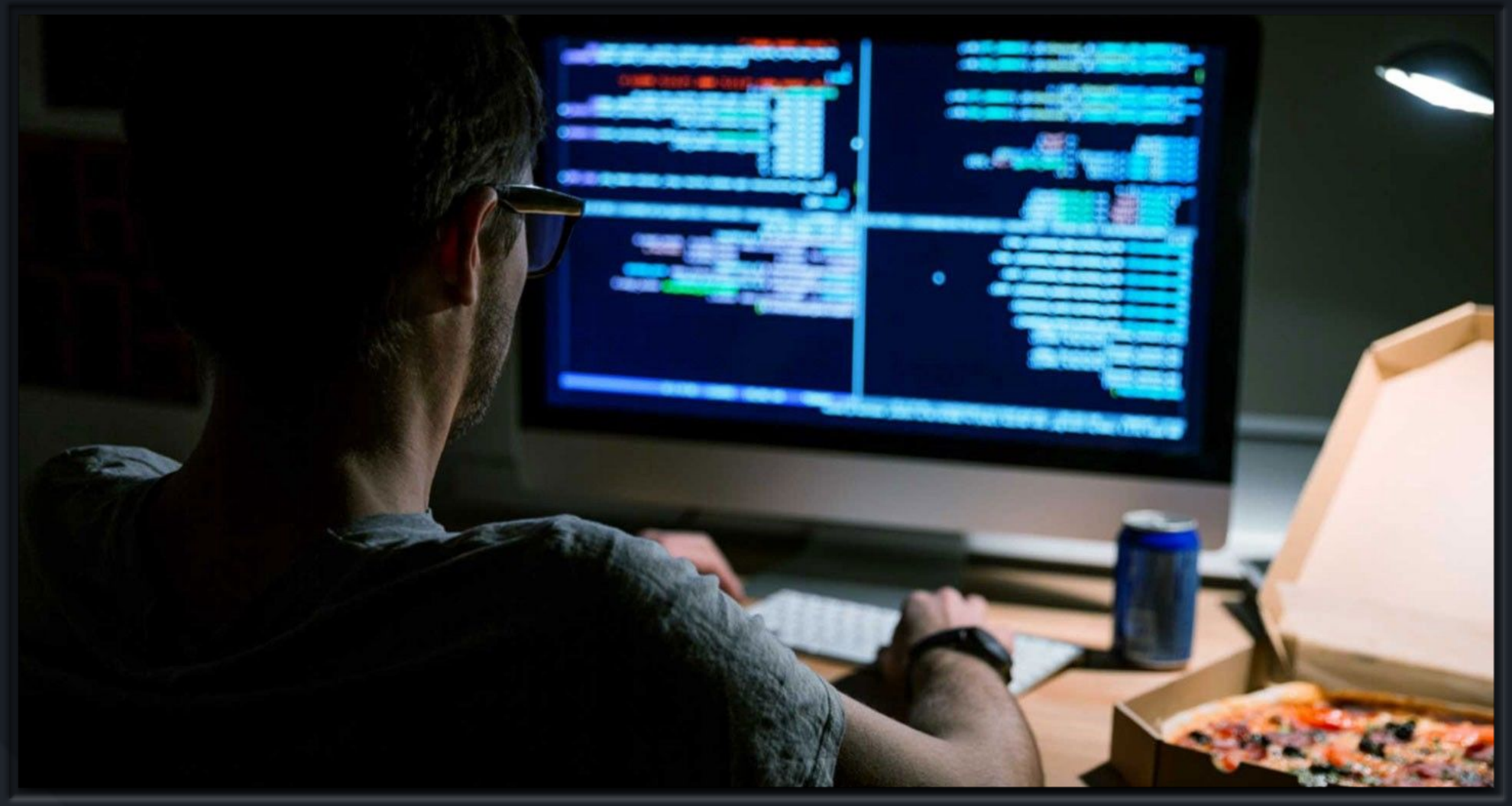
INTRO TO BACKEND DEVELOPMENT

DAY 12

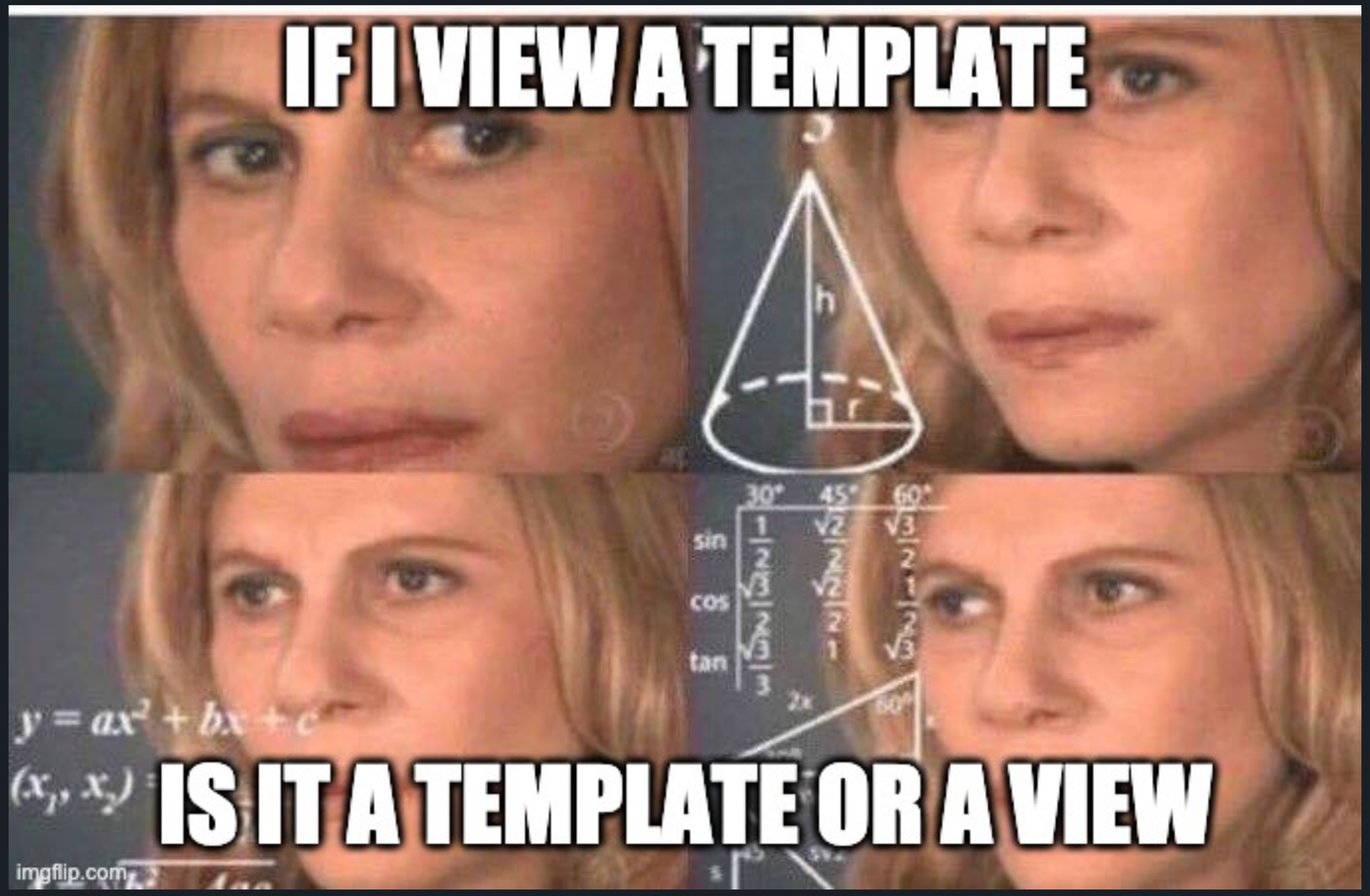
04/21/2021

Instructor - Casey Wilson
