

Create your own react application:

The screenshot shows a web browser window displaying the Microsoft Learn article "Create your React app". The address bar shows the URL `learn.microsoft.com/en-us/windows/dev-environment/javascript/react-on-windows`. On the left, a sidebar menu is visible with the following items: "Filter by title", "Windows development environment", "Developer tools", "Development paths", "Get started with JavaScript" (with sub-items "Overview", "Get started with NodeJS", and "Get started with React"), "Install on Windows" (highlighted), "Install React Native for Windows", "Install React Native for Android", "Install NextJS", "Install Gatsby", "Tutorial for beginners", "Get started with Vue", and "Download PDF". The main content area has the title "Create your React app" and a sub-header "To install the full React toolchain on WSL, we recommend using create-react-app:". It lists three steps: 1. Open a terminal (Windows Command Prompt or PowerShell). 2. Create a new project folder: `mkdir ReactProjects` and enter that directory: `cd ReactProjects`. 3. Install React using create-react-app, a tool that installs all of the dependencies to build and run a full Reactjs application: `npx create-react-app my-app`. A "Note" box explains that `npx` is the package runner used by npm to execute packages in place of a global install.

Create your React app

To install the full React toolchain on WSL, we recommend using create-react-app:

1. Open a terminal(Windows Command Prompt or PowerShell).
2. Create a new project folder: `mkdir ReactProjects` and enter that directory: `cd ReactProjects`.
3. Install React using create-react-app, a tool that installs all of the dependencies to build and run a full Reactjs application:

```
PowerShell
npx create-react-app my-app
```

Note
`npx` is the package runner used by npm to execute packages in place of a global install. It basically creates a temporary install of React so that with each new project you are using the most recent version of React (not whatever version was current when you performed the global install above). Using the

The screenshot shows a Windows PowerShell terminal window titled "npm exec create-react-app my-app". The terminal output is as follows:

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\M IGNECIA RATHNA> mkdir ReactProjects

Directory: C:\Users\M IGNECIA RATHNA

Mode                LastWriteTime         Length Name
----                -
d-----          07-03-2023  08:41 PM             ReactProjects

PS C:\Users\M IGNECIA RATHNA> cd ReactProjects
PS C:\Users\M IGNECIA RATHNA\ReactProjects> npx create-react-app my-app
Need to install the following packages:
  create-react-app@5.0.1
Ok to proceed? (y) y
[ ] - reify:create-react-app: sill bulk request {
```

The terminal window is part of a Windows desktop environment. The taskbar at the bottom shows icons for various applications, including a web browser, file explorer, and several development tools. The system tray on the right shows the date and time as 31°C Mostly sunny.

```
npm install react react-dom react-scripts cra-template
Windows PowerShell
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PS C:\Users\M IGNECIA RATHNA> mkdir ReactProjects

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Mode                LastWriteTime         Length Name
----                -
d-----          07-03-2023   08:41 PM             ReactProjects

PS C:\Users\M IGNECIA RATHNA> cd ReactProjects
PS C:\Users\M IGNECIA RATHNA\ReactProjects> npx create-react-app my-app
Need to install the following packages:
  create-react-app@5.0.1
Ok to proceed? (y) y
npm WARN tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please
  upgrade asap.

Creating a new React app in C:\Users\M IGNECIA RATHNA\ReactProjects\my-app.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

[██████████] / idealTree:my-app: timing      Completed in 10381ms
```

```
npm install @testing-library/jest-dom@^5.14.1 @testing-library/react@^13.0.0 @testing-library/user-event@^13.2.1 web-vitals...
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\M IGNECIA RATHNA> mkdir ReactProjects

Directory: C:\Users\M IGNECIA RATHNA

Mode                LastWriteTime         Length Name
----                -
d-----          07-03-2023   08:41 PM             ReactProjects

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Ok to proceed? (y) y
npm WARN tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please
  upgrade asap.

