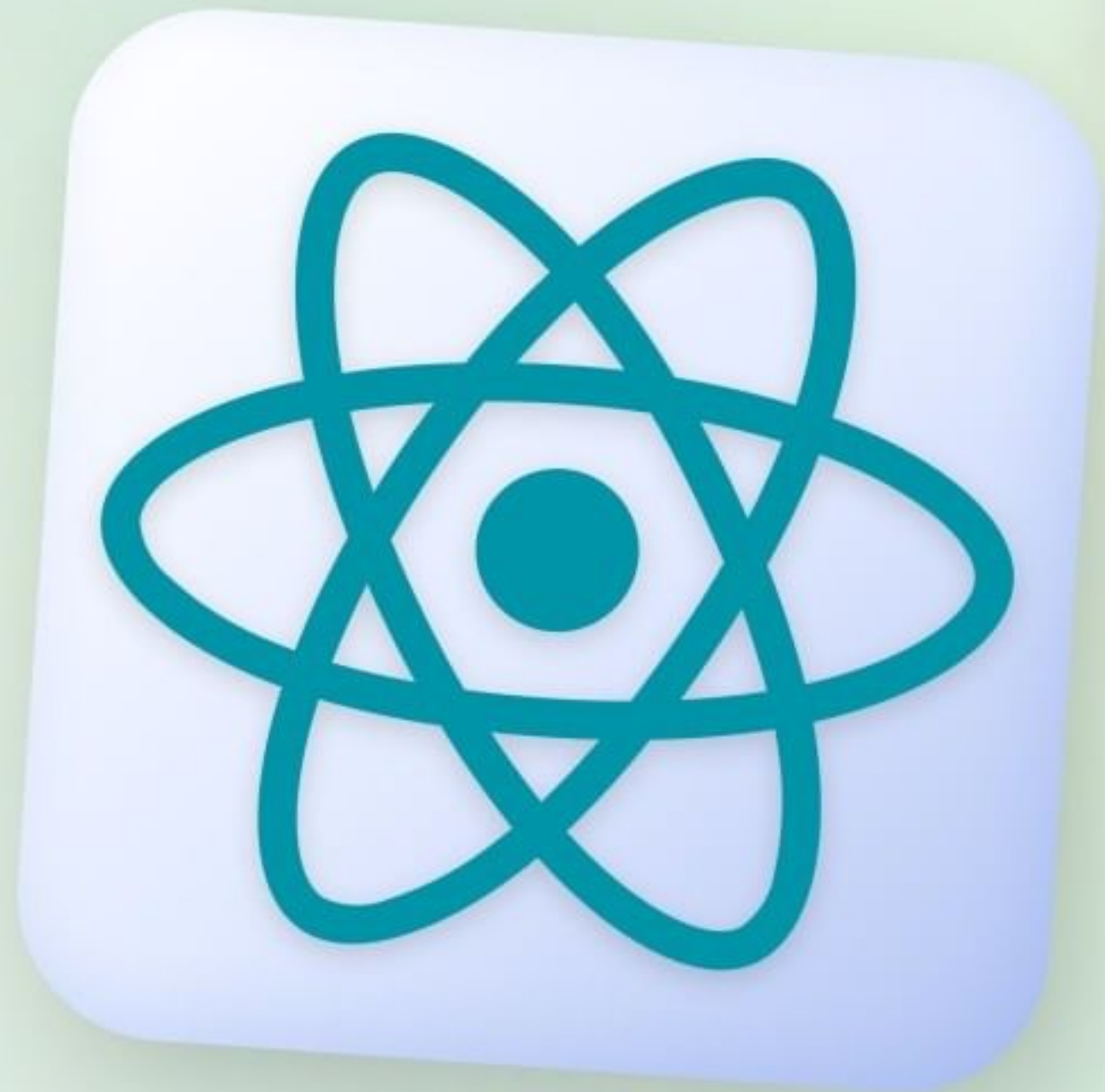


Everything you need to know about...

