

Chapter 03 - Laying the Foundation

Topics

- JSX
- React.createElement vs JSX
- Benefits of JSX
- Behind the Scenes of JSX
- Babel & parcel role in JSX
- Components
- Functional Components
 - Composing Components

Assignment

- What is JSX?
- Superpowers of JSX
- Role of `type` attribute in script tag? What options can I use there?
- `{TitleComponent}` vs `{<TitleComponent/>}` vs `{<TitleComponent></TitleComponent>}` in JSX

Coding Assignment:

- Create a Nested header Element using `React.createElement(h1,h2,h3` inside a `div` with class "title")
 - Create the same element using JSX
 - Create a functional component of the same with JSX
 - Pass attributes into the tag in JSX
 - Composition of Component(Add a component inside another)
 - `{TitleComponent}` vs `{<TitleComponent/>}` vs `{<TitleComponent></TitleComponent>}` in JSX
- Create a Header Component from scratch using Functional Components with JSX
 - Add a Logo on left
 - Add a search bar in middle
 - Add User icon on right
 - Add CSS to make it look nice

References

- Babel: <https://babeljs.io/>
- Attribute Type: <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/script#attr-type>

- JS Modules: <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Modules>
- Babel Playground: <https://babeljs.io/repl#>
- React without JSX: <https://reactjs.org/docs/react-without-jsx.html>