Tasks for React.js & Tailwind CSS Fresher (3 Months Trained)

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1. Build a Responsive Navbar

- Create a navbar with **logo, menu items, and a profile/avatar section**.
- Use **Tailwind CSS** for responsiveness:
- Desktop: full menu visible.
- Mobile: collapsible menu with hamburger icon.
- Bonus: Add active link highlighting.

Skills tested: JSX, Tailwind, responsive design, state (for mobile menu toggle).

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2. Create a Card Component

- Build a reusable **Card component** that shows: image, title, description, and a button.
- Accept **props** for image, title, description, and button text.
- Bonus: Add hover effects and shadow using Tailwind.

Skills tested: Component reusability, props, Tailwind styling.

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3. Product List Page

- Create a **Product Listing Page** that fetches data from a mock API (`https://fakestoreapi.com/products`).
- Display products in **grid layout** with Tailwind.
- Bonus: Implement a **loading skeleton** while fetching.

Skills tested: React hooks (`useEffect`, `useState`), API calls, Tailwind grids, conditional rendering.

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4. Form Handling

- Build a **registration form** with inputs: Name, Email, Password, Confirm Password.
- Add **form validation** (like required fields, email format, password match).
- Style form using **Tailwind CSS**.
- Bonus: Show **success/error messages** on submission.

Skills tested: React forms, state management, conditional rendering, Tailwind form styling.

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5. Simple Todo App

- Implement a **Todo app**: add, delete, mark as completed.
- Use **local state** (`useState`) to store tasks.

• Bonus: Save tasks in **localStorage** to persist on refresh.

Skills tested: React state management, event handling, conditional rendering, Tailwind styling.

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6. Modal Popup Component

• Create a reusable **Modal component**.
• Trigger it via a button click.
• Modal should support **custom content** via props.
• Bonus: Add **close on outside click** or **ESC key**.

Skills tested: Props, state, conditional rendering, Tailwind positioning & overlay.

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7. Responsive Pricing Table

• Build a **pricing table** with 3 plans: Basic, Standard, Premium.
• Display cards horizontally on desktop, stacked vertically on mobile.
• Highlight the recommended plan with Tailwind styles.

Skills tested: Flex/grid, Tailwind responsiveness, component reuse.

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8. Image Gallery with Lightbox

• Display a gallery of images.
• Clicking an image opens a **lightbox/modal** with larger view.
• Bonus: Add **next/previous navigation** inside modal.

Skills tested: Event handling, conditional rendering, props, Tailwind layouts.

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9. Theme Toggle (Dark/Light Mode)

• Add a **toggle button** to switch between dark/light mode.
• Use Tailwind's **dark mode classes**.
• Bonus: Save preference in **localStorage**.

Skills tested: Tailwind dark mode, React state, localStorage.

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10. Mini Dashboard

• Create a **dashboard layout** with a sidebar and main content.
• Sidebar has links (Dashboard, Profile, Settings).
• Main area can show **cards/statistics** (mock data).
• Bonus: Sidebar collapsible on mobile.

Skills tested: Layouts, Tailwind responsive grids/flex, component composition.

Tips for Assigning Tasks:

- Start with **tasks 1–4** for basic understanding.
- Gradually move to **tasks 5–10** for intermediate skills.
- Encourage **clean folder structure**, reusable components, and commenting code.