



Frontend Developer Technical Assessment

Link: [Assessment link](#)

Position: Frontend Intermediate Developer

Duration: 7 days from today

Technologies: ReactJS, Redux, Context API

Additional Tools/Technologies: React Router, Axios/Fetch API, JWT, WebSocket, MirageJS, Material-UI or TailwindCSS.

Assessment Overview:

1. Authentication Flow:

- **User Interface for Authentication:**
 - Implement a user interface for user authentication, including forms for registration, login, logout, and password reset.
 - Simulate JWT-based authentication using a mock server like MirageJS to manage user sessions and return dummy tokens.
 - Implement client-side validation and provide appropriate feedback for form errors.
 - Implement unit tests for the authentication components.

2. Assignment Tracking:

- **Assignment Dashboard:**
 - Design and implement a dashboard to display a list of assignments. The dashboard should include:
 - Sorting, pagination, filtering, and searching functionalities.
 - A real-time update mechanism (using WebSocket or any other real-time solution) to automatically refresh the assignment status and data.
 - Allow users to perform CRUD operations (Create, Read, Update, Delete) on assignments via the UI. These actions should be simulated using MirageJS to mock the API.
 - Implement UI components to display assignment details such as name, description, status (todo, in progress, done, error), created at (timestamp), updated at (timestamp), and assignee.
 - Use state management tools (Redux or Context API) to manage the state across the application.



3. API Integration:

- **Integration with Mock Backend:**
 - Use Axios or Fetch API to integrate with MirageJS mock API endpoints.
 - Implement proper error handling and display appropriate messages to the user.

4. UI/UX Design:

- **Responsive Design:**
 - Ensure the application is responsive and works well on desktop and tablet screen sizes.
 - Design a clean and intuitive interface using a modern UI framework (Material-UI, TailwindCSS, or similar).

Submission Details:

- Please create a private GitHub repository and invite the following email addresses: moussa.khodja@attraxia.io. You can push your code to this repository as you progress, and don't hesitate to submit your work even if it's unfinished.

Important Notes:

- Completion is not a strict requirement; we value the quality of code over rushed submissions.
- Feel free to ask any questions if you need clarification on any aspect of the assessment.
- We're looking forward to reviewing your work and getting to know you better through this assessment. If you have any questions or need further assistance, please don't hesitate to reach out.

Best regards,