

# From Auth to OAuth 2.0

Simpler than it seems



# Hello!

## Who Am I?

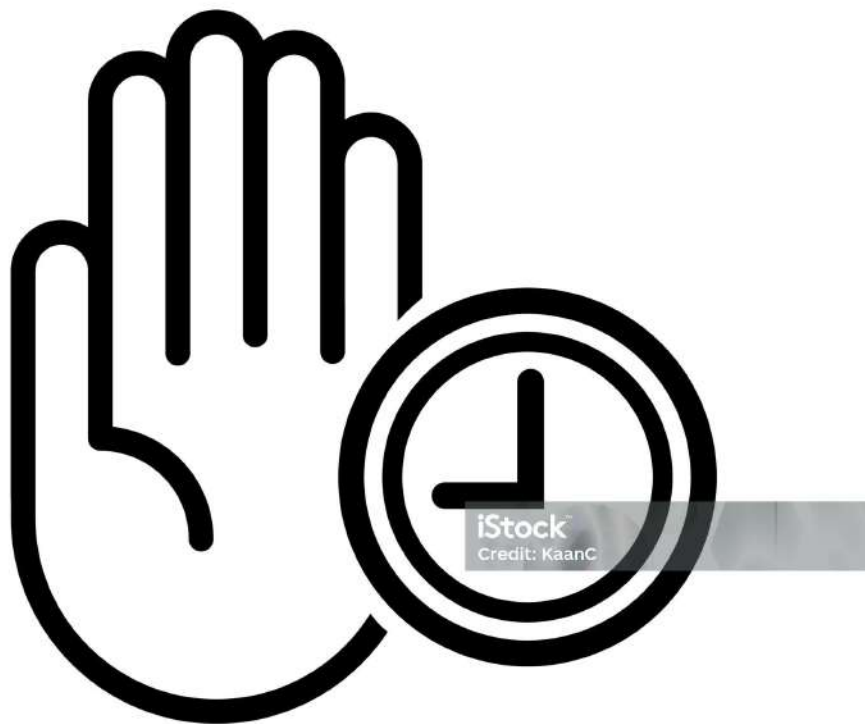
- Diana Ungaro Arnos (@dianaarnos)
- Software Engineer (13 years - I'm old)
- Open Source enthusiast
- Music enthusiast
- Ving Tsun student and martial arts admirer

## My Objectives

- Make programming more accessible
- Make people realize that some programming concepts may look hard but are just abstractions from our day-to-day lives

## Today

- Make you understand the building blocks of OAuth2 and be ready to dive deeper



# mollie





a.k.a. Open Authorization

*"The OAuth 2.0 authorization framework enables a third-party application to obtain limited access to an HTTP service, either on behalf of a resource owner by orchestrating an approval interaction between the resource owner and the HTTP service, or by allowing the third-party application to obtain access on its own behalf."*

