Axios

Bootstrap

Objective

- What is axios

- installation

- Fetch vs axios

What is Axios

❖ While dealing with web applications in <u>React</u>, the most common task is to communicate with backend servers. This is usually done via HTTP protocol.

❖ Fetch API, which allows us to fetch data and make HTTP requests.

❖ There is another way to communicate with the backend in React, which is by using library known as Axios.

❖ Axios is used to communicate with the backend and it also supports the Promise API that is native to JS ES6.

❖ Axios has some advantages over fetch in terms if error handling

Installation

❖ Using npm

```
npm install axios
```

❖ Using bower

```
bower install axios
```

❖ Using yarn

```
yarn install axios
```

❖ Using unpkg CDN
```
<script src="https://unpkg.com/axios/dist/axios.min.js"></script>
```

❖ Using jsDeliver CDN
```
<script src="https://cdn.jsdelivr.net/npm/axios/dist/axios.min.js"></script>
```

Fetch vs Axios

❖ Fetch

❖ Axios

```
const getPostsData = () => {
  fetch('https://jsonplaceholder.typicode.com/posts')
  .then(response => response.json())
  .then(data => console.log(data))
  .catch(error => console.log(error));
  }
}
 getPostsData();
```

```
const getPostsData = () => {
  axios
  .get("https://jsonplaceholder.typicode.com/posts")
  .then(data => console.log(data.data))
  .catch(error => console.log(error));
  };
 getPostsData();
```

Summary

- What is axios

- installation

- Fetch vs axios

Resources

- https://www.knowledgehut.com/blog/web-development/axios-in-react