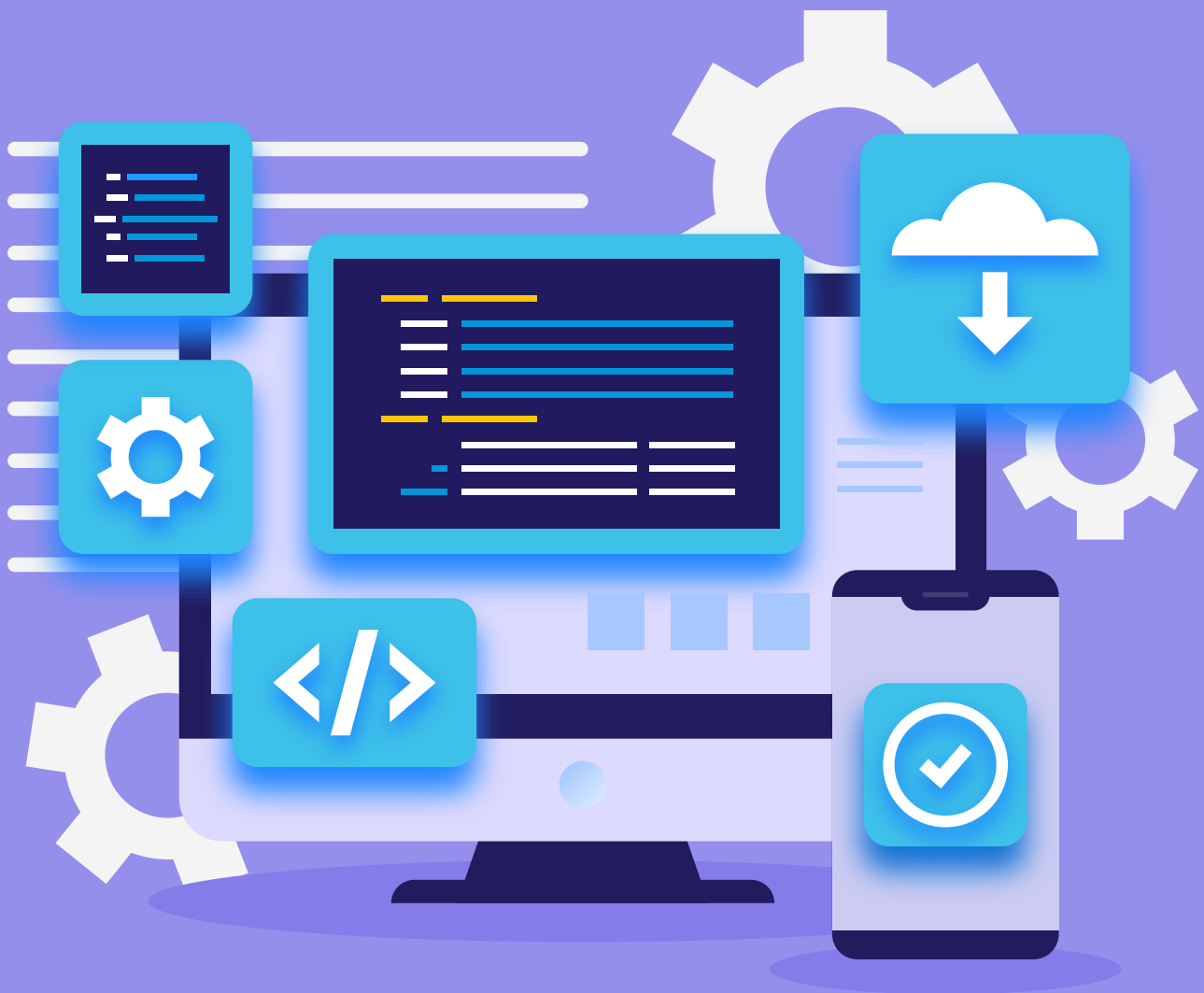# App Building: Static Ecommerce Website Pre-read

Introduction

What a fantastic week we have been having. We have skimmed through some essential concepts like Bootstrap, CSS 3, applying in-line style, and responsive web page.

In this lesson, we will learn about the folder structure of an industrial-grade project, routing between components and conditional rendering.

Folder Structure

- Every web project has several Javascript, Html & CSS files; these files compose and contribute to the user interface and business logic of the project.
- Whenever the project grows, the number of files grows along with it.
- If these files aren't organized, they become cluttered and challenging to maintain.
- Thus we follow specific methods to group these files in folders so that it becomes easier to track and maintain them.
- There is no hard and fast rule on maintaining folder structure. Depending on the project, the folder structure keeps changing, but we have certain practices that we can follow or draw inspiration from.

Best Practices

- Keep the base folder name "root" or "src"
- Keep the folder name as simple as possible to give a high-level overview of what the folder contains & to avoid confusion.
- E.g. If the folder contains files related to a login page, keep the folder name "Login"
- E.g. If the folder contains files related to CSS, keep the folder name "CSS".
- Keep the folder structure as flat as possible:
- If you have too many folders and subfolders within those folders, the project will become a mine, and we have to dig deep to find a file.
- Deeply nested folder structure also causes issues when you are newly getting into the project and navigating to a specific file.
- With deeper nesting, we need to provide a larger reference to files while importing them into the files.
- So instead of doing something like this:

```
src/
   ----login/
    ----username/
      ---index.html
      ---index.css
      ---index.js
   ----password/
      ---index.html
      ---index.css
      ---index.js
```

- Do something like this:

```
src/
----login/
   ---index.html
   ---index.css
   ---index.js
```

- Do not create a folder containing only one file; try to avoid creating multiple folders for housing just a few files.

Topics to be covered

In the coming session, we will learn the following:
- Conditional Rendering.
- Routing between components.