## RFC 6749 for Internet Standards

<https://datatracker.ietf.org/doc/html/rfc6749>

RESOURCE OWNER

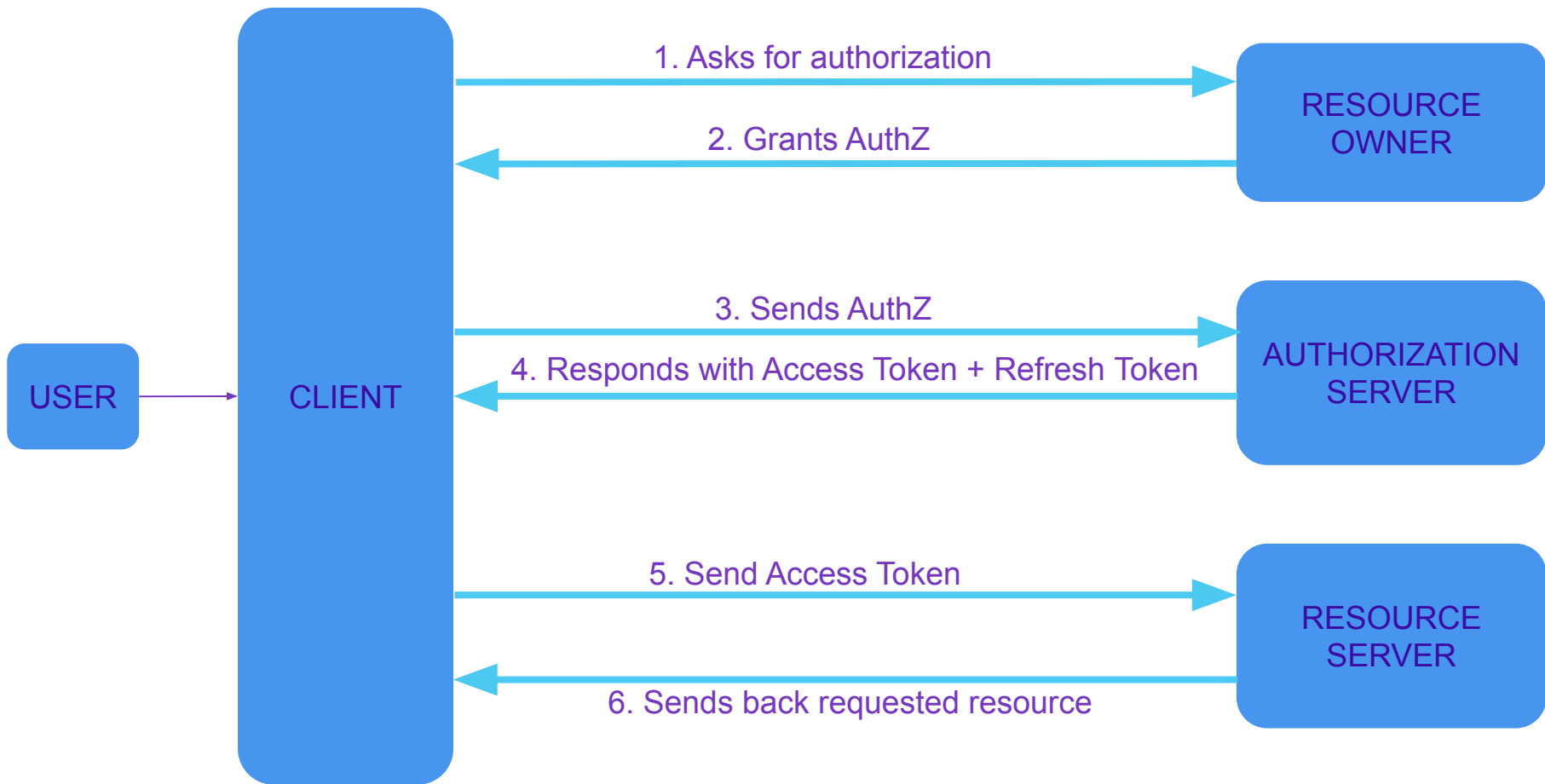
AUTHORIZATION SERVER

IDENTITY PROVIDER