TA - Kevin Dublin

Take Home Challenge Review

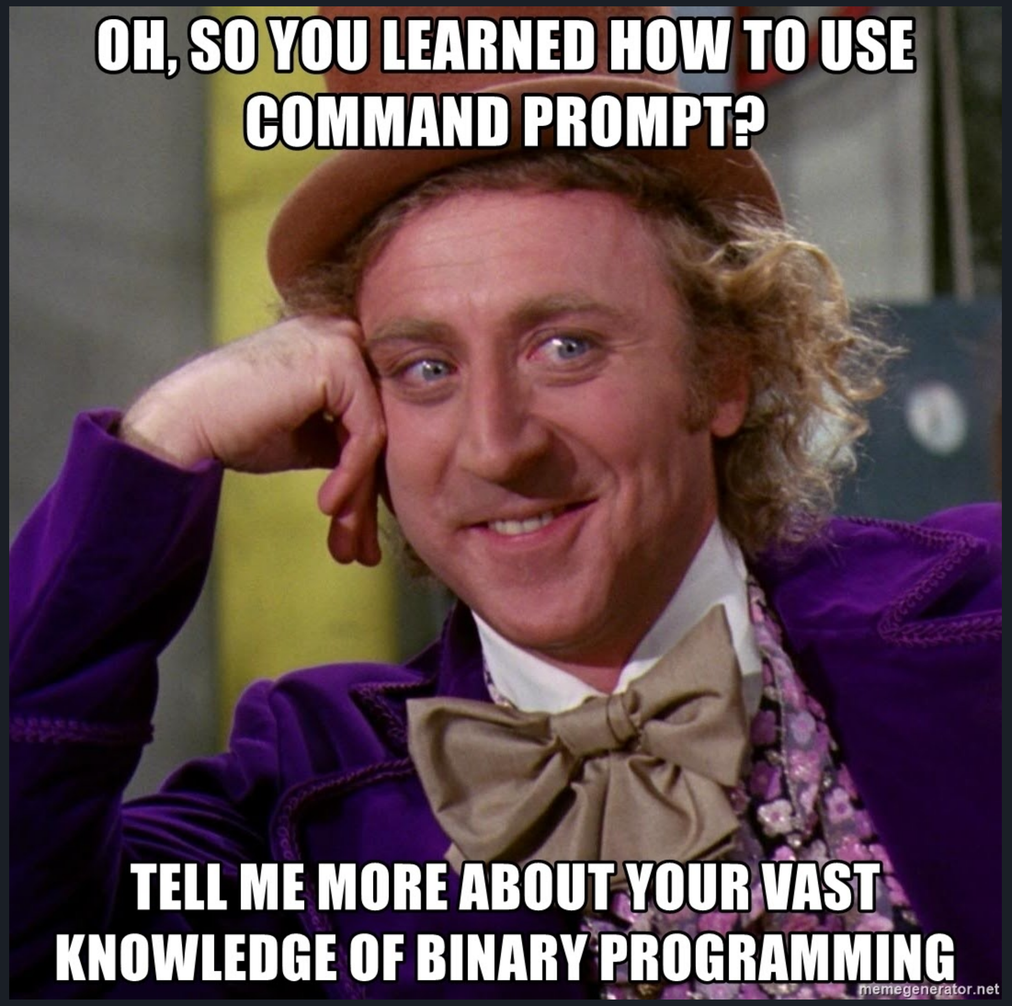


Check In Time



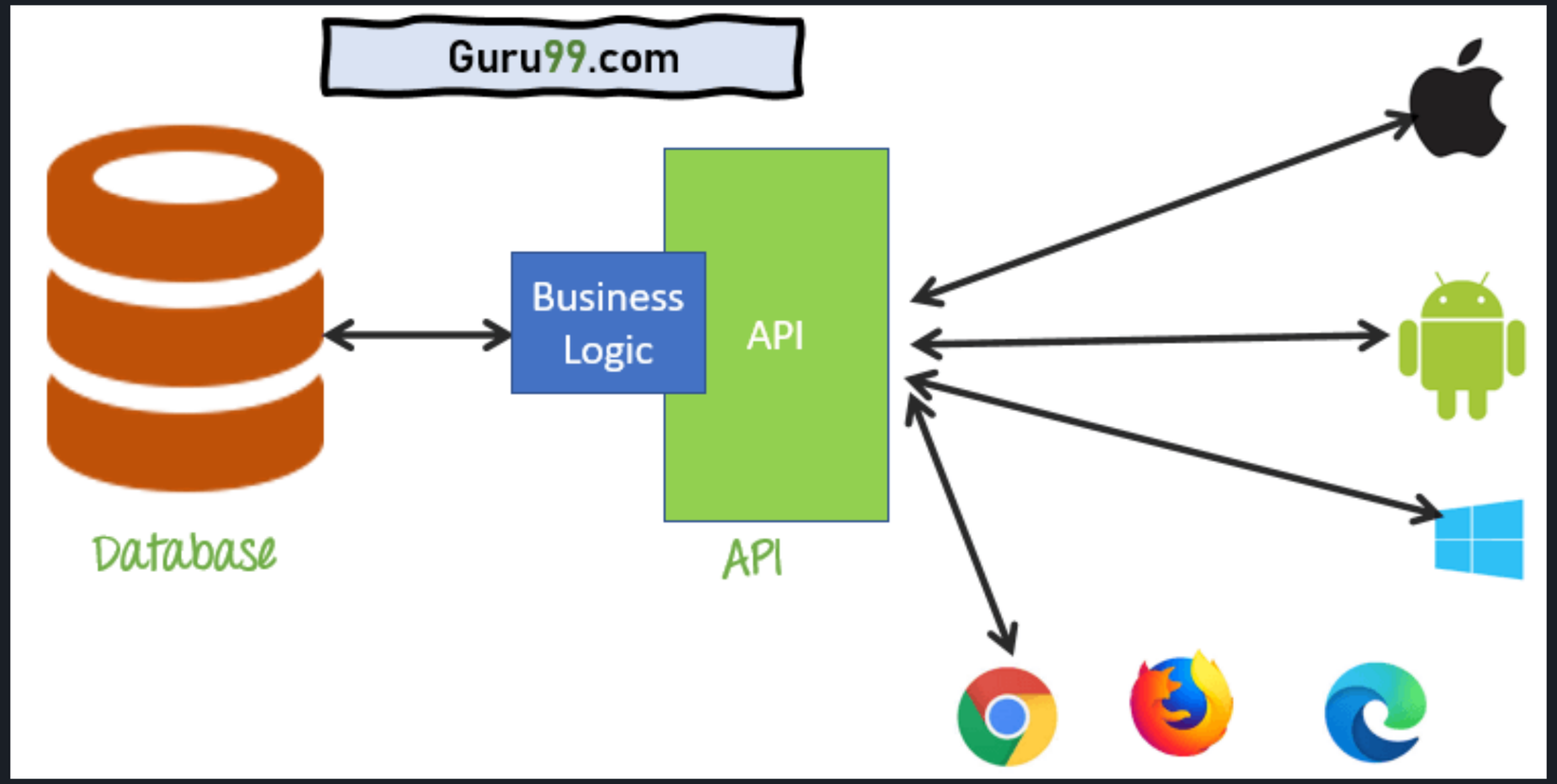
