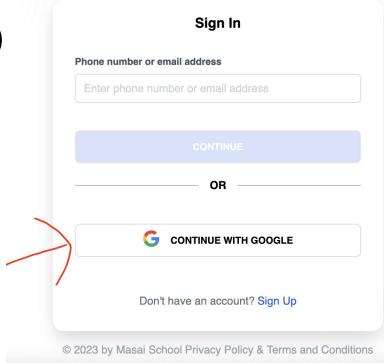
OAuth (Open Authorization)

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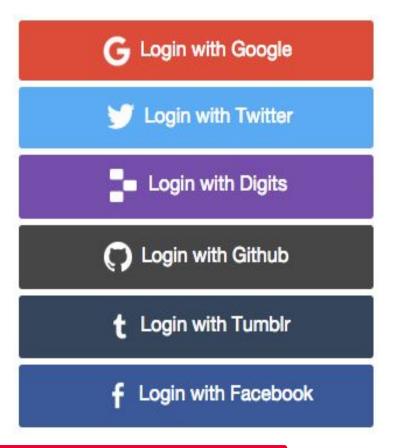
OAuth (Open Authorization)

OAuth (Open Authorization) is an authentication protocol that allows users to give access to their data stored on one website or application to another website or application, without giving away their username and password.

How it works:

 The user logs in to their account on the first website or application (also known as the "OAuth provider") that has the data they want to share.

Some Oauth Providers:



How it works:

2. The user wants to **share that data** with a second website (also known as the "**OAuth consumer**").

OAuth Consumer:

OAuth consumer/client is **the website or application** that is **requesting access to a user's data** from a third-party service/OAuth provider.



Continue to login or create a new account

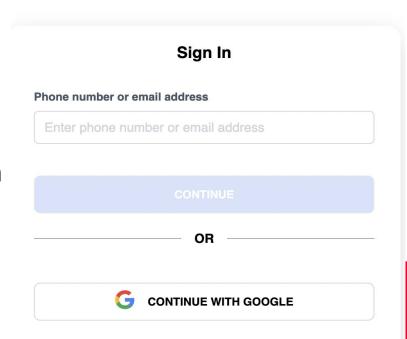


Continue with GitHub

Can you tell who is the **Oauth Consumer** and **Oauth Provider** here?

Can you tell who is the **Oauth Consumer** and **Oauth Provider** here?

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How it works:

- 3. The second website/consumer requests access to the user's data on the first website/provider.
- 4. The first website/provider then redirects the user to a login page to authenticate their identity.

How it works:

- 5. Once the user is authenticated, the first website/provider prompts the user to grant access to their data to the second website/consumer.
- 6. The user confirms, and the first website/provider issues an access token to the second website/consumer.

How it works:

7. The second website/consumer can then use the access token to access the user's data on the first website/provider, without ever seeing the user's username and password.

Advantages:

- 1. Smooth login/better user experience
- 2. Improved security
- 3. Control access

Disadvantages:

- 1. Complexity (while implementing on dev side)
- 2. Dependency on third parties/Oauth providers

Implementation steps:

- 1. Choose an Oauth provider.
- 2. Register your application.
- 3. Install an Oauth library (Passport for example).
- 4. Set up the Oauth flow.
- 5. Use the access token to authenticate.

Thank You

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