ACCESS TOKEN

RESOURCE SERVER

AUTHORIZATION CODE FLOW







iStock™  
Credit: Delmaine Donson

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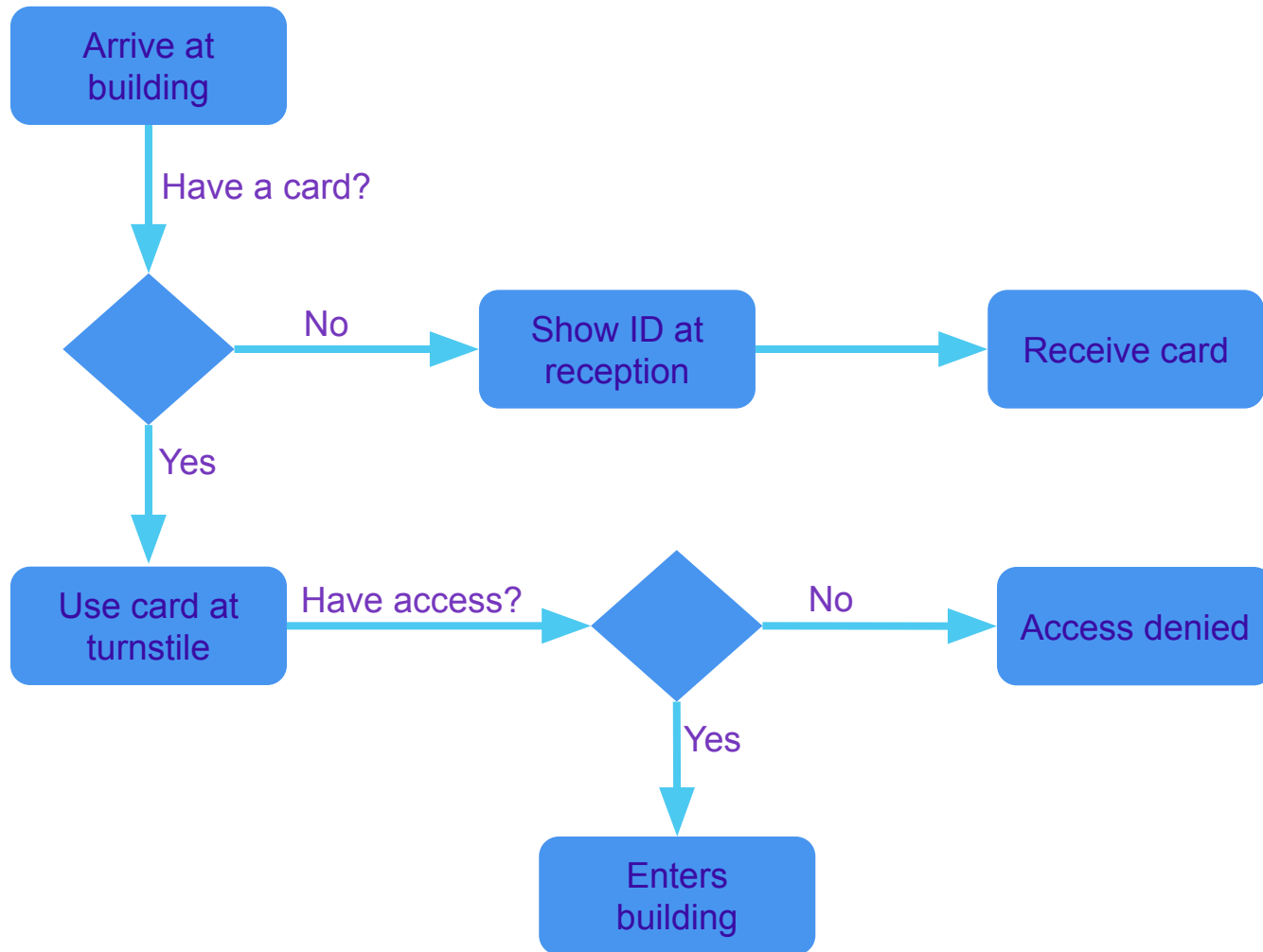


