Design a Dynamic Frontend with React

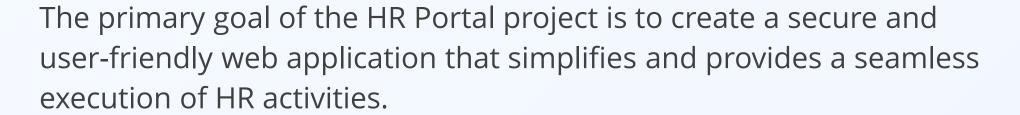


Phase-End Project

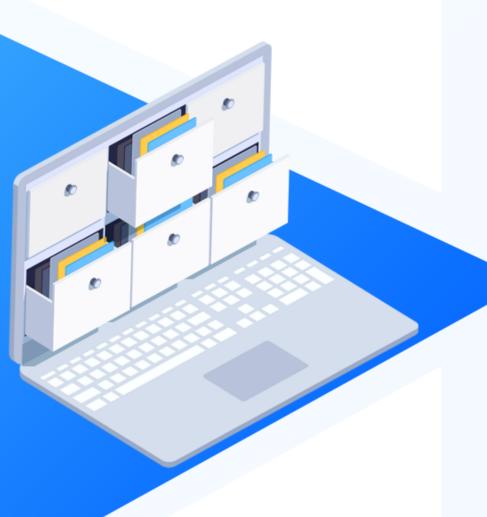


HR Portal

Objective



This portal is designed to empower HR professionals to effectively oversee employee information, sanction leave applications, and simplify the employee onboarding process. Moreover, employees will be able to register, furnish their personal information, and access HR-related services, all of which collectively enhance and streamline the HR processes within the organization.

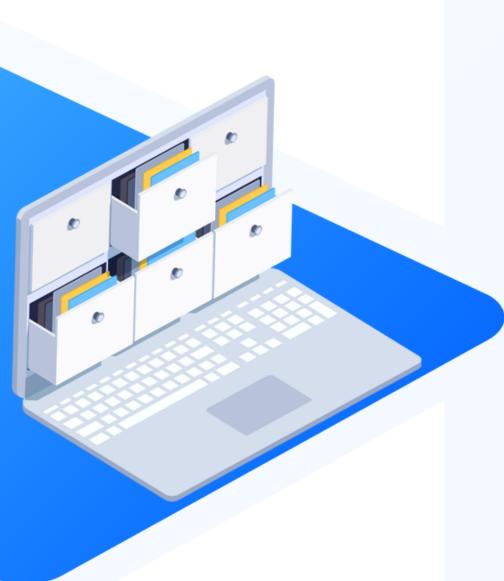


Problem Statement and Motivation

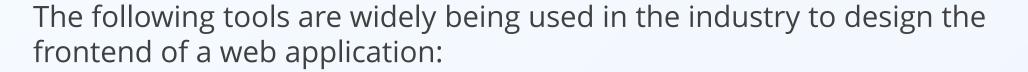


Many organizations struggle with manual and time-consuming Human Resources (HR) management processes. These processes involve managing employee data, handling leave requests, and overseeing employee onboarding. Traditional methods can be error-prone, inefficient, and lack security measures. HR personnel often find it challenging to maintain accurate records and provide a seamless experience for employees.

As a frontend developer, your task is to design and implement the user interface (UI) for the HR Portal, a comprehensive Human Resources management system. Your responsibilities include creating a user-friendly and responsive web application that enables HR personnel and employees to interact with the system seamlessly including the efficient management of attendance regularization requests.



Industry Relevance



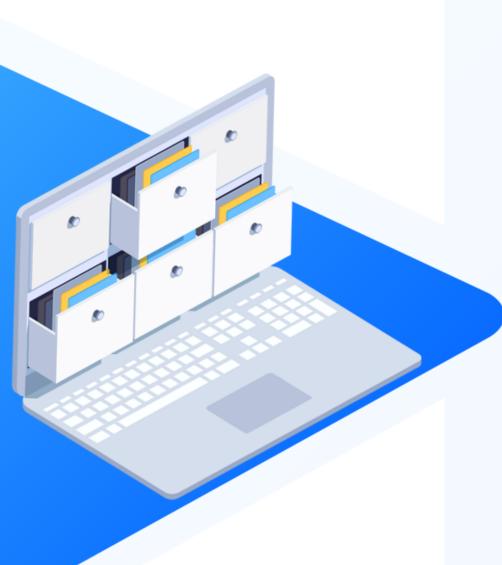
- **1. HTML:** It is used to structure the content on the web pages, laying out the foundation for text, images, and other multimedia elements in the project.
- 2. **CSS:** It is employed to style and layout the web pages designed with HTML. It controls the visual appearance, from fonts and colors to spacing and responsiveness.
- **3. Node.js:** It is a server-side JavaScript runtime environment that enables building scalable and high-performance web applications. It excels in handling I/O operations and is widely used for creating server-side APIs and real-time applications.



