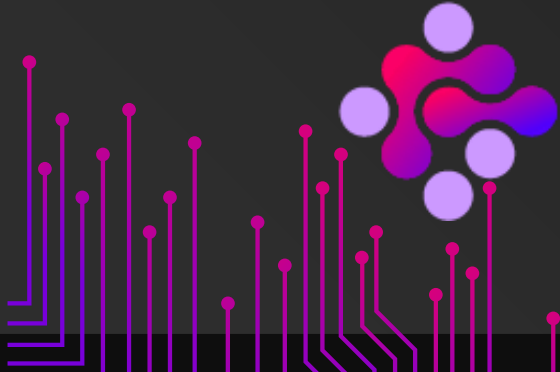


NPM Packages for React Development





List of packages we'll cover

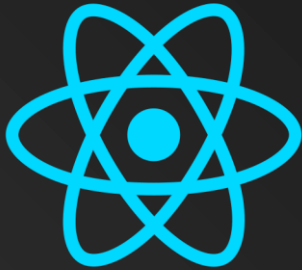
1. @reduxjs/toolkit
2. axios
3. bootstrap & react-bootstrap
4. react & react-dom
5. react-icons
6. react-paginate
7. react-redux
8. react-toastify
9. redux-persist
10. react-scripts
11. react-router-dom



Installation Copy This Code

```
npm install @reduxjs/toolkit axios bootstrap react react-bootstrap react-dom react-icons react-paginate  
react-redux react-toastify redux-persist react-scripts react-router-dom
```

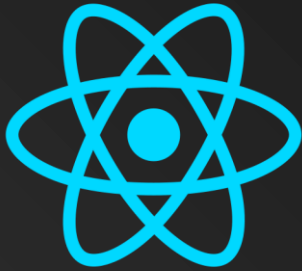




1. @reduxjs/toolkit

- Official, opinionated toolset for efficient Redux development
- Includes utilities to simplify common Redux use cases
- **Features:** `configureStore()`, `createReducer()`, `createAction()`, `createSlice()`
- Helps reduce boilerplate code in Redux applications

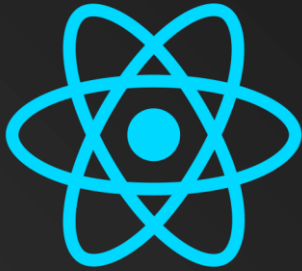




2. Axios

- Promise-based HTTP client for browser and Node.js
- Features:
 - ✓ Make XMLHttpRequests from the browser
 - ✓ Make HTTP requests from Node.js
 - ✓ Supports the Promise API
 - ✓ Intercept request and response
 - ✓ Transform request and response data

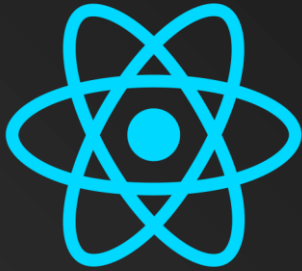




3. Bootstrap & React-Bootstrap

- Bootstrap: Popular CSS framework for responsive, mobile-first front-end development
- React-Bootstrap:
 - ✓ React components that implement Bootstrap's design
 - ✓ No dependency on Bootstrap's JavaScript or jQuery
 - ✓ Fully accessible components following WAI-ARIA standards

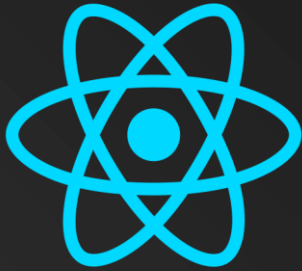




4. React & React-DOM

- React: JavaScript library for building user interfaces
 - ✓ Component-based architecture
 - ✓ Virtual DOM for efficient updates
- React-DOM:
 - ✓ Package for DOM-specific methods
 - ✓ Renders React components to the DOM

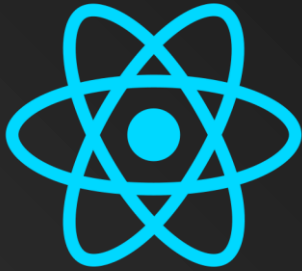




5. React-Icons

- Library that includes popular icon packs as React components
- Supports icons from:
 - ✓ Font Awesome
 - ✓ Material Design
 - ✓ Ionicons
 - ✓ And many more
- Easy to use: `import { FaBeer } from 'react-icons/fa'`

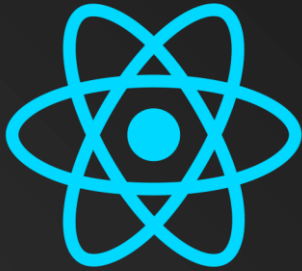




6. React-Paginate

- Component for adding pagination to React applications
- Customizable appearance and behavior
- Handles page numbers, previous/next buttons
- Useful for displaying large sets of data

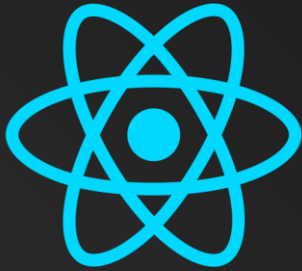




7. React-Redux

- Official React bindings for Redux
- Allows React components to read data from a Redux store and dispatch actions
- Key features:
 - ✓ <Provider> component for making store available
 - ✓ useSelector() hook for accessing state
 - ✓ useDispatch() hook for dispatching actions

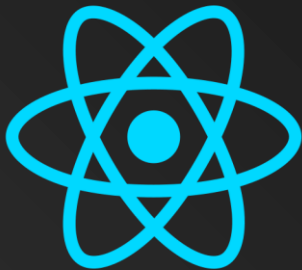




8. React-Toastify

- Library for adding toast notifications to React apps
- Easy to use and highly customizable
- Features:
 - ✓ Multiple toast types (success, error, info, etc.)
 - ✓ Custom positioning
 - ✓ Progress bar
 - ✓ Callbacks and promises

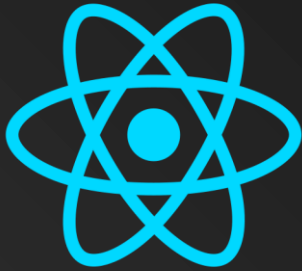




9. Redux-Persist

- Library for saving and rehydrating Redux stores
- Persists state to storage (e.g., localStorage) and rehydrates on app startup
- Customizable storage engines and data transformations
- Useful for maintaining app state across sessions

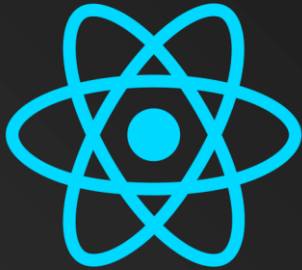




10. React-Scripts

- Set of scripts and configuration used by Create React App
- Includes:
 - ✓ Development server with hot reloading
 - ✓ Build script for production
 - ✓ Test runner
- Abstracts away complex webpack and Babel configurations





11. React-Router-DOM

- Declarative routing for React applications
- Allows navigation without refreshing the page
- Key features:
 - ✓ `<BrowserRouter>` for client-side routing
 - ✓ `<Route>` for defining routes
 - ✓ `<Link>` for navigation
- Hooks like `useParams()` and `useNavigate()`