ReactJS File Structure

...in only 7 slides. 📈📈📈



Emil

@codewithemil





Hey there! 🙌

The create-react-app tool is set to create a predetermine group of files and folders. Today, I'm going to explain you this structure and the uses of every single file/folder so that you have a better understanding of the work that's going on behind our screens.

Swipe left! ➡

React File Structure

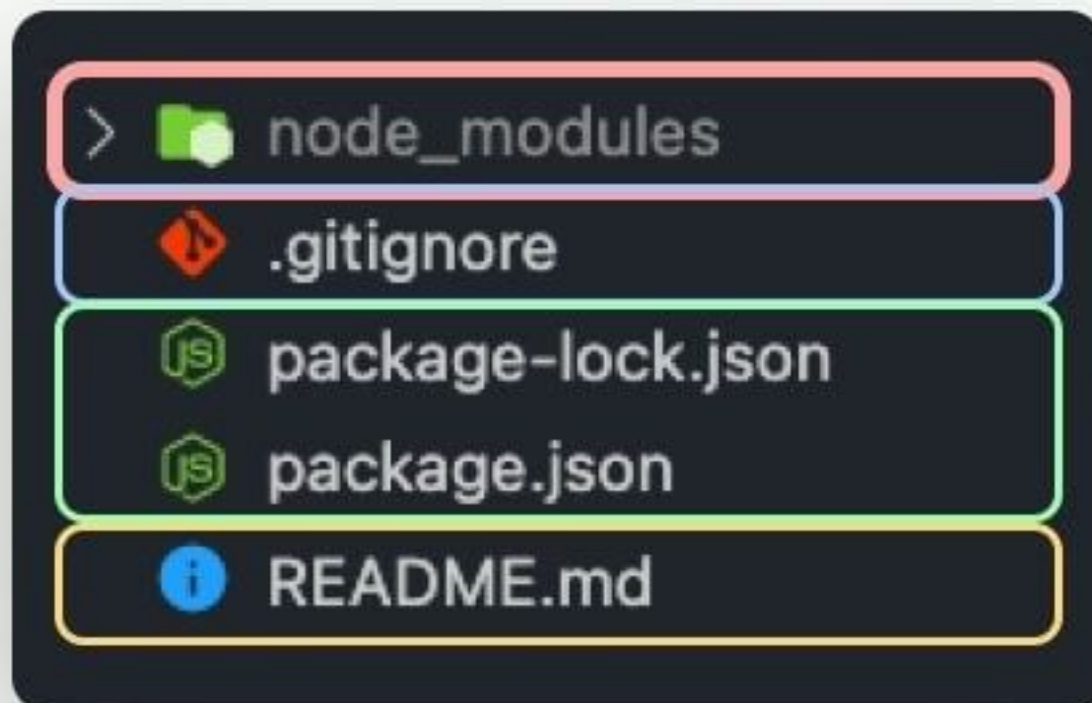


- Here's what our original structure should look like **after creating a project**:
- As you can see, there are a lot of **files** and **folders** here. Some of them **shouldn't be modified at all** during production.

```
> node_modules
└─ public
   ├── favicon.ico
   ├── index.html
   ├── logo192.png
   ├── logo512.png
   ├── manifest.json
   └── robots.txt
└─ src
   ├── App.css
   ├── App.js
   ├── App.test.js
   ├── index.css
   ├── index.js
   ├── logo.svg
   ├── reportWebVitals.js
   ├── setupTests.js
   ├── .gitignore
   ├── package-lock.json
   ├── package.json
   └── README.md
```




Root Folder



👉 This is the **folder section** we're talking about.

Folder

node_modules

Contains all the **dependencies** that are needed for an **initial working React app**.

File

package.json

This file contains **several relevant metadata**.

File

.gitignore

This file specifies **intentionally untracked files** that Git should ignore.