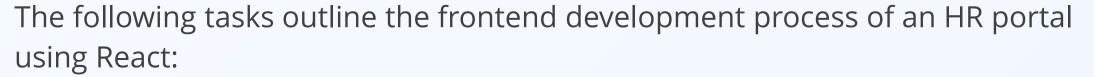
Industry Relevance



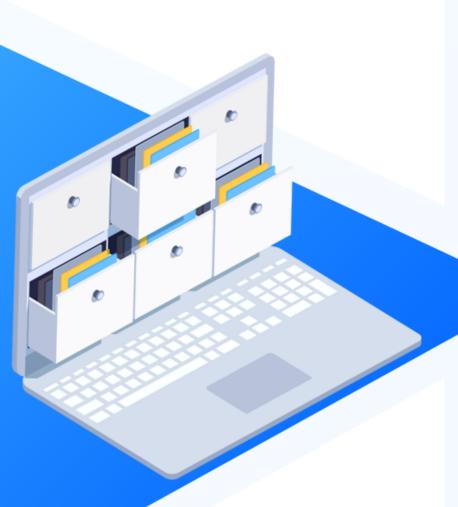
- **5. Bootstrap:** It is a front-end framework used for designing responsive and mobile-first web pages. It provides pre-written CSS and JavaScript templates for various interface components, significantly speeding up the development process.
- **6. React.js:** It is a JavaScript library for building user interfaces, emphasizing component-based architecture and reusability. It facilitates the development of fast, interactive, and maintainable web applications, making it a popular choice among developers.



Tasks



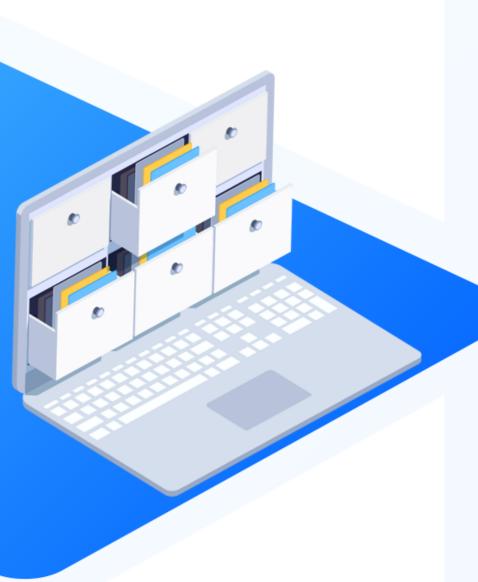
- . Initialize a React project using preferred tools (e.g., Create React App)
- 2. Create user authentication components such as login and signup forms
- 3. Define user roles and implement role-based access control
- 4. Integrate Bootstrap for its responsive design components
- 5. Design components for HR to manage employee profiles
- 6. Implement data storage for employee profiles using JSON
- 7. Design components for leave requests and management



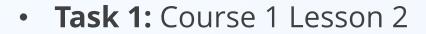
Tasks



- 9. Develop user interfaces for HR and employees with responsive layouts and navigation
- 10. Apply CSS styles and customize the visual theme



