

Sign-In Authentication - React Google Application

Description :

This is a simple React-based web application that demonstrates how to implement Google Sign-In authentication using OAuth 2.0. After signing in, users are redirected to the home page, and their basic profile details (name, email, and profile picture) are displayed. Users can also log out, which clears their session.

Features :

- Google Sign-In using OAuth 2.0
- React Router-based redirection
- Displays user name, email, and profile picture after login
- Simple logout functionality
- Basic error handling
- Responsive UI

Tech Stack :

- ***Frontend***: React
- ***Authentication***: Google Identity Services API

Setup Instructions :

1. Clone the Repository :

```
bash
```

```
git clone https://github.com/Ranu-Gupta/google-auth-app.git
```

```
cd google-auth-app
```

2. Install Dependencies :

bash

npm install

3. Get Google OAuth Client ID:

- Go to [Google Cloud Console](<https://console.cloud.google.com/>)
- Create a new project (or use an existing one)
- Navigate to **APIs & Services > Credentials**
- Create **OAuth 2.0 Client ID** for **Web Application**
- Set **Authorized JavaScript Origins** to: <http://localhost:3000>
- Set **Authorized Redirect URIs** to: <http://localhost:3000>
- Copy the **Client ID**

4. Add Your Client ID:

Replace YOUR_GOOGLE_CLIENT_ID in App.js with your actual Google Client ID:

jsx

```
<GoogleOAuthProvider clientId="321650566263-tga8hn9kb1v6hlI99jpndgt964h8vsdo.apps.googleusercontent.com ">
```

5. Run the App:

bash

npm start

- The app will open in your browser at <http://localhost:3000>

Project Structure :

google-auth-app/

└─ public/

└─ src/

| └─ App.js

| └─ index.js

└─ package.json

└─ README.md