Short OAuth 2.0 Reference

Authorization code grant

- **Authorization request**: redirect through the browser of the user.
  - **Request**:
    ```
    ```
  - **Response**:
    ```
    https://<redirect-uri>?code=<code>&state=<state>
    OR
    https://<redirect-uri>?error=<error>&state=<state>&error_description=<error description>&error_uri=<error_uri>
    ```

- **Access token request**: directly from the client application server to the authorization server
  - **Request**: HTTP Post to the token url with form-encoded parameters
    ```
    grant_type=authorization_code
    code=<authorization code>
    redirect_uri=<same redirect uri as in the authorization request>
    client_id=<client id of the client application>
    client_secret=<client secret of the client application>
    ```
    (Client id and client secret can also be passed via a HTTP Basic Authentication header.)
  - **Response**: JSON object containing
    ```
    access_token: <access token>
    token_type: bearer
    expires_in: <token lifetime>
    refresh_token: <refresh token>
    ```

Implicit grant

- **Authorization request**: in a new browser window or an iframe.
  - **Request**:
    ```
    ```
  - **Response**:
    ```
    https://<redirect-uri>#access_token=<access token>&token_type=bearer&expires_in=<token lifetime>&state=<state>
    OR
    https://<redirect-uri>#error=<error>&state=<state>&error_description=<error description>&error_uri=<error_uri>
    ```