Project References

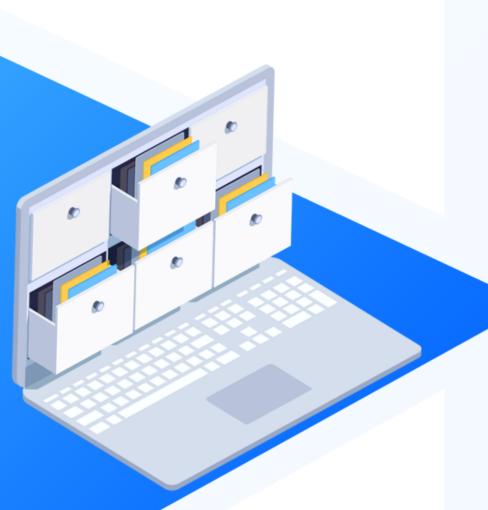


• Tasks 2 and 5: Course 1 Lesson 3

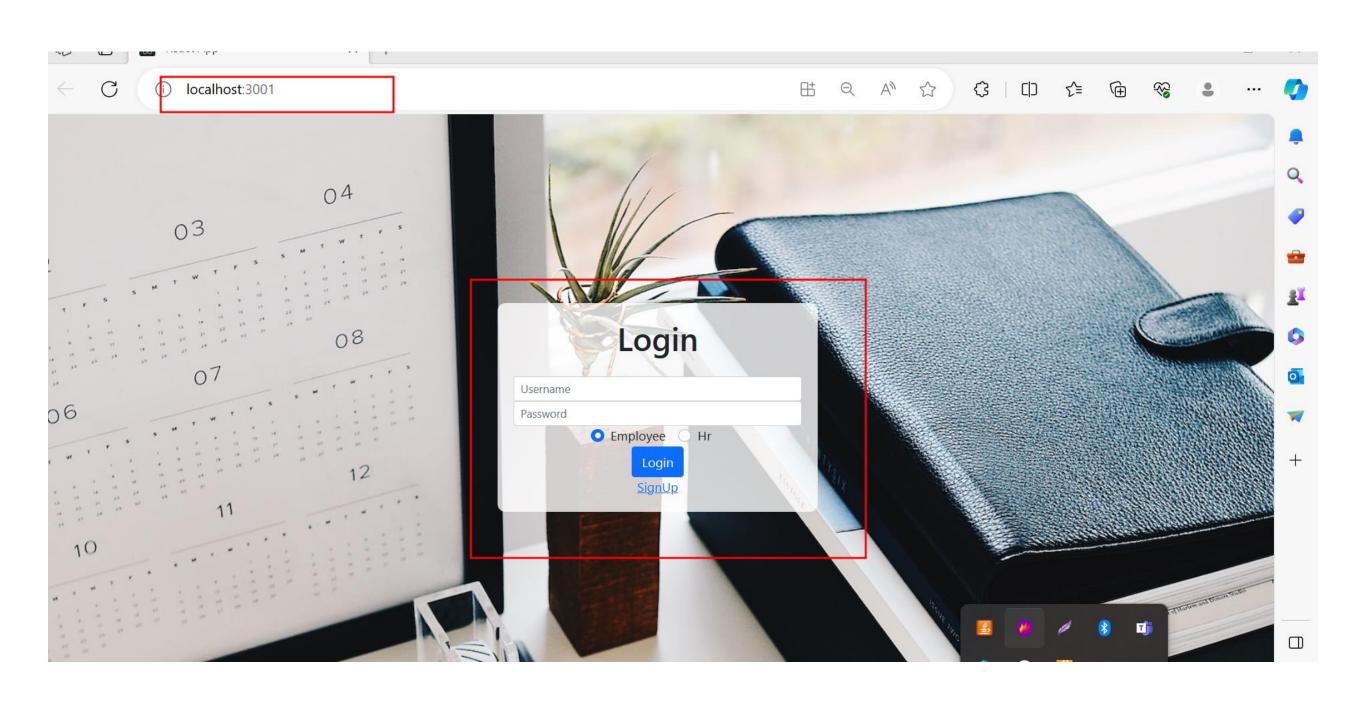
• Task 6: Course 2 Lesson 1

• Tasks 7 and 8: Course 2 Lesson 3