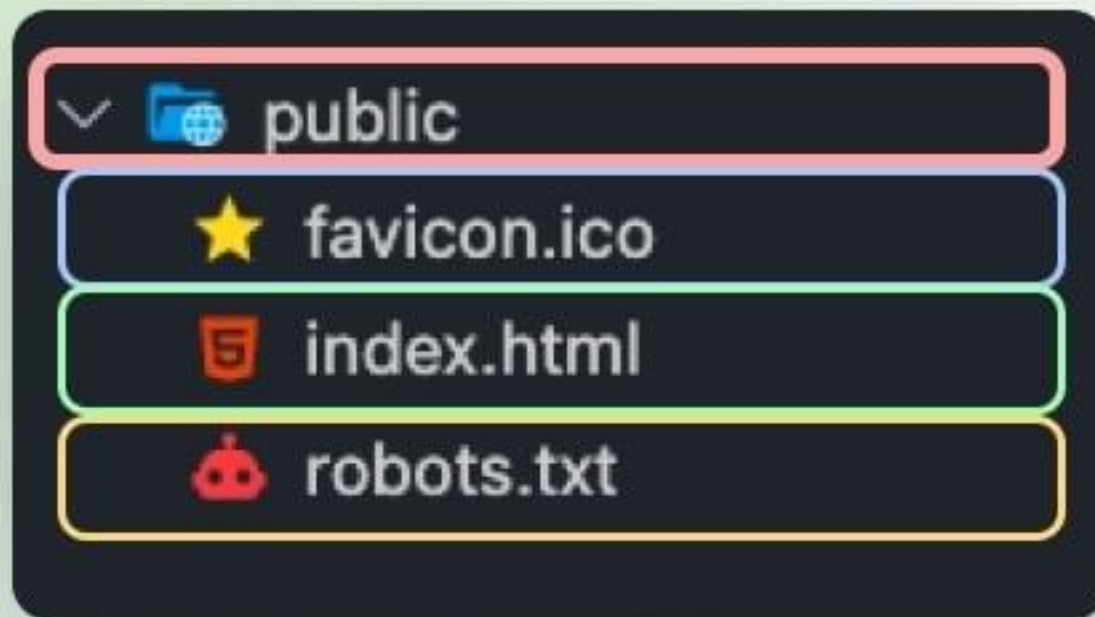
File

README.md

This file can be used to **define/describe usage** of the **project**.



Public Folder



👉 This is the **folder section** we're talking about.

Folder
public

The Root folder that is **presented in the web** as **our React App**.

File
index.html

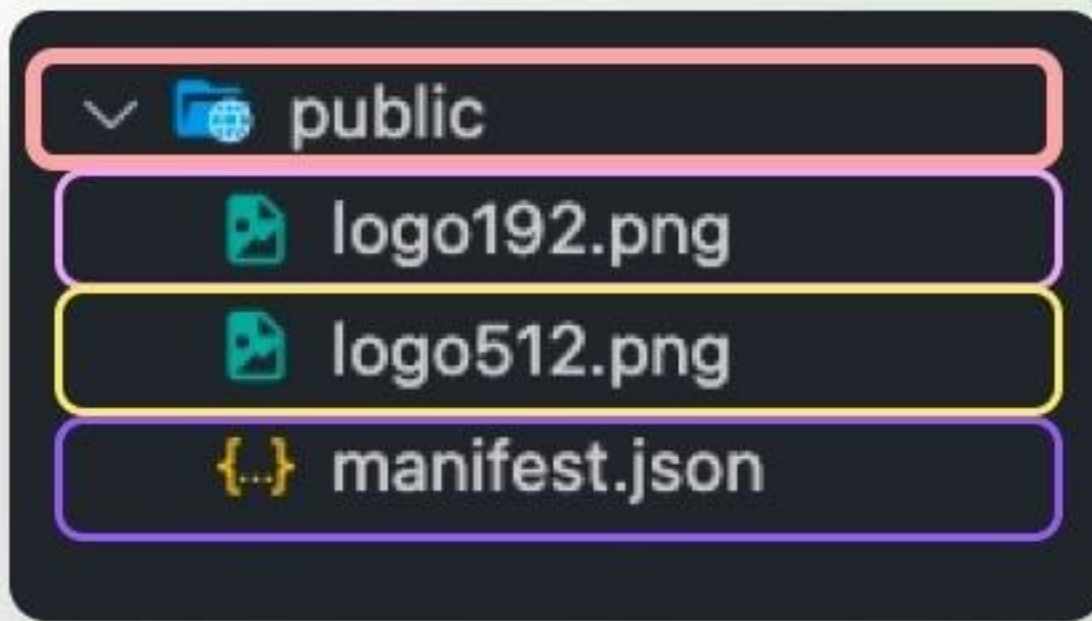
The **template file** that shows up when we **launch our app**.
(Where React renders)

File
favicon.ico

The **icon that will appear** when someone visits our website.

