



FRONTEND DEVELOPER - TEST ASSIGNMENT

Thank you for committing to completing out test task for our Frontend Developer role. Please carefully read through the instructions and if you have any questions, feel free to contact your designated recruiter.

Have fun and good luck!

– The Booming Games Team

Objective:

Create a React application using TypeScript that showcases your ability to work with image data, implement user interactions, and create a visually appealing interface.

Requirements:

Setup:

- Use the latest version of React.
- Set up the project using create-react-app with the TypeScript template.
- Use a state management solution of your choice (e.g., Redux, MobX, Zustand, or React Context).

Feature: Photo Gallery

- Fetch photos from the [JSONPlaceholder API](#).
 - Display the photos in a grid format.
 - Each photo item should display:
 - Thumbnail
 - Title (truncate if too long for the display)
 - Implement pagination or infinite scrolling to load and display more photos as the user scrolls.

Feature: Photo Details Page

- When a photo is clicked in the gallery, navigate to a detailed photo page.
 - This page should display:
 - Full-sized photo
 - Title
 - Album ID
 - Implement a back button to navigate back to the photo gallery.

Feature: Photo Search

- Add a search bar on the gallery page.
- Allow users to search photos by title.

- Display matching results in real-time as the user types.

Styling and Responsiveness:

- Use a CSS-in-JS solution (e.g., styled-components, emotion) or a CSS framework of your choice.
- Ensure the application is responsive and looks good on both desktop and mobile.

Bonus:

- Implement a "favorites" feature where users can mark photos as favorites. These favorites should persist across browser sessions.
 - Add a filter option to view photos by album ID.
 - Implement smooth transitions or animations when navigating between the gallery and details pages.
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Submission:

- Provide the repository link or zip file of code to us.
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Evaluation Criteria:

- Code quality and organization.
 - Adherence to modern best practices and principles.
 - Responsiveness and UI/UX considerations.
 - Proper use of state management.
 - Efficient data fetching and display.
 - Bonus points for additional features and improvements.
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From the day received, you have 2 weeks (14 days) to complete the assignment. If you have any questions, please do not hesitate to reach out to your recruiter.