Django Time - Round 4

Django - ORM Shell

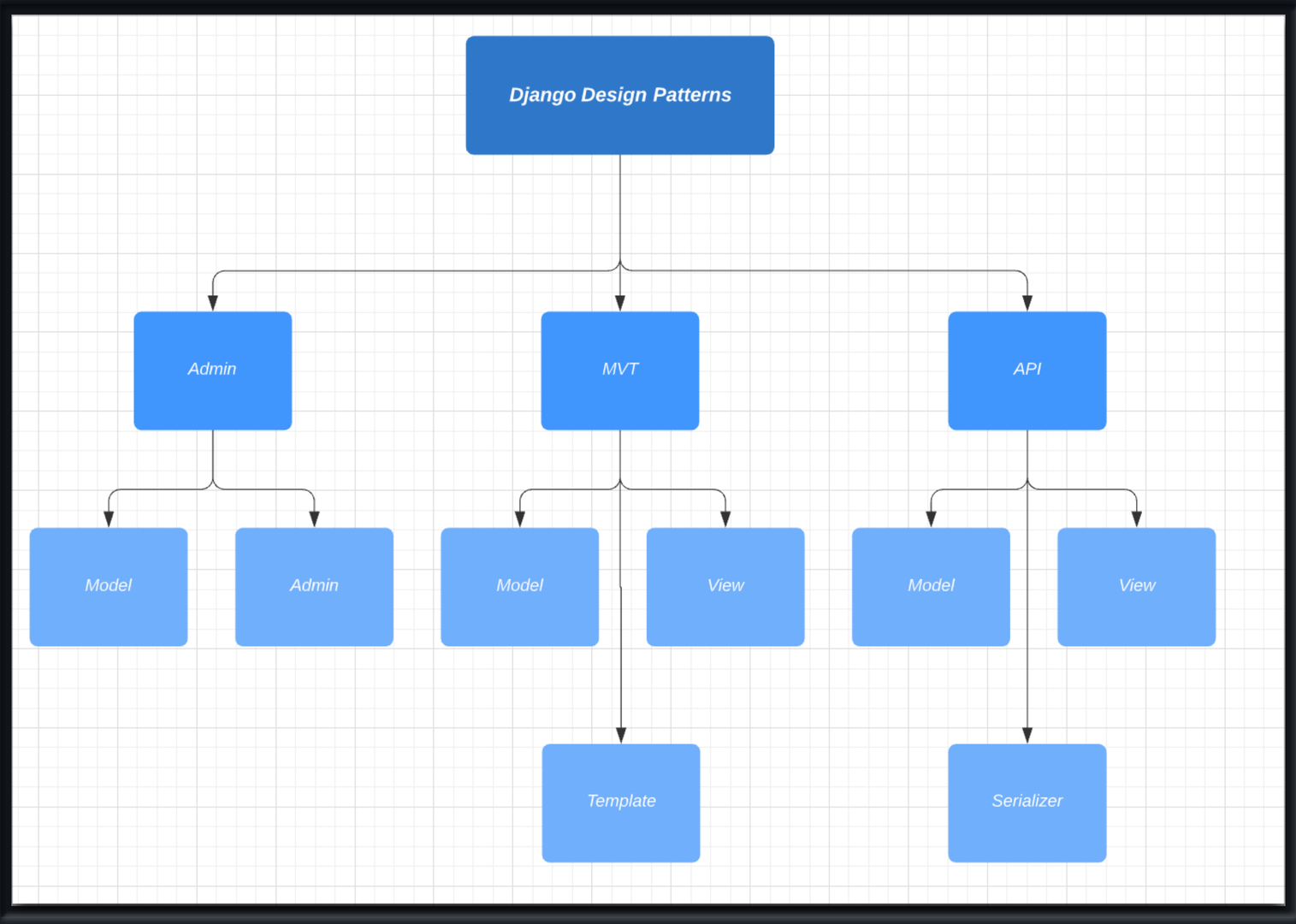


https://github.com/chrisdl/Django-QuerySet-Cheatsheet

What is an API?

