

## Assignment – 2

### Profile Page Using React.js

#### Objective:

Create a simple profile page using React that displays a user's profile picture, name, email, and bio.

#### Tasks:

##### 1. Setup and Initialization:

###### Create a New React Application

1. Open your terminal or command prompt.

2. Run the following command to create a new React application:

```
bash
```

Copy code

```
npx create-react-app profile-page
```

3. Navigate to the newly created directory:

```
bash
```

Copy code

```
cd profile-page
```

4. Start the development server:

```
bash
```

Copy code

```
npm start
```

This should start the application and open it in your default web browser. Ensure there are no errors.

##### 2. Create Components:

###### Create ProfilePage Component

1. Inside the src directory, create a new file named ProfilePage.js.

```
javascript
```

Copy code

```
// src/ProfilePage.js
```

```
import React from 'react';
```

```
import ProfilePicture from './ProfilePicture';
```

```
import ProfileDetails from './ProfileDetails';
```

```
const ProfilePage = () => {
```

```
  const user = {
```

```
    profilePictureUrl: 'https://via.placeholder.com/150',
```

```
    name: 'John Doe',
```

```
    email: 'john.doe@example.com',
```

```
    bio: 'Software Developer at XYZ Company'
```

```
  };
```

```
  return (
```

```
    <div className="profile-page">
```

```
      <ProfilePicture url={user.profilePictureUrl} />
```

```
      <ProfileDetails name={user.name} email={user.email} bio={user.bio} />
```

```
    </div>
```

```
  );
```

```
};
```

```
export default ProfilePage;
```

###### Create ProfilePicture Component

2. Create a new file named ProfilePicture.js in the src directory.

```
javascript
```

Copy code

```
// src/ProfilePicture.js
```

```
import React from 'react';
```

```
const ProfilePicture = ({ url }) => {  
  return <img src={url} alt="Profile" className="profile-picture" />;  
};
```

export default ProfilePicture;

Create ProfileDetails Component

3. Create a new file named ProfileDetails.js in the src directory.

javascript

Copy code

```
// src/ProfileDetails.js
```

```
import React from 'react';
```

```
const ProfileDetails = ({ name, email, bio }) => {  
  return (  
    <div className="profile-details">  
      <h1>{name}</h1>  
      <p>{email}</p>  
      <p>{bio}</p>  
    </div>  
  );  
};
```

export default ProfileDetails;

3. Use Props:

Props are being passed from the ProfilePage component to the ProfilePicture and ProfileDetails components as shown in the code snippets above.

4. Styling:

Open the src/App.css file and add the following CSS:

css

Copy code

```
/* src/App.css */
```

```
.profile-page {  
  text-align: center;  
  margin-top: 50px;  
}
```

```
.profile-picture {  
  width: 150px;  
  height: 150px;  
  border-radius: 50%;  
  object-fit: cover;  
}
```

```
.profile-details {  
  margin-top: 20px;  
}
```

```
.profile-details h1 {  
  font-size: 2em;  
  margin: 10px 0;  
}
```

```
.profile-details p {  
  font-size: 1.2em;
```

```
margin: 5px 0;  
}
```

#### 5. App Integration:

Open the src/App.js file and modify it to render the ProfilePage component:

javascript

Copy code

```
// src/App.js
```

```
import React from 'react';
```

```
import ProfilePage from './ProfilePage';
```

```
import './App.css';
```

```
function App() {  
  return (  
    <div className="App">  
      <ProfilePage />  
    </div>  
  );  
}
```

```
export default App;
```