

Folder structure of react

The folder structure of a typical React application created using create-react-app (CRA) looks like this:

```
my-react-app/
├── node_modules/           // Dependencies installed by npm or
yarn                        // yarn
├── public/                 // Public assets and HTML template
│   ├── index.html          // The HTML template for your app
│   ├── favicon.ico         // Favicon (can be replaced)
│   └── ...
├── src/                    // Source code for your React
application
│   ├── App.js              // Main application component
│   ├── index.js            // Entry point for your app
│   └── index.css           // Global CSS styles (can be split
into multiple files)
│   ├── components/        // Directory for React components
│   │   ├── Component1.js  // Example component
│   │   ├── Component2.js  // Example component
│   │   └── ...
│   └── assets/            // Static assets like images, fonts,
etc.
│   ├── services/          // Backend service integrations
(optional)
│   └── utils/             // Utility functions (optional)
│       └── ...
├── package.json            // Project configuration and
dependencies
├── package-lock.json       // Dependency lock file (auto-
generated)
├── README.md              // Project documentation
├── .gitignore             // List of files/folders to be ignored
by Git
└── ...
```

Here's a breakdown of the key directories and files in the structure:

- **node_modules/**: This directory contains all the dependencies and packages required for your project. You don't need to manually manage this directory; npm or yarn handles it for you.
- **public/**: This directory contains static assets and the HTML template for your application. The `index.html` file is the main HTML file where your React app is injected. You can also place other assets like images or a favicon in this directory.

- **src/**: This is where the bulk of your application's code resides:
 - **App.js**: The main component of your application.
 - **index.js**: The entry point for your app where it's connected to the DOM and the main `App` component is rendered.
 - **index.css**: Global CSS styles for your application. You can split your styles into multiple files if needed.
 - **components/**: This directory is where you'll create your React components. Each component typically has its own file.
 - **assets/**: A place to store static assets like images, fonts, and other files used by your application.
 - **services/**: If your app interacts with a backend or API, you can place service integration code here (optional).
 - **utils/**: Utility functions or helper code can go in this directory (optional).
- **package.json**: This file contains project metadata, dependencies, and scripts. It's used by npm or yarn to manage your project.
- **package-lock.json**: This is an automatically generated file that keeps track of specific versions of dependencies to ensure consistency across different installations.
- **README.md**: This is where you can document your project, including installation instructions, usage, and any other relevant information.
- **.gitignore**: A file that specifies which files and directories should be ignored by Git when version controlling your project.

This structure provides a good starting point for most React applications. As your project grows in complexity, you may choose to organize your files differently or add more directories to suit your specific needs.