

# Internet And Web Systems 1

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REPORT - WEEK 1

**Problem statement**

When you are using a third-party application, to login in your social accounts like Twitter, LinkedIn, Facebook, Instagram chances are these client's application will not provide the secure access and you might risk the confidentiality of your account.

**Solution**

To overcome this problem many third-party applications nowadays are using OAuth (Open Authorization) to provide "secure access" for their users. It is always necessary to know how the application that you are using, authorizes you as a user and the all the permissions that it is using. In this project, I am developing a social media management platform that will integrate LinkedIn, Twitter and Facebook. The users will be able to login to their social accounts and also the application will be able to post on user's social profiles on their behalf. For authorization and authentication, I will use OAuth (Open Authorization). It will allow users to access to their data without releasing their username and password and allows application the permission to act on someone's behalf.

OAuth works on HTTPs and it authorizes the devices, servers and the API. It doesn't share password but rather it works on tokens to prove your correct identity. It allows the application that you are using to interact with the other service providers on your behalf without releasing your passwords.

**References:**

Below links will give me a head start for the project. The project might require other references as well in the near future.

1. <https://developer.linkedin.com/docs/oauth2>
2. <https://developers.facebook.com/docs/facebook-login/>
3. <https://oauth.net/2/>