File
robots.txt

Defines rules for crawlers, spiders & scrapers when accessing the app.



Same folder
as last slide!

Folder

public



The Root folder that is
presented in the web
as **our React App**.

File

logo192.png



A **React logo** with the
given dimensions
(**192px*192px**).

File

logo512.png



Another React logo with
much bigger dimensions
(**512px*512px**).

File

manifest.json

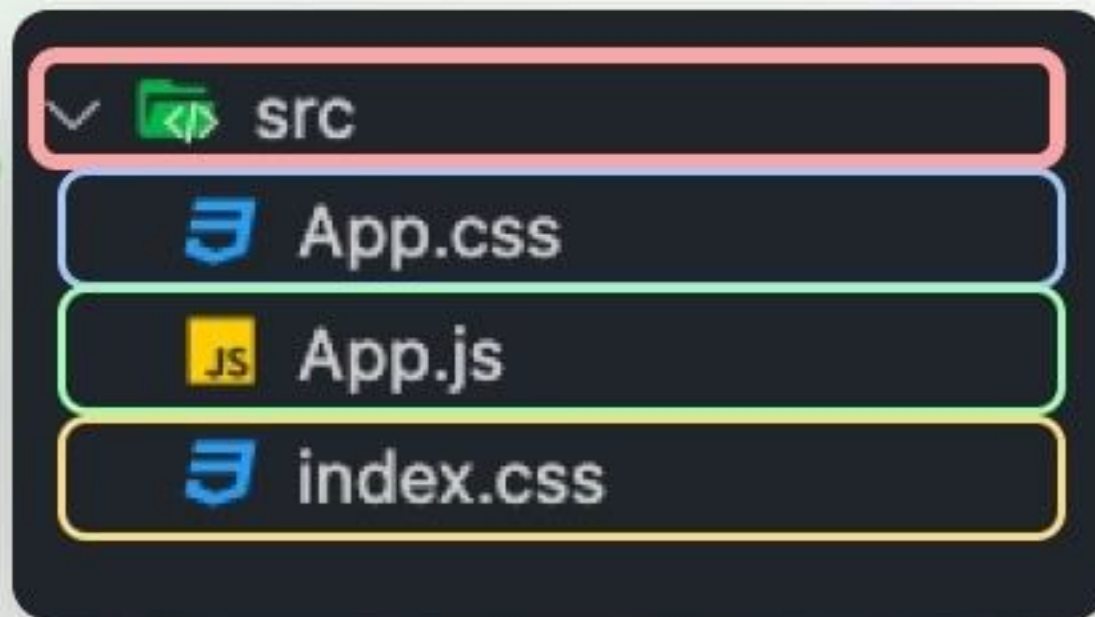


It is used to define our
app. **Contains metadata**
and is used by **mobile
phones** to add a **web app
version of our project to
their homescreen**.



Src Folder

👉 This is the **folder section** we're talking about. ⚡



Folder
src

This is our **React App Folder**. Components and CSS go here.

File
App.css

Contains **styles** of our **React Components** (App.js).

File
App.js

It has **very basic React Components** inside. **Replace them** for your root/main component.

File
index.css

Contains styles/
general style setup for our app.



Same folder
as last slide!



File

App.test.js



A **very basic test** for the **default app**. You can replace it with your own!

File

logo.svg



An **SVG file of the React logo** used in a component (App.js) by default.

File

index.js



This file **renders our components** into the **index.html** file.

File

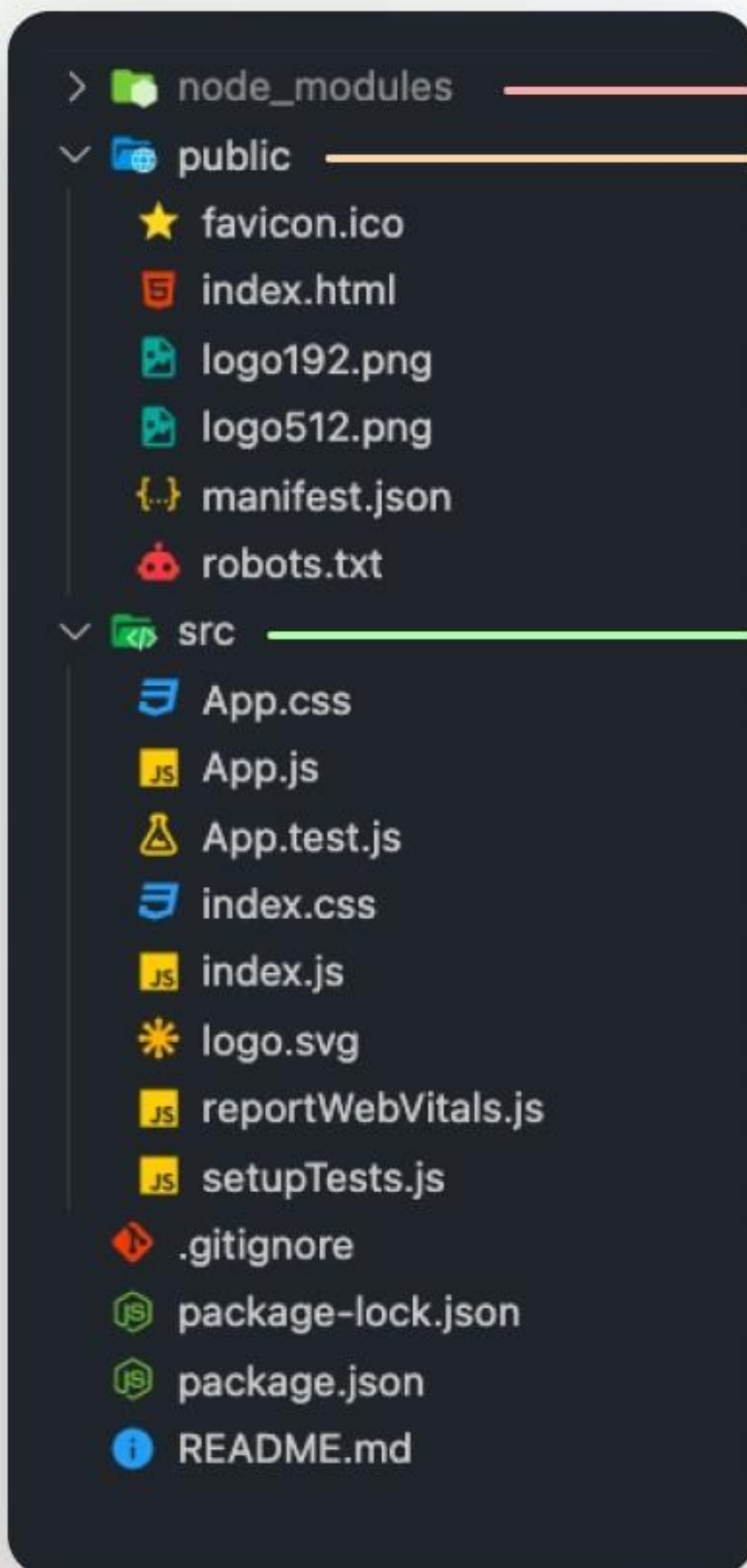
setupTests.js



This file **sets up and runs tests**. This file is invoked when the command "**npm run test**" is executed.

What folders...

...can we edit without causing issues?



 DON'T!

 Be careful on what you're doing (manifest.json & robots.txt)

 You can edit all files here!

Issue-ometer



DON'T!



Be careful on what you're doing



You can edit!



**Thank you for
reading! 🔥**

#StandWithUkraine

By: @codewithemil 🦋