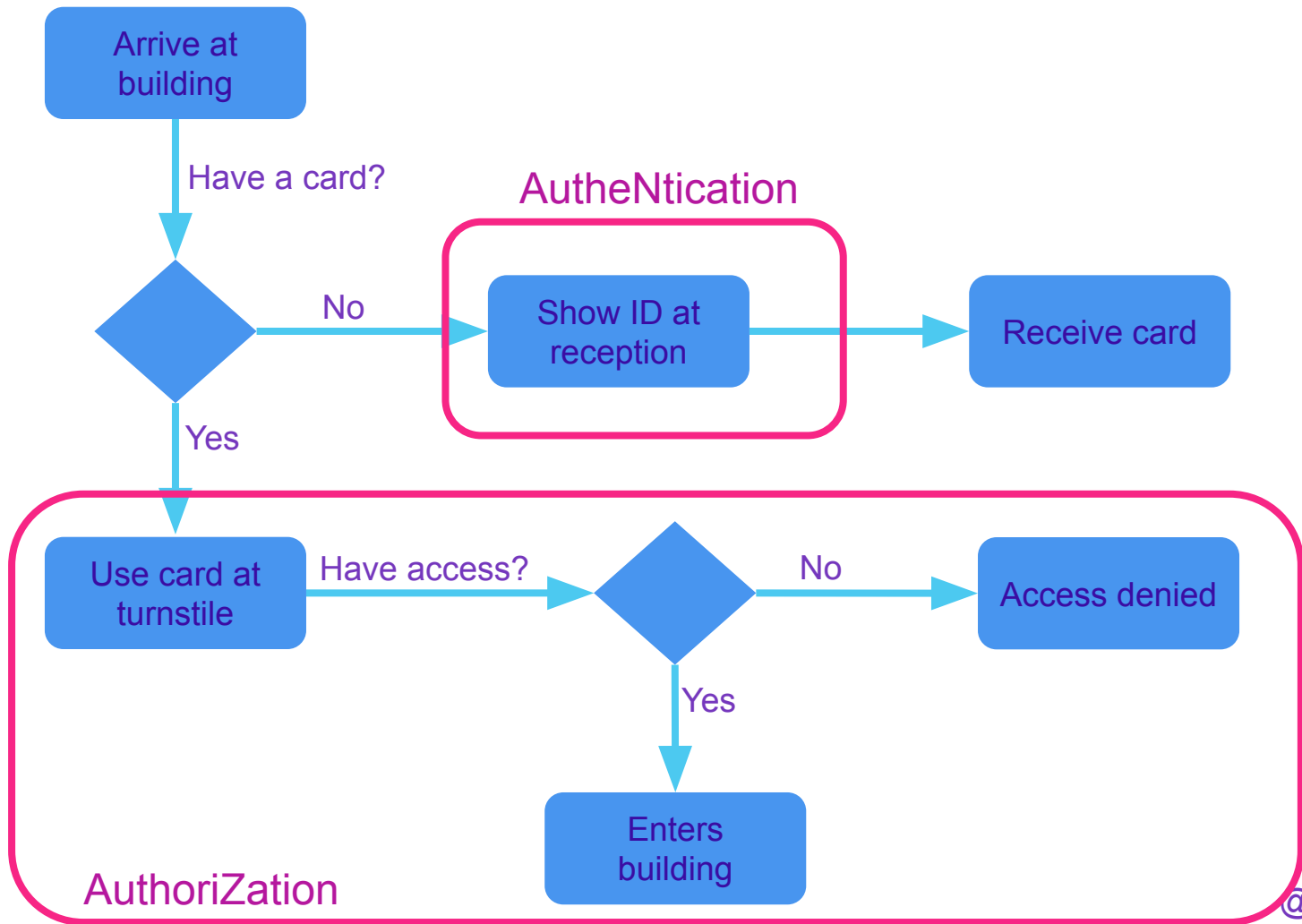


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