**Assignment 2: React Components and Props**

**Create multiple React components.**

**Pass data between components using props.**

In this assignment, we'll create multiple React components and pass data between them using props.

Step 1: Create Multiple React Components

Open the src directory and create two new files: Header.js and Footer.js. These files will represent separate components.

Header.js:

// Header.js

import React from 'react';

const Header = ({ title }) => {

return (

<header>

<h1>{title}</h1>

</header>

);

};

export default Header;

**Footer.js:**

**// Footer.js**

**import React from 'react';**

**const Footer = ({ author }) => {**

**return (**

**<footer>**

**<p>Created by {author}</p>**

**</footer>**

**);**

**};**

**export default Footer;**

Step 2: Use Components in App.js

Open the src/App.js file and modify it to use the newly created Header and Footer components. Also, pass data to these components using props.

// App.js

import React from 'react';

import './App.css'; // Keep this line for styling, if needed

import Header from './Header';

import Footer from './Footer';

function App() {

const appTitle = "React Components and Props Assignment";

const appAuthor = "Your Name"; // Replace with your name

return (

<div className="App">

<Header title={appTitle} />

<p>Main content of the app goes here.</p>

<Footer author={appAuthor} />

</div>

);

}

export default App;

Step 3: Run Your React App

Save the changes and return to the terminal. Make sure you are still in the root directory of your React app (my-react-app). Start the development server with the following command:

npm start

Visit http://localhost:3000/ in your web browser. You should now see your React app displaying the header, main content, and footer components with data passed through props.

Congratulations! You have successfully created multiple React components and passed data between them using props. This is a fundamental concept in React development that allows you to build modular and reusable UI components.