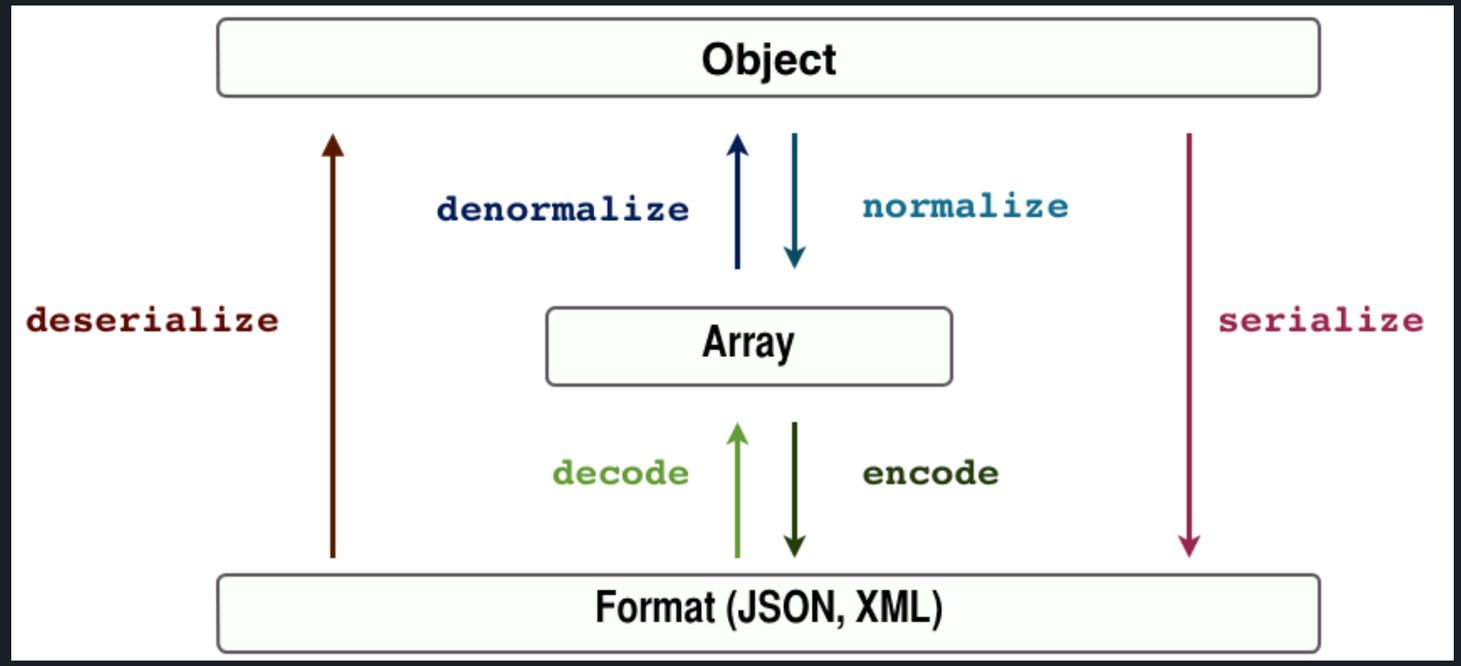


Django - Choose Your Path



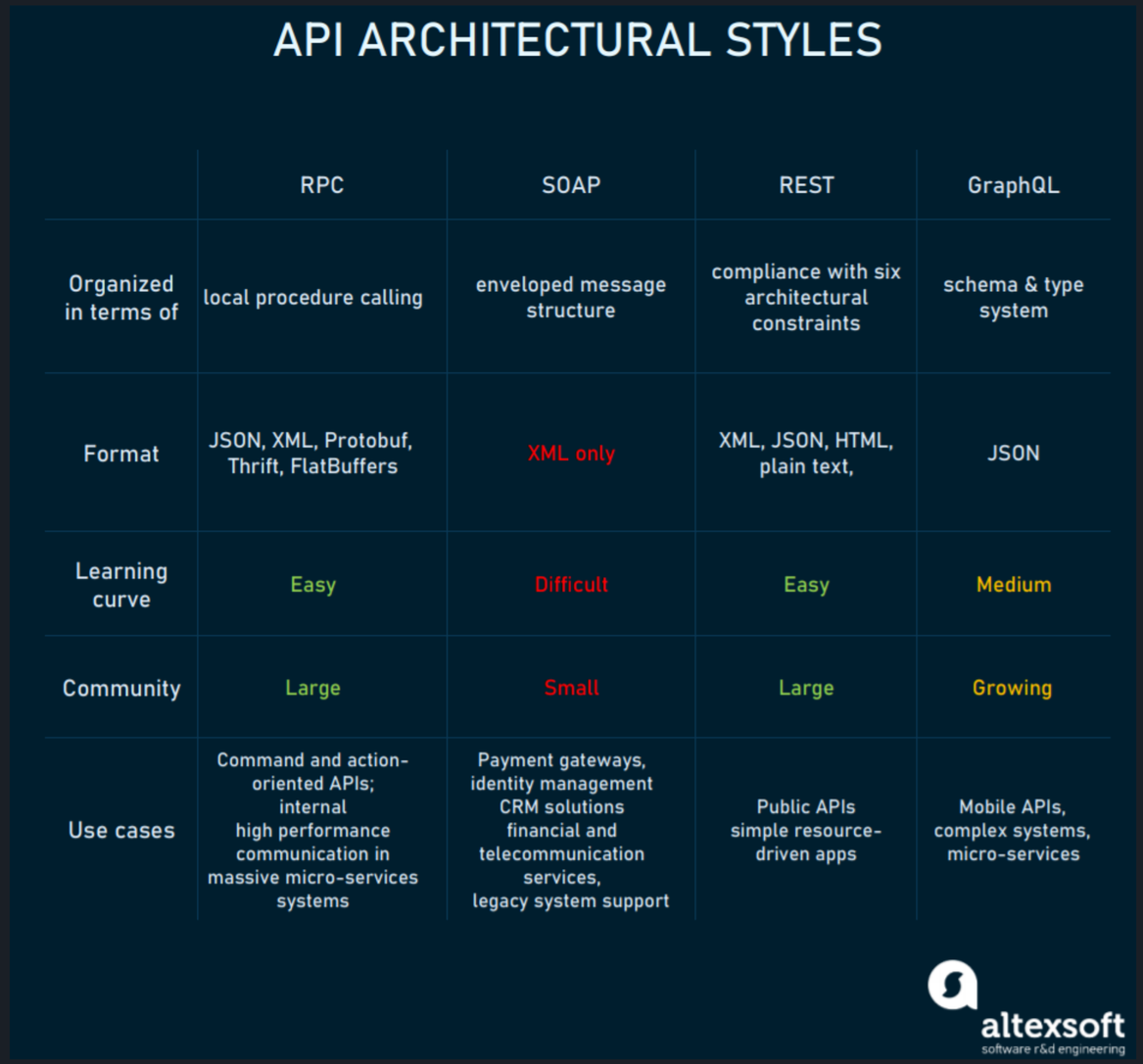
Django - What is a serializer?

- Serializer
  - Translates Database Objects into a “common” format
  - Typically JSON
  - Can be XML and others



