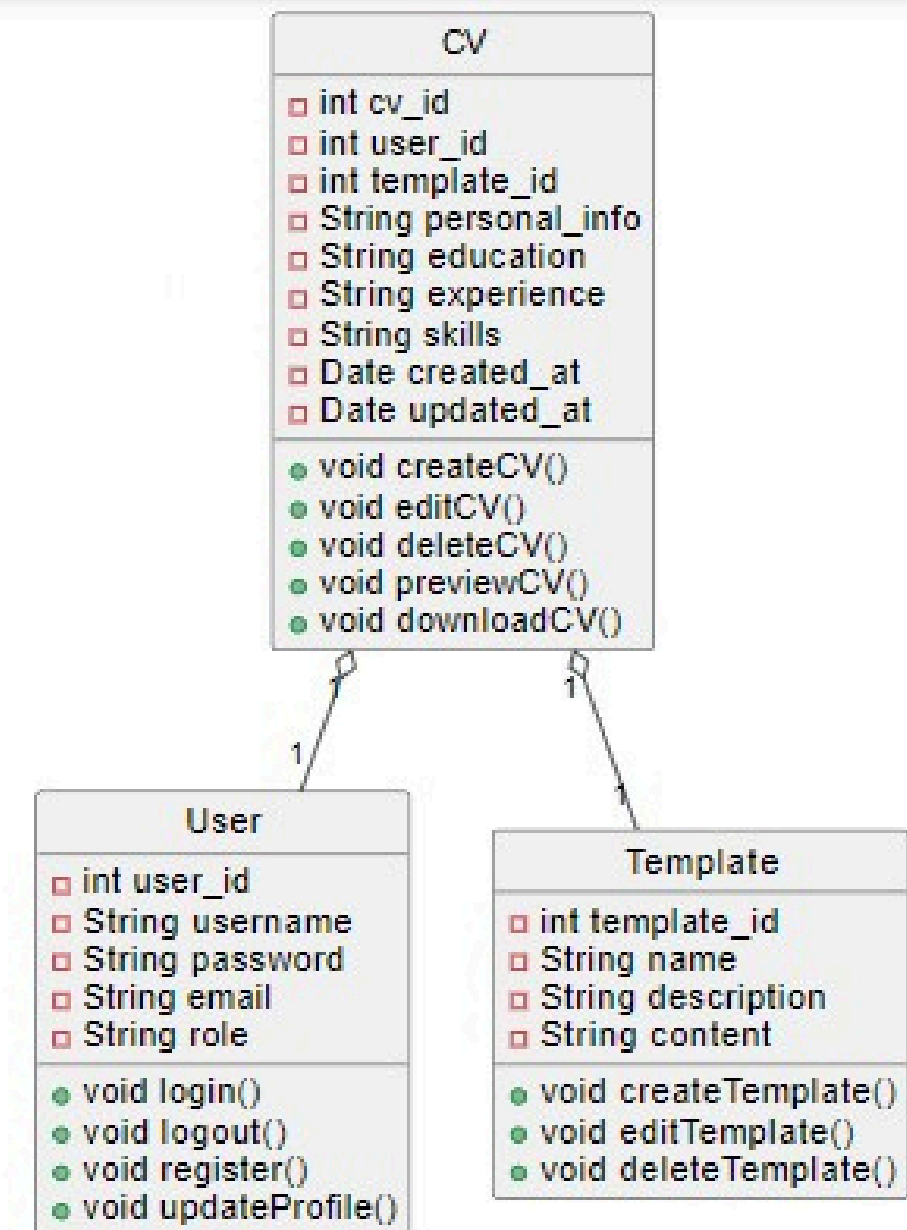
Use Case Diagram

This diagram outlines the various interactions between users and the system, highlighting the key functionalities and user roles. It serves as a roadmap for understanding user requirements and system behavior, ensuring that all essential features are captured and implemented.