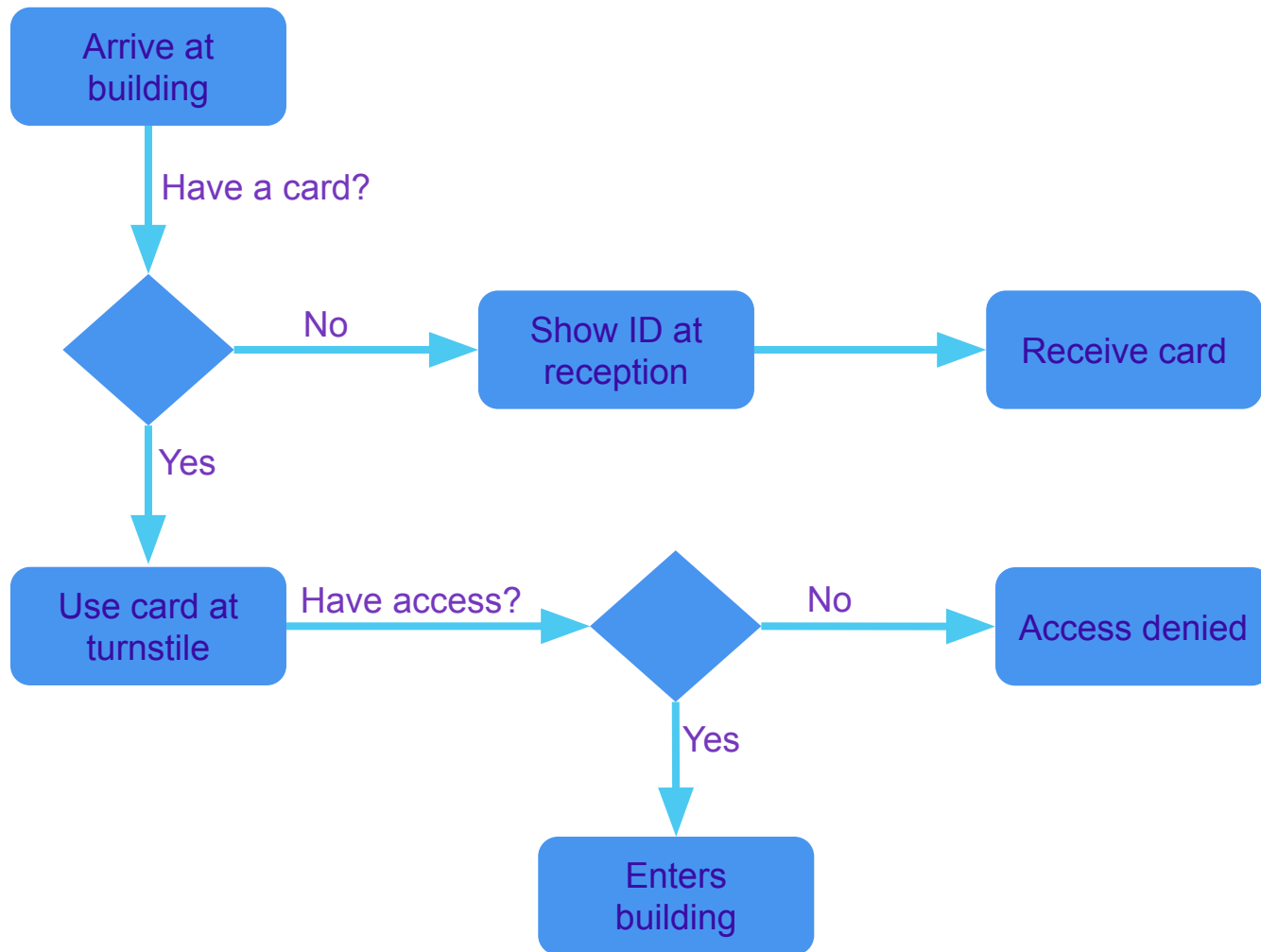