Django - API Packages

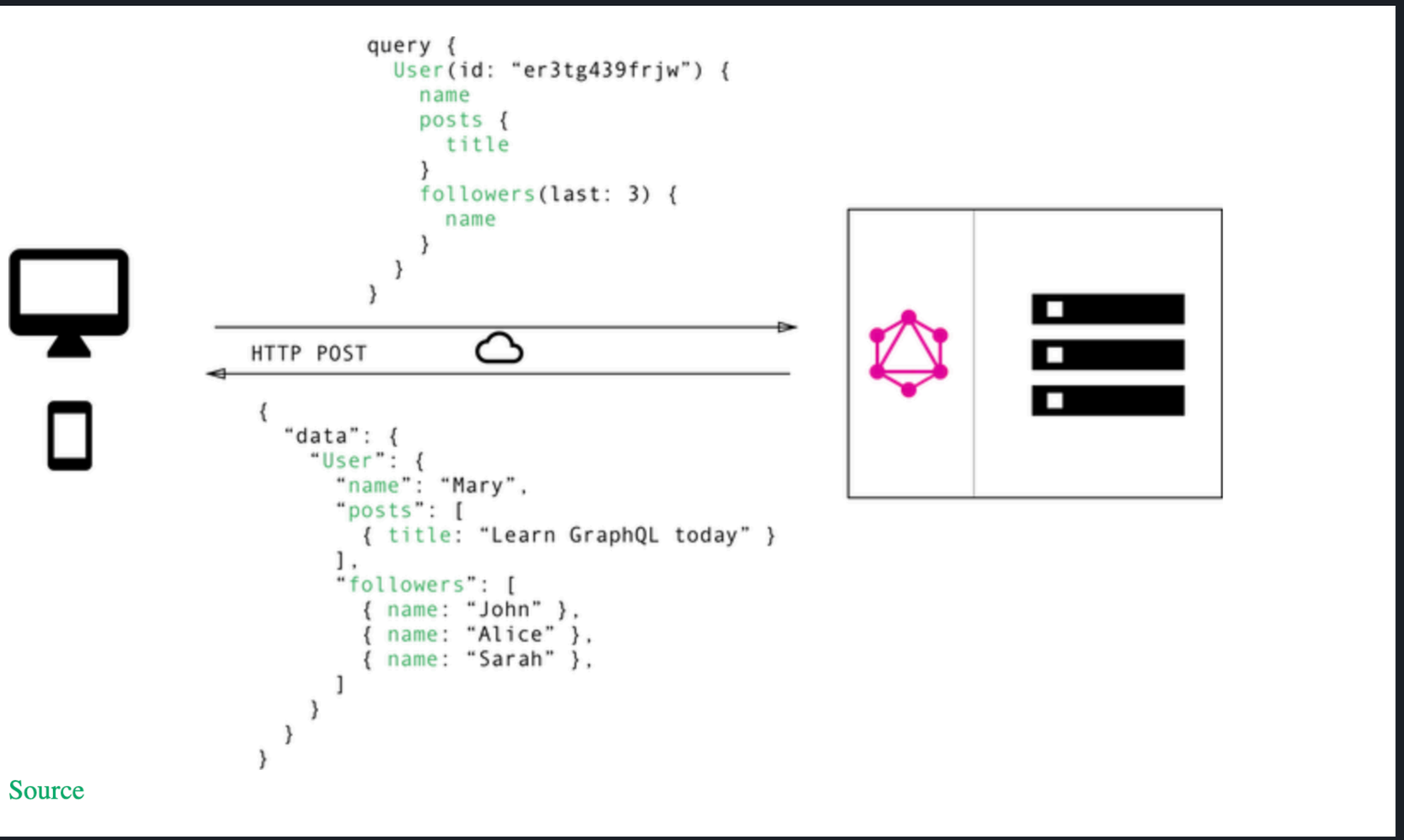
API - Architectures



API - Rest Example

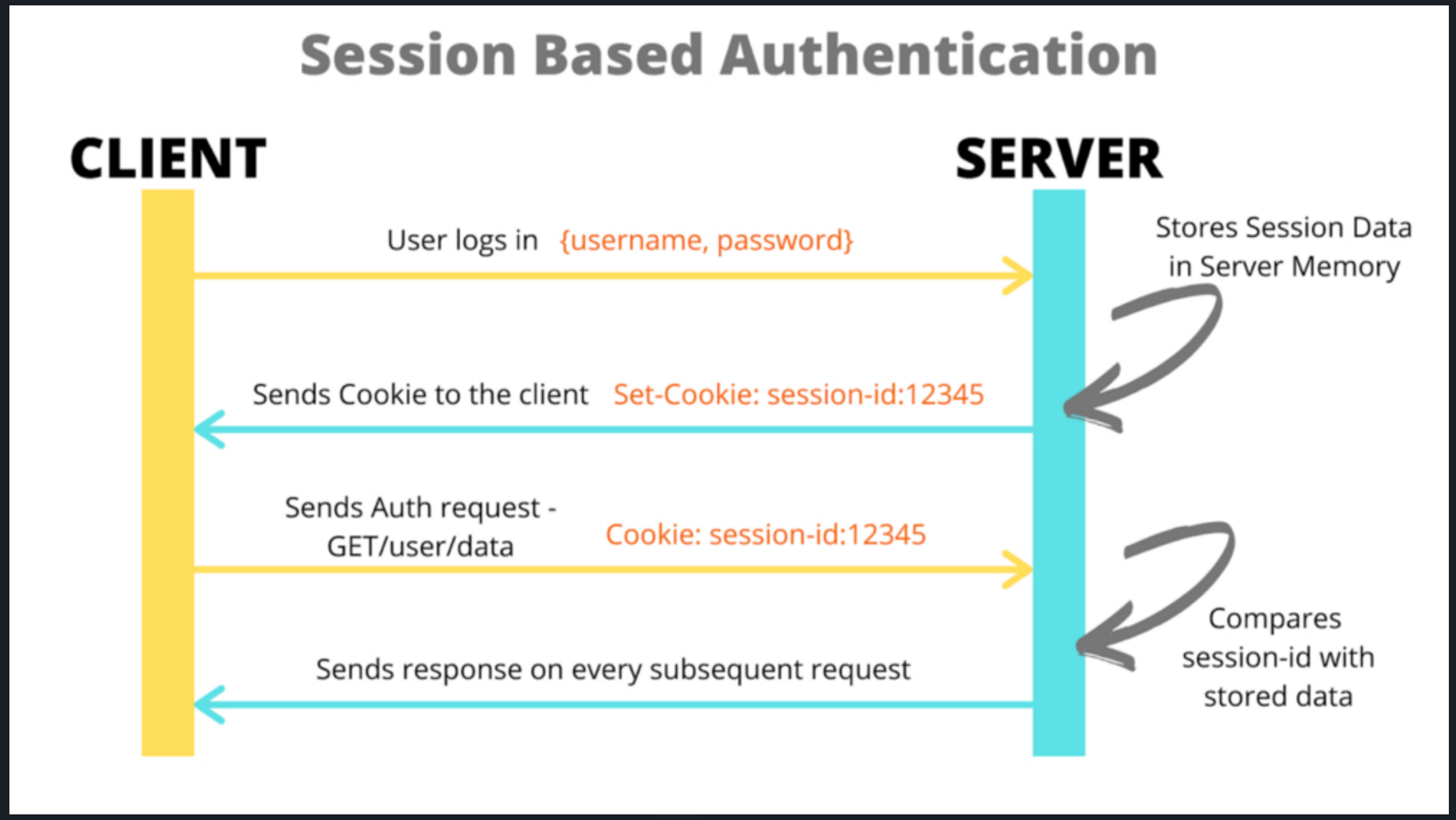
Source

API - GraphQL Example

