

Full Stack node.js developer test

Create a Node.js application that allows a user to register, login and view their details. The frontend pages should be written in React and Redux which will interact with a restful API the perform the various actions.

To be considered for this position you will need to complete the required pages and API's then return a link to a GitHub repository to retrieve this application. The GitHub repository should also contain an readme.txt file of how to install and configure your application.

Pages required:

- **Registration page** - required

The registration page should accept the users name, email address and password (and confirm password).

On submission this page will send a request to a registration API e.g. POST /user/register

- **Login page** - required

The login page that takes an email address and password then on submission send a POST request to a login API e.g. POST /user/login

- **Landing page** - optional

The landing page will be a shown once the user has registered or logged in.

This page can request the users details to display on the screen e.g. GET /user

- **Homepage** - optional

A homepage with some dummy content and welcome message, including navigation.

Restful API's required:

- POST /user/register - user registration

- POST /user/login - user login

When the login and registration API endpoints receive valid credentials, they should return a 200 response with a success and when it is anything else - it should return an error stating that the authentication / submission has failed.

- GET /user - fetch user details (optional)

Points to note:

- Use React and Redux on the Front End.
- Use MongoDB or your preferred choice to store the user data.
- On the front end create a project in React and Redux that consumes these API endpoints and create a decent looking Front End for a login box and register page.
- Extra points for good validation of registration and login page, including valid email address, adequate passwords and ensuring that the user credentials are unique when registering.
- Extra points for making the login page responsive.
- Extra points given for making the pages look professional and easy to use.
- Extra points for adding a home page and usable navigation
- Extra points for using and supplying unit testing.

- Extra points for using JWT tokens for authentication
- Create the project in GitHub and provide the link
- Create a simple readme file that explains how to run the code