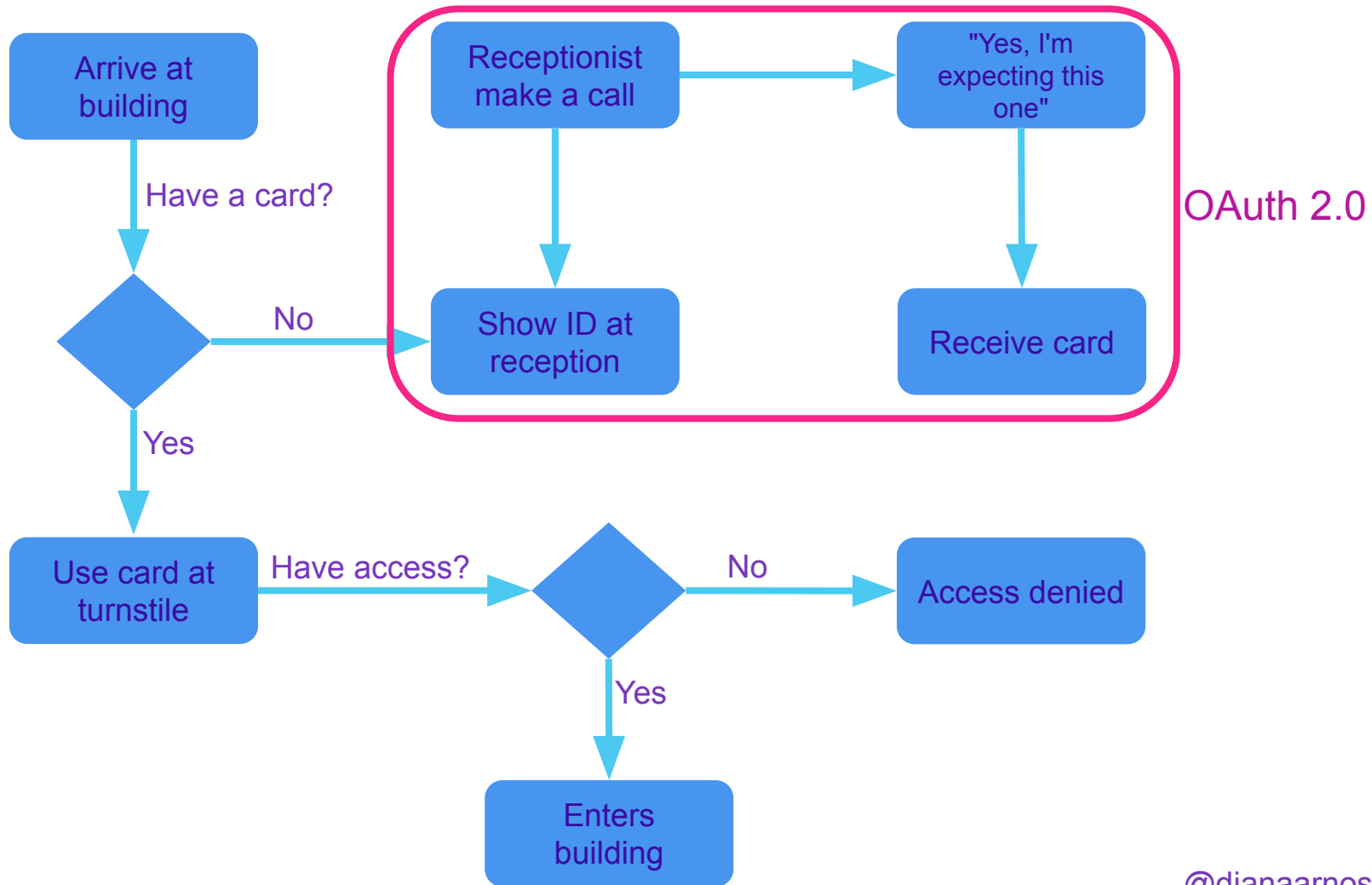






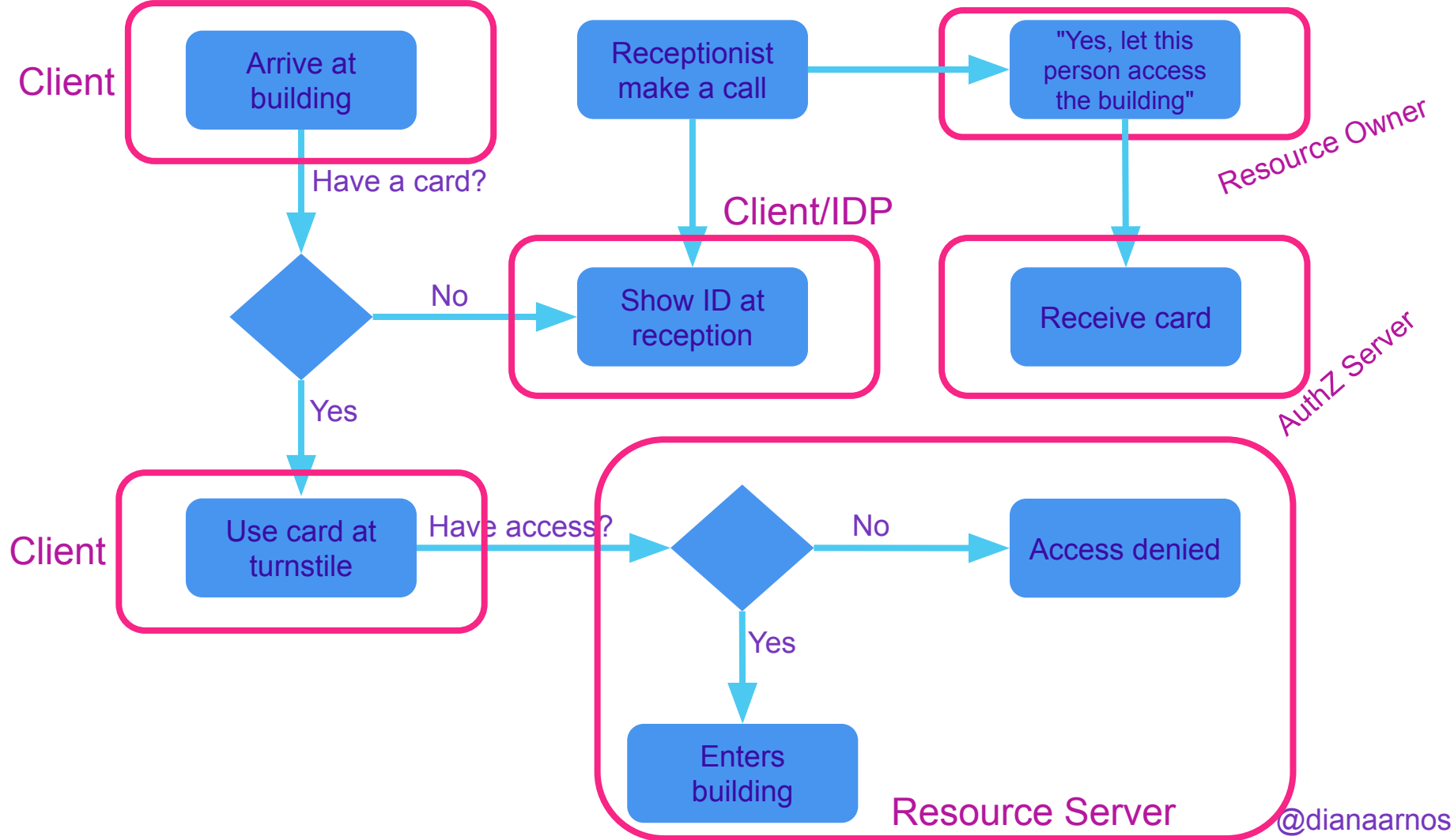
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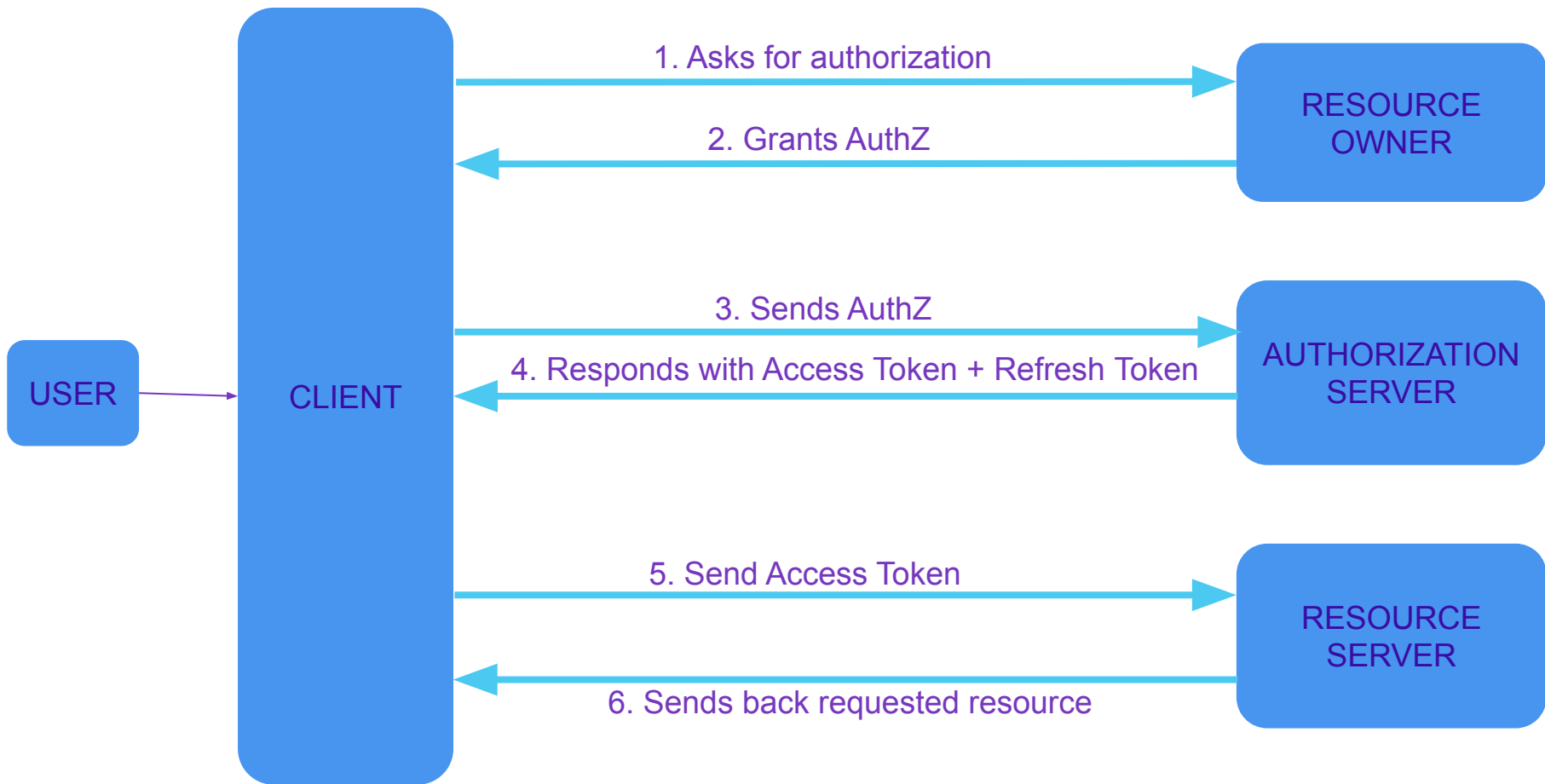




Back to...













# More names...

- Scopes
- Grants
- Flows
  - Authorization Code
  - PKCE (Proof Key of Code Exchange)
  - Implicit
  - Device Code
  - OpenID Connect



➡ <https://www.oauth.com/playground/>

# OAuth 2.0 Playground

The OAuth 2.0 Playground will help you understand the OAuth authorization flows and show each step of the process of obtaining an access token.

