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Full Stack Developments - LAB 7

React-app : Implement routing in React JS.

Problem:

With extension of experiment 6, you are supposed to add Navigation Bar menu item Home. Which will be the first page when user access the page. User can select menu for sign up or visit home.

- Add content to your page as per your wish.
- Content in home page must contains a picture in left side, and Text in right side.
- On signup it should exactly look same as experiment 6.

Installation of React App:

To install a new React app, you can use `create-react-app`, a convenient tool for setting up React projects. You can install it globally using npm with the following command:

```
npm install -g create-react-app
```

Once installed, you can create a new React app by running:

```
npx create-react-app my-app
```

Replace `my-app` with the desired name for your project. After the project is created, navigate into its directory and start working on your React application.

HTML Tags used:

1. **<form>: Defines an HTML form for user input. It can contain input elements like text fields, checkboxes, radio buttons, submit buttons, and more.**

```
<form id="validationForm">
    .
    .
    .
</form>
```

2. **<input type="button"> : Defines a clickable button that can trigger JavaScript functions**

```
<input type="button" value="Activate Textboxes" onclick="activateTextboxes()" >
```

3. **<input type="submit">: Defines a submit button for submitting form data to a server.**

```html
<input type="submit" value="Submit" onclick="submitForm(event)">
```

4. **<div> is a generic container element used to group and structure content on a webpage.**

```html
<div class="container">
    <!-- Content goes here -->
</div>
```

Code:

App.js

```jsx
import { Route, BrowserRouter as Router, Routes } from 'react-router-dom';
import LandingPage from './components/LandingPage';
import Signup from './components/Signup';
import Login from './components/Login';
import Navbar from './components/navbar';



function App() {
  return (
    <div className="App">
        <Router>
            <Navbar />
            <Routes>
                <Route path='/' element={<LandingPage />} />
                <Route path="/signup" element={<Signup />} />
                <Route path='/login' element={<Login />} />

            </Routes>
        </Router>
    </div>
  );
}

export default App;
```

Navbar.js

```jsx
import React from 'react'
import logo from "../assests/sitlogo.jpg"
import { Link } from 'react-router-dom';
import '../styles/navbar.css'


function Navbar() {
  return (
    <div className='navbar'>
        <div className='navbar__left'>
```

```
                <img src={logo} alt='logo' />
            </div>

            <div className='navbar__right'>
                <Link to="/">Home</Link>
                <Link to="/login">Login</Link>
                <Link to="/signup">Sign Up</Link>


            </div>


        </div>
    )
}


export default Navbar
```

LandingPage.js (Home)

```
// components/LandingPage.js
import React from 'react';
import { Link } from 'react-router-dom';
import '../styles/LandingPage.css';
import video from '../assests/demo.mp4';

function LandingPage() {
  return (
    <div className="landing-container">
      <video width="800" height="550" controls>
        <source src={video} type="video/mp4" />
        Your browser does not support the video tag.
      </video>

      <div className="info-container">
        <h1>Welcome to our Website!</h1>
        <div>
          <h2>ResumeRevealer: Advanced Resume Parsing Challenge</h2>
          <p>
            ResumeRevealer project is a comprehensive resume parser capable of extracting
detailed information from resumes in various formats, including PDF, JPG, HTML, DOC, etc. The
parser  accurately classifies text into distinct sections such as education, work experience,
and skills. Additionally, it sequences these sections based on dates wherever available.
          </p>
          <p>
            An advanced feature of the ResumeRevealer involves implementing a skill extraction
mechanism. This feature mines detailed skills and competencies from project descriptions and
```

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```
position roles within the resume, highlighting the candidate's specific abilities and
expertise.
        </p>
        <Link to="https://resume-revealer.streamlit.app/">Demo (Streamlit)</Link>
        <br />
        <Link to="https://github.com/astro215/ResumeRevealer">Learn More</Link>
      </div>
    </div>
  </div>
  );
}


export default LandingPage;
```

CSS

Navbar.css

```css
.navbar{
    width: 100%;
    height: 100%;
    background-color: black;
    display: flex;
    flex-direction: row;
}

.navbar .navbar__left{
    flex : 50%;
    height: 100%;
    display: flex;
    align-items: center;
    padding-left: 20px;
}

.navbar .navbar__left img{
    width: 70px;
    height: 70px;
}

.navbar .navbar__right{
    flex : 50%;
    height: 100%;
    display: flex;
    justify-content: flex-end;
    padding-left: 20px;
}

.navbar  a{
    color: white;
```

```css
    margin: 20px;
}
```

LandingPage.css

```css
/* styles/LandingPage.css */
body {
    background-color: #f9f9f9; /* Light gray background color for the whole page */
}

.landing-container {
  display: flex;
  justify-content: space-between;
  align-items: center;
  padding: 20px;
}

.video-container {
  flex: 1;
  margin-right: 40px;
}

.info-container {
  flex: 2;
  margin: 0 40px;
}

.info-container h1 {
  font-size: 28px;
  margin-bottom: 20px;
}

.info-container h2 {
  font-size: 24px;
  margin-bottom: 15px;
  color: #333;
}

.info-container p {
  font-size: 18px;
  margin-bottom: 15px;
  line-height: 1.5;
  color: #555;
}

.info-container a {
  color: #007bff;
  text-decoration: none;
}
```

```
.info-container a:hover {
  text-decoration: underline;
}
```

Explanation of JavaScript Code:

App.js:

- **Imports**: Imports necessary components and routing functionalities from `react-router-dom`.
- **App Function**: Defines the main App component.
- **Router Setup**: Utilizes `BrowserRouter` to establish routing functionality.
- **Routes**: Defines different routes using `<Routes>` and `<Route>` components, mapping URLs to corresponding components.

Navbar.js:

- **Component Function**: Defines a functional component for the navigation bar.
- **Navigation Links**: Uses `<Link>` component from `react-router-dom` to create links to different pages.
- **Styling**: Applies CSS classes to style the navigation bar.

LandingPage.js:

- **Component Function**: Defines a functional component for the landing page.
- **Content**: Includes HTML elements like video, headings, paragraphs, and links to provide information about the project.
- **Styling**: Applies CSS styles to layout and style the landing page content.

Explanation of CSS Code:

Navbar.css:

- **Styling for Navbar**: Defines styles for the navigation bar, including its layout and appearance.
- **Classes**: `.navbar__left`, `.navbar__right`: Styles specific elements within the navbar.
- **Anchor Styling**: Defines styles for anchor (link) elements within the navbar.

LandingPage.css:

- **Styling for Landing Page**: Defines styles for the landing page content layout and appearance.
- **Classes**: `.landing-container`, `.video-container`, `.info-container`: Styles specific containers within the landing page.
- **Typography**: Defines styles for headings and paragraphs.
- **Anchor Styling**: Defines styles for anchor (link) elements within the landing page content.

Output: