EDGES

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# Final Project –

# Portfolio Page

## Task Overview

The objective of this project is to design and develop a professional, multi-page portfolio web application using **React**. The application will serve as a showcase of your personal background, technical projects, blog posts, and contact information. It will leverage **React Router** for client-side routing, **Redux** for global state management, **Axios** for HTTP requests, and **React Hooks** for component logic. The app will also feature integration with a **free public API (Quotable)** to demonstrate real-world data fetching and dynamic UI rendering.

## Detailed Requirements

**A) Home Page**

The main landing page will introduce the developer and show a randomly fetched quote using the Quotable API.

**Features:**

1. **Developer Introduction:**
    - Welcome message
    - Name, profession, short bio
    - Navigation links to other pages
2. **Random Quote Display (via API):**
    - Automatically fetch a quote on page load
    - Display:
        - Quote text
        - Author
    - Include a button to fetch a new quote

**React Requirements:**

- Use useEffect to fetch the quote.
- Use useState to store quote data.
- Use Axios to call the API (https://api.quotable.io/random).
- Handle loading and error states.

**Redux Requirements:**

- Store the quote in Redux global state.
- Dispatch actions to update the quote on button click.

**CSS Requirements:**

- Responsive layout
- Quote box styled as a card

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**B) About Page**

This page highlights personal and professional background.

**Features:**

- Bio
- Technical skills (e.g., HTML, CSS, JS, React)
- Education
- Optional profile image

**React Requirements:**

- Use functional components and Hooks
- Optionally manage theme (dark/light) with Redux

**CSS Requirements:**

- Responsive two-column layout
- Styled skill tags or progress bars

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**C) Projects Page [Optional but preferable]**

This page will dynamically load and display GitHub repositories.

**Features:**

- List of public GitHub repositories
- Show:
  - Repo name
  - Description
  - Link to GitHub
  - Star count (if available)

**React Requirements:**

- Use useEffect and Axios to fetch data from:
  - https://api.github.com/users/YOUR_USERNAME/repos
- Store project list in Redux for reusability across components

**CSS Requirements:**

- Project list styled using flex or grid
- Responsive design for desktop/tablet/mobile

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**D) Blog Page**

This page fetches and displays technical blog posts from Dev.to.

**Features:**

- Fetch posts via Dev.to API:
  - https://dev.to/api/articles?username=YOUR_USERNAME
- Display:
  - Title
  - Publish date
  - Preview/excerpt
  - Link to full post

**React Requirements:**

- Use useEffect + Axios to fetch blog posts
- Store blog data in Redux

**CSS Requirements:**

- Blog cards styled consistently
- Include hover animation for card interaction

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**E) Contact Page**

This page contains a contact form integrated with **Formspree** or another free service.

**Features:**

- Input fields:
  - Name
  - Email
  - Message
- Submit button
- Success/failure message after submission

**React Requirements:**

- Use useState for form data
- Form submission using fetch or Axios

- Form validation (required fields, email format)

**CSS Requirements:**

- Form styled with spacing and error/success states
- Responsive mobile-friendly layout

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**F) Navigation & Routing**

All pages should be accessible via a top navbar using **React Router**.

**Features:**

- Navigation bar with links to:
  - Home
  - About
  - Projects
  - Blog
  - Contact
- Highlight active route
- Page transition animations (optional)

**React Requirements:**

- Use react-router-dom for routing
- Organize pages as separate components
- Optional: Use Framer Motion for page transitions

**Thank You**

**Edges For Training Team**