

Frontend Engineer Assessment

Finconecta

OVERVIEW & PURPOSE

To evaluate the candidate's understanding of the technical aspects of development, logic and creativity.

INSTRUCTIONS

HTML and CSS

- Create a webpage with a header, footer, and a navigation bar. The navigation bar should have at least 4 links that take the user to different parts of the page.
- Use CSS to style the page with a unique color scheme, fonts, and layout.
- Use CSS animations to create a hover effect on the navigation links.

JavaScript

- Create a React component that fetches data from an API and displays it on the page.
- Create a form component that allows the user to submit data to the API.
- Use React hooks to manage the state of the form component.

React

- Create a React component that displays a list of items. The list should be dynamic and should update in real-time when new items are added or removed.
- Use React Router to create a multi-page application. The application should have at least two pages that the user can navigate to.

Node.js and Express

- Create a server using Node.js and Express.
- Implement CRUD functionality for the API, including creating, reading, updating, and deleting items.
- Implement authentication for the API using JSON Web Tokens (JWT).

MongoDB

- Create a database using MongoDB.

- Use Mongoose to interact with the database.
- Implement a schema for the items stored in the database.

Bonus

- Use Redux to manage the state of the application.
- Use Socket.io to create a real-time chat feature on the page.
- Implement server-side rendering for the application.

DELIVERABLES

Link to repo in Github, Gitlab or similar for the project.