Testing, Performance Optimization and Deployment

Unit/Integration testing

- Jest (https://jestjs.io/)
- React-Testing-Library (https://testing-library.com/docs/react-testing-library/intro)
- Cypress (https://docs.cypress.io/guides/component-testing/react/overview)

State management in ReactJS

- React-Redux (https://react-redux.js.org/) and RTK (https://redux-toolkit.js.org/)
- Zustand (https://github.com/pmndrs/zustand)
- Jotai (https://github.com/pmndrs/jotai)
- Recoil (https://github.com/facebookexperimental/Recoil)
- Context (useContext) [https://react.dev/reference/react/createContext]

Performance and Optimization

- Lazy loading (https://react.dev/reference/react/lazy)
- code splitting (https://legacy.reactjs.org/docs/code-splitting.html)
- service workers/PWA
- Windowing or list virtualization (https://github.com/bvaughn/react-virtualized / https://github.com/bvaughn/react-window)
- useCallback (https://react.dev/reference/react/useCallback)
- useMemo (https://react.dev/reference/react/useMemo)

Application performance analytical tools

- https://pagespeed.web.dev/

Deployment

- Netlify (https://www.netlify.com/)
- Vercel (https://vercel.com/)

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