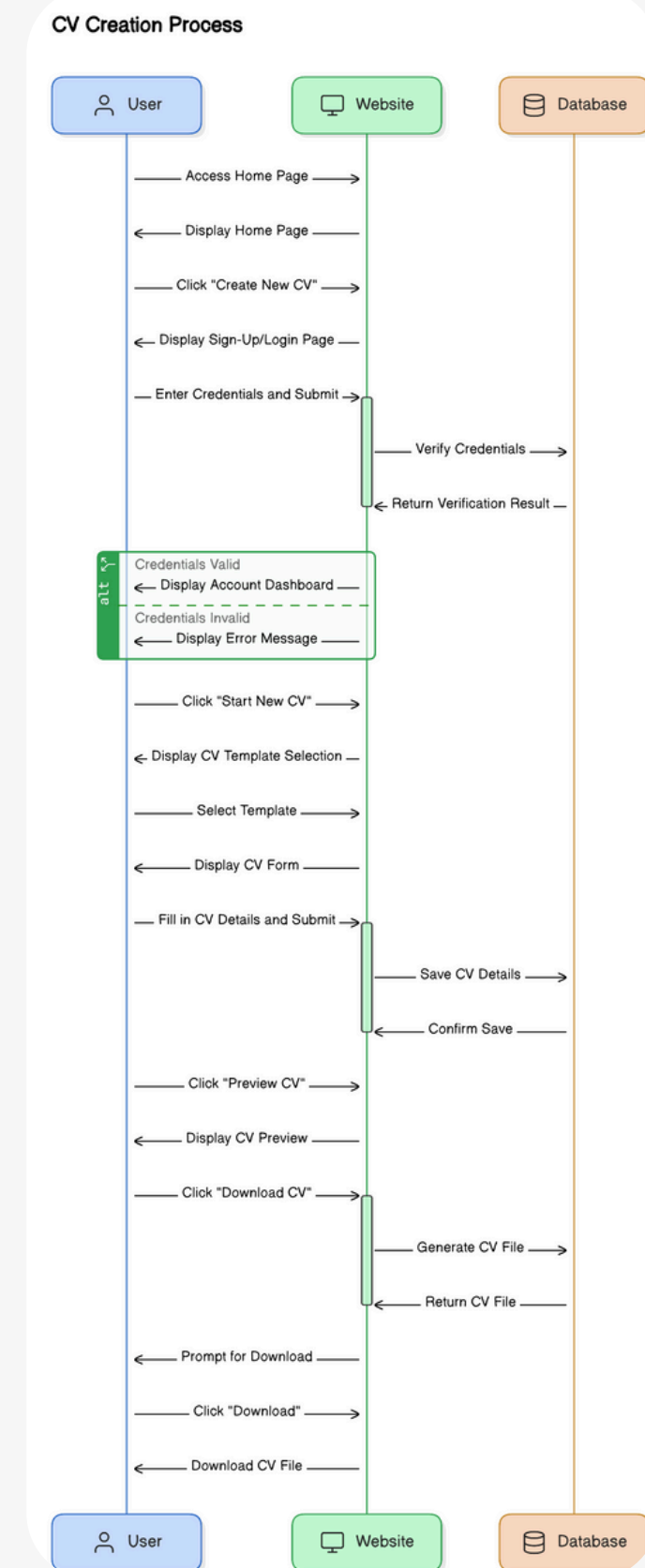
Class Diagram

This visual representation illustrates the structure and relationships of classes within our application, showcasing how data and functionality are organized and interact. It provides a blueprint for developers to understand the software architecture and implement robust, scalable solutions.



Sequence Diagrams

The following diagram illustrates the interactions between different components of the system over time. They provide a detailed view of how processes flow within the application, showing the sequence of messages exchanged between objects to complete specific tasks. This helps in understanding the dynamic behavior of the system and ensures accurate implementation of functionalities.





Live Demo



[Find GitHub Repository Her](#)



Conclusion



In conclusion, this resume builder application effectively demonstrates my ability to design and implement a functional web application. It allows users to input their information, select templates, and generate professional CV PDFs. This project highlights my technical skills and commitment to solving real-world problems through practical application development, providing a solid foundation for future endeavors in the tech industry.





Thank You