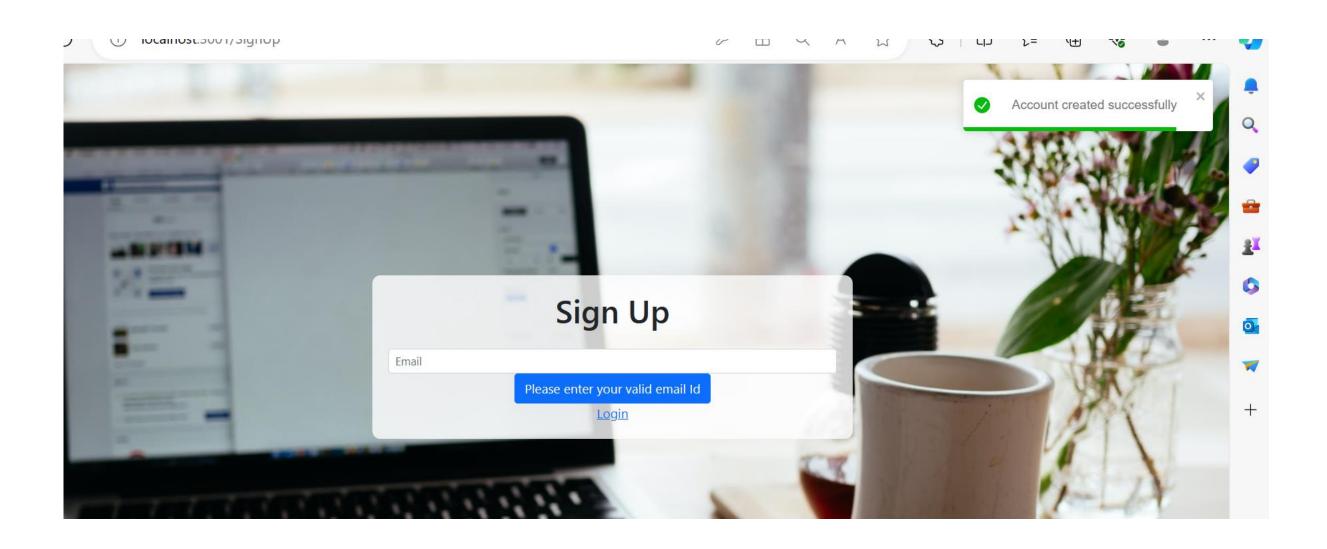
• Task 10: Course 2 Lesson 3



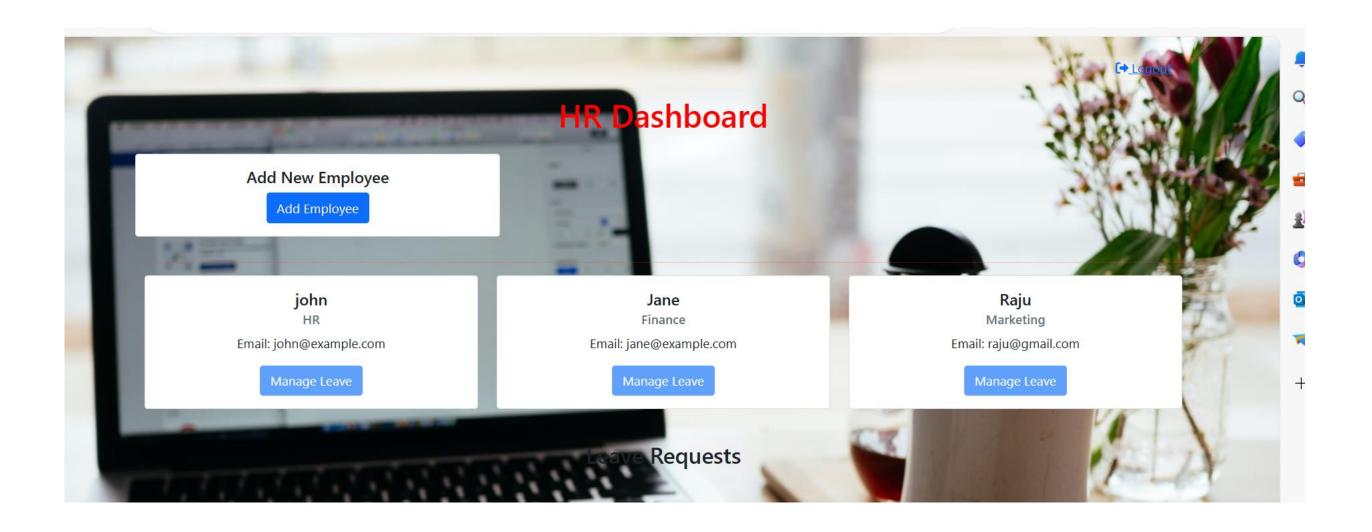
Login page:



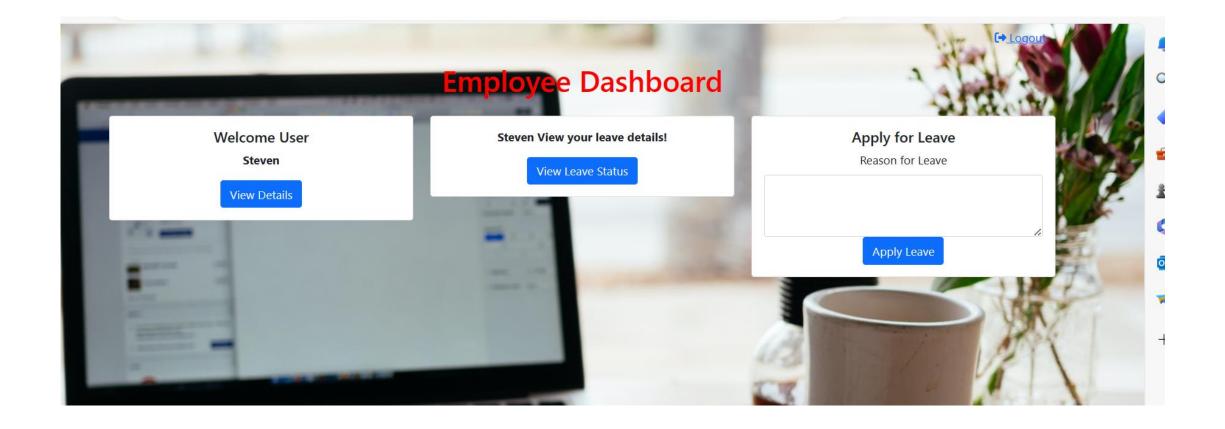
Sign up page:



HR dashboard:



Employee dashboard:



Thank You