

A decorative wavy line in orange and white, running vertically along the left side of the slide.

# **React**

**Integrating external  
libraries**


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# 1. The Goals









- Integrate Bootstrap 5 CSS Framework & Bootstrap icons

Student Management   Major   Student

welcome to ... 

Major list

 Add

#	Major Name	
1	IT	 
2	Marketing	 
3	Network	 
4	Accounting	 

## 2. Downloading required packages

- For Installing bootstrap package, in the terminal type:

```
npm i bootstrap
```

- For Installing bootstrap icons package, in the terminal type:

```
npm i bootstrap-icons
```

# 3. Importing Libraries

- Import libraries into `src\index.tsx` file

```
import React from "react";
import ReactDOM from "react-dom/client";
import "bootstrap/dist/css/bootstrap.css";
import "bootstrap/dist/js/bootstrap.bundle";
import "bootstrap-icons/font/bootstrap-icons.css";
import "./index.css";
import App from "./App";
import reportWebVitals from "./reportWebVitals";


const root = ReactDOM.createRoot(
  document.getElementById("root") as HTMLElement
);
root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);
```

# 4. Defining Global CSS

- Modify `src\index.css` file

```
.table > :not(:first-child) {  
|   border-top: none;  
}
```

```
.bt-5 {  
|   border-top-width: 5px;  
}
```

```
.required::after {  
|   content: "*";  
|   color:  red;  
|   margin-left: 3px;  
}
```

# 5. Modifying Layout

- Copy & Paste content of “[list.html](#)” file into `src\App.tsx` file.
- Fix errors of JSX syntaxes

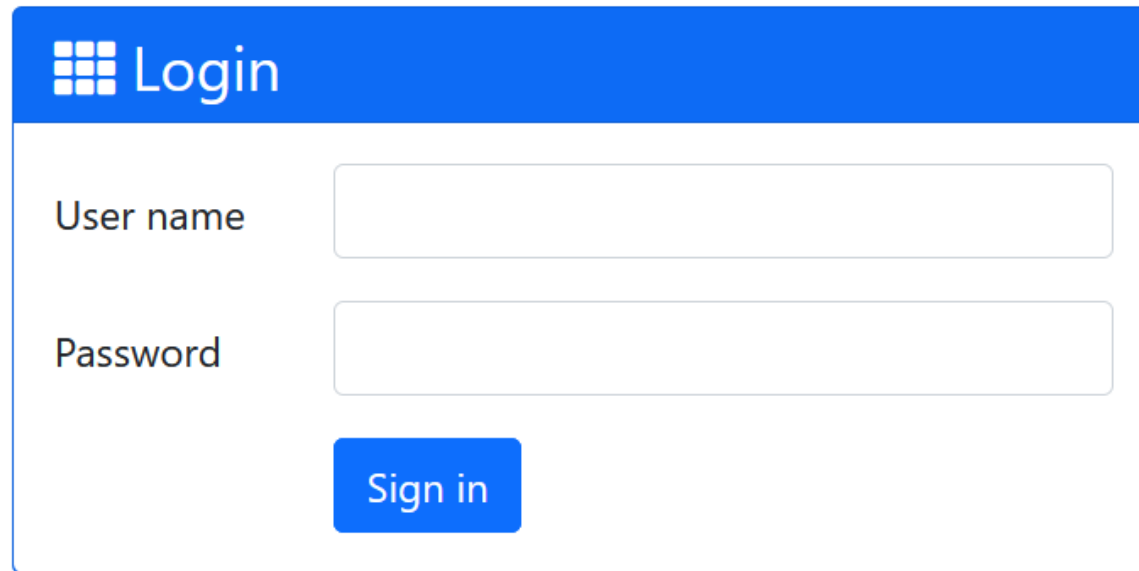
```
import React from "react";

function App() {
  return (
    <>
    <nav className="navbar navbar-expand-md navbar-dark bg-primary"> ...
    </nav>
    <div className="container mt-4"> ...
    </div>
    { /* Modal */ }
    <div ...
    </div>
    </>
  );
}


export default App;
```

# Exercise

- Convert HTML into JSX of login.html file



A login form with a blue header bar containing a grid icon and the text "Login". Below the header, there are two input fields: "User name" and "Password". A blue "Sign in" button is positioned below the "Password" field.

 Login

User name

Password

Sign in





**THE END**