Creating a new React app in C:\Users\M IGNECIA RATHNA\ReactProjects\my-app.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1417 packages in 6m

231 packages are looking for funding
  run `npm fund` for details

Initialized a git repository.

Installing template dependencies using npm...
[██████████] | idealTree:@testing-library/react: timing Completed
```

```
C:\WINDOWS\system32\cmd.exe

Created git commit.

Success! Created my-app at C:\Users\M IGNECIA RATHNA\ReactProjects\my-app
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

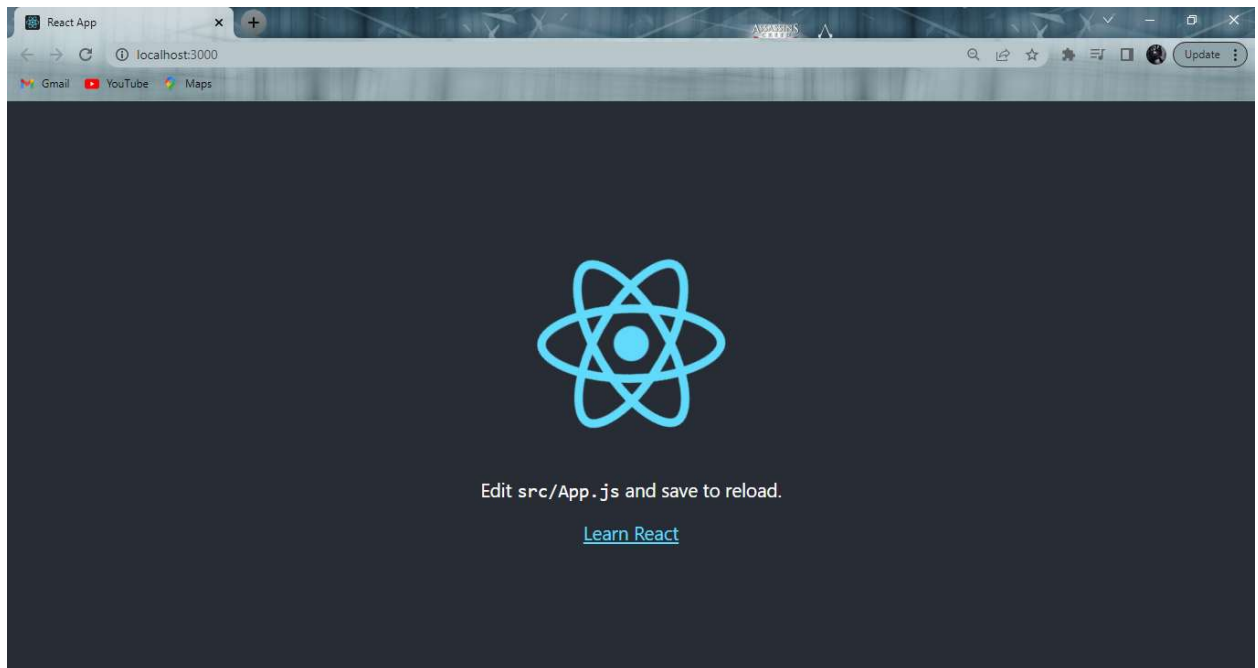
  cd my-app
  npm start

Happy hacking!
npm notice
npm notice New minor version of npm available! 9.5.0 -> 9.6.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v9.6.0
npm notice Run npm install -g npm@9.6.0 to update!
npm notice
PS C:\Users\M IGNECIA RATHNA\ReactProjects> npm install -g npm@9.6.0

added 1 package in 29s

16 packages are looking for funding
  run `npm fund` for details
PS C:\Users\M IGNECIA RATHNA\ReactProjects> cd my-app
PS C:\Users\M IGNECIA RATHNA\ReactProjects\my-app> npm start

> my-app@0.1.0 start
> react-scripts start
```



```
Windows PowerShell
Compiled successfully!

You can now view my-app in the browser.

  Local:            http://localhost:3000
  On Your Network:  http://192.168.0.106:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

