

Javascript Chapter 1

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June 29, 2024

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Before getting started

We will be going over the basics of Javascript and developiong in React in this course. Here are some great resources to get started.

▶ react.dev

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- ▶ react.dev
 - ▶ React's development website

Environment setup NVM

Here are the basic steps to running python.

On a Windows PC, you will need NVM to download React: NVM
Windows

On Linux, you will run the following command 'curl -o-
<https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.7/install.sh> — bash' Then, 'source /.bashrc' if shell
is bash (use 'which \$SHELL') to see which shell you have

IDE

1. VSCode, a very popular text editor in electron. Great for industry practice
2. Neovim/Vim, I personally use Neovim because I hate myself

Environment Setup NVM

Once you have NVM, you can run 'nvm install 20' in the terminal to install node, which will allow you to install Next JS

Environment Setup Next JS

Now that we have node, it runs Javascript in the terminal, now we can grab a React framework. We will go with Next JS, which has a javascript backend and frontend.

Run the command '`npx create-next-app@latest`' and use the next slides options

Environment Setup Next Options

What is your project named? ... wsu-example-project Would you like to use TypeScript? ... No / Yes Would you like to use ESLint? ... No / Yes Would you like to use Tailwind CSS? ... No / Yes Would you like to use 'src/' directory? ... No / Yes Would you like to use App Router? (recommended) ... No / Yes Would you like to customize the default import alias (@/*)? ... No / Yes Creating a new Next.js app in /home/zeak/WSU-Javascript-Workshop-2024/wsu-example-project.

Environment Setup Next Options

Now we run the server which hosts the webpage at localhost:3000.
'npm run dev'

Live Reloading

Live Reloading occurs when you update the page. You should be able to see your changes live. Try changing the page tsx to the below example code

Remove all of `src/app/page.tsx` until it is a blank component like the following slide

Page TSX Basic Example Code

```
import Image from "next/image";
import styles from "../page.module.css";

export default function Home() {
  return (
    <main className={styles.main}>
      Test
    </main>
  );
}
```