These examples walk you through the various OAuth flows by interacting with a simulated OAuth 2.0 authorization server.

Choose an OAuth flow

To begin, [register a client and a user](#) (don't worry, we'll make it quick)

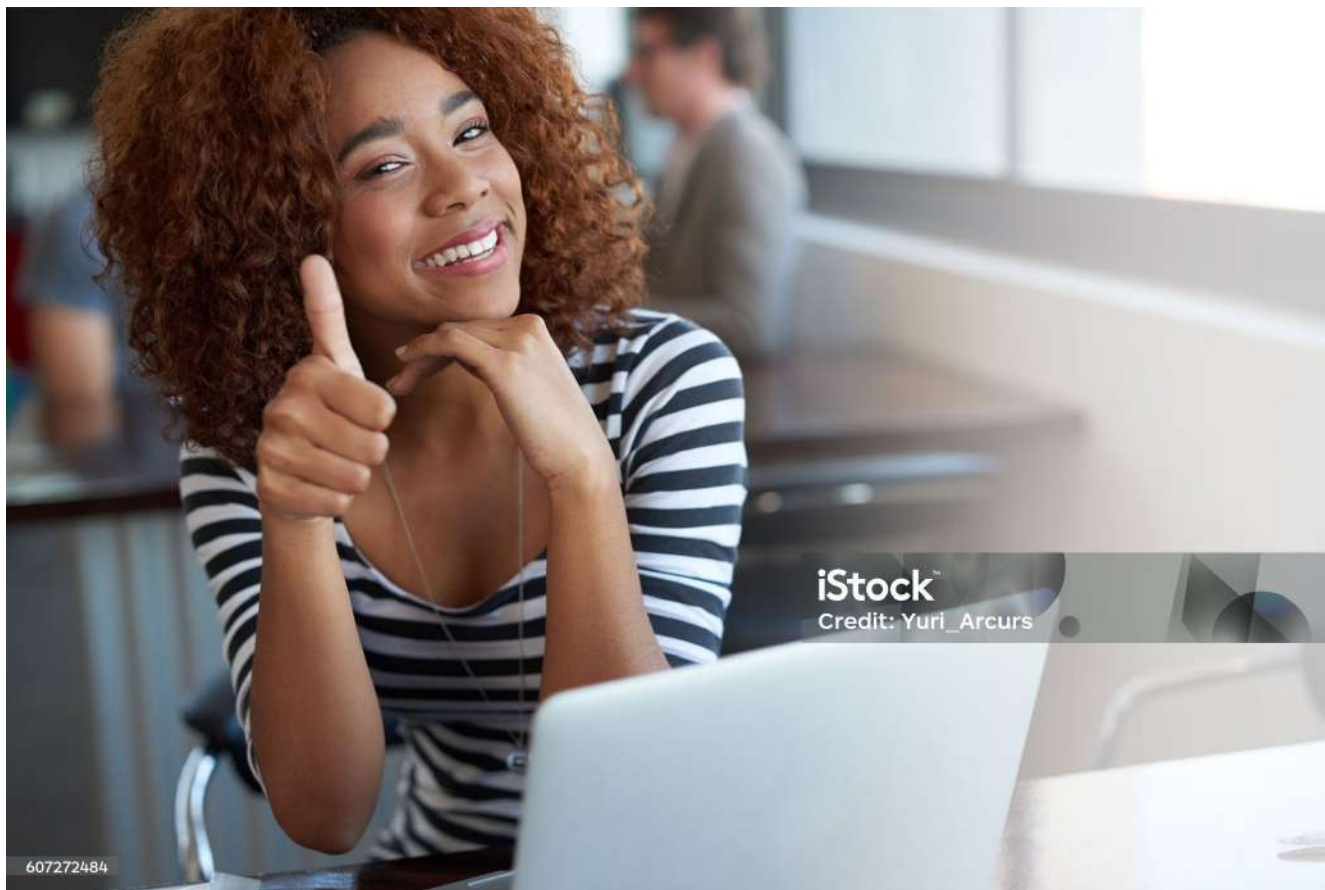
Authorization Code

PKCE

Implicit

Device Code


OpenID Connect





# CONTEXT MATTERS



Sign in manually

 Login with Facebook

 Login with Twitter

 Login with Google+

☐ Remember me

**LOGIN**

[Register now](#) | [Forgot password?](#)

**NOT AUTHENTICATION**





# Here!



# Thank you!