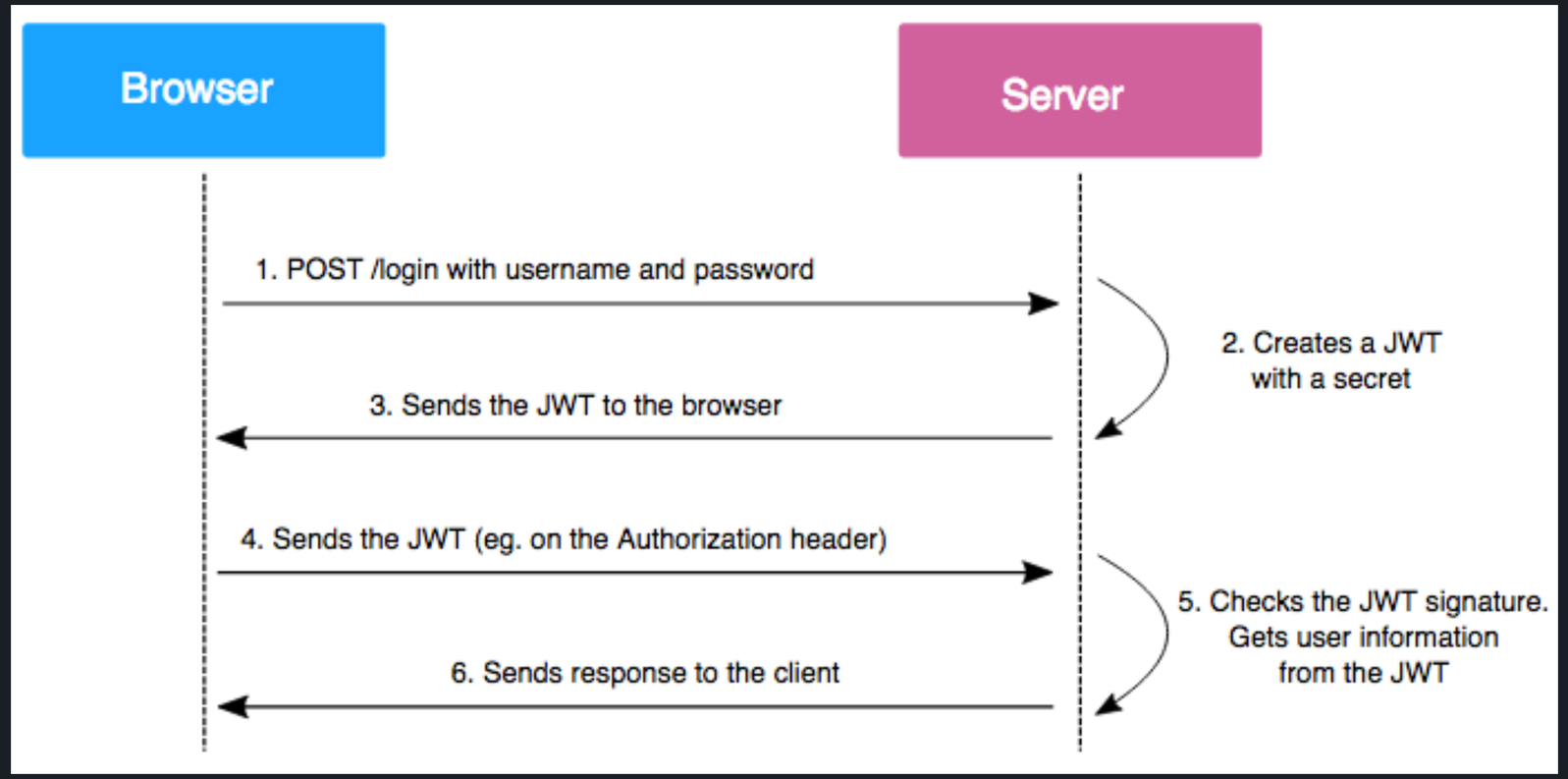


Source

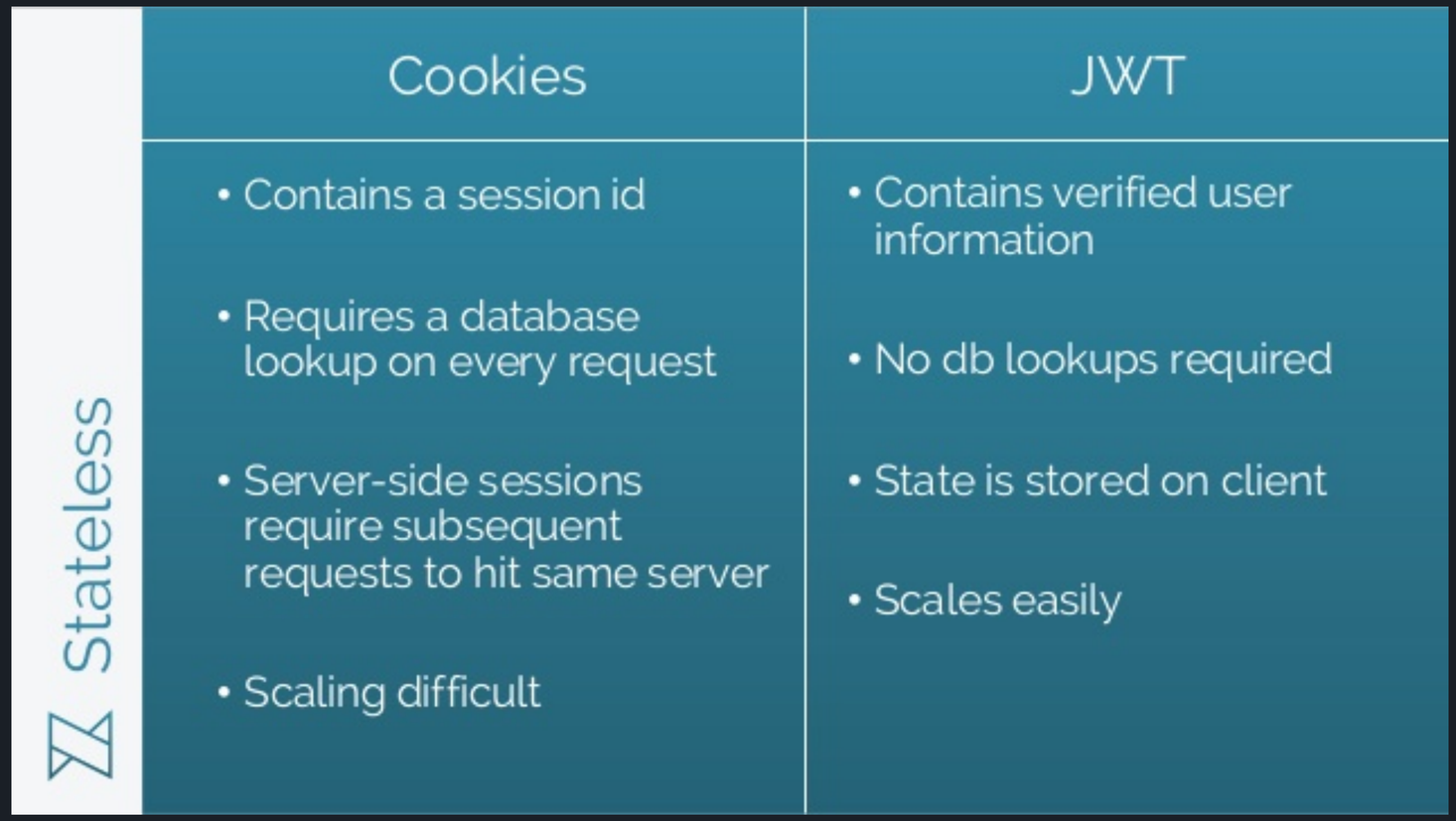
DRF Authentication - Cookie



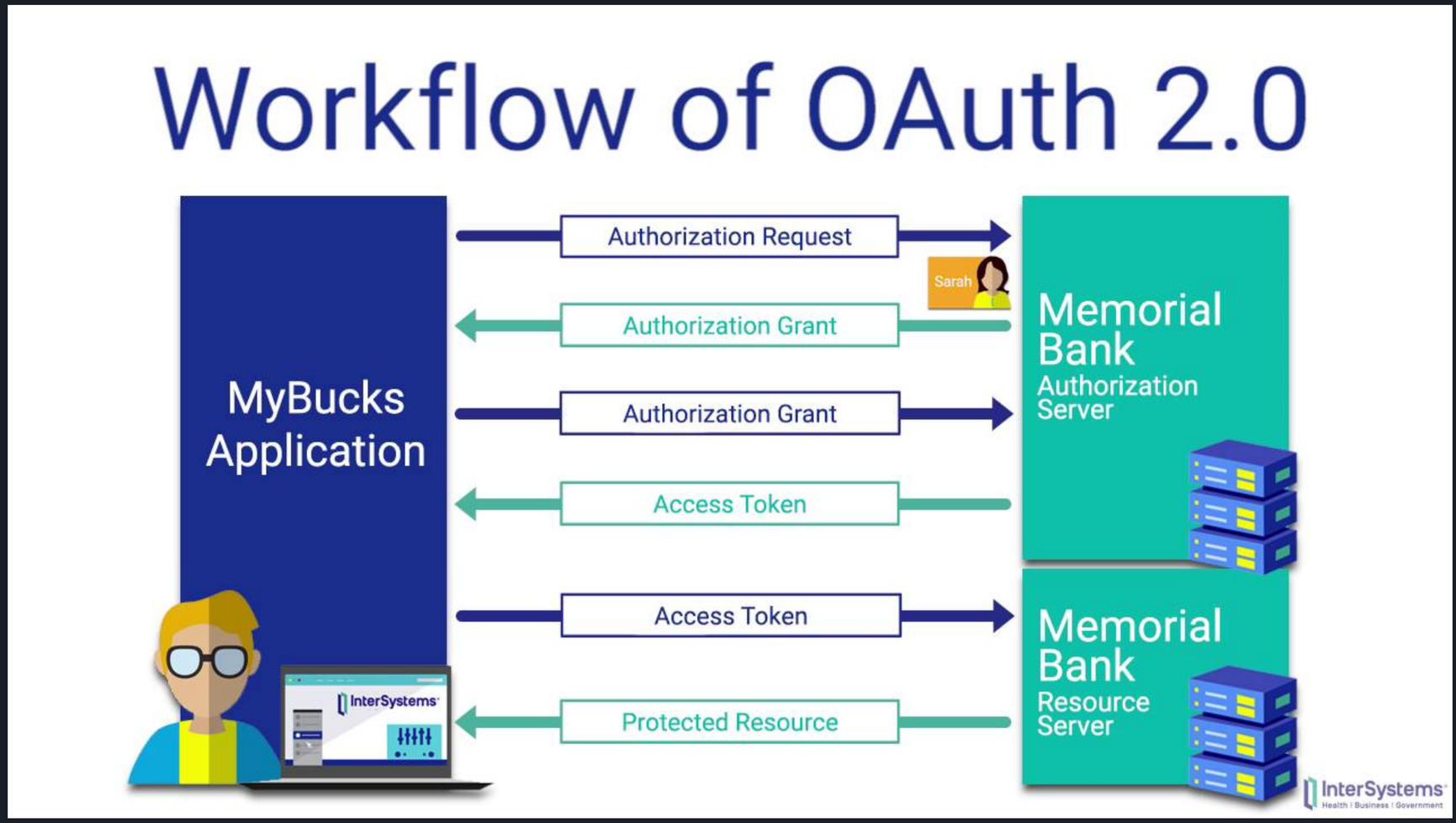
DRF Authentication - JWT



DRF Authentication - Cookie vs JWT



But what about OAuth(2.0)?



Which One Do You Use?

- **Cookie / Session**
  - Tradiitonal Web Apps
- Important Points
  - Mark cookies as HTTP Only
  - Only allow Same-Site requests
  - Give expirations

- **OAuth (2.0)**
  - Non browser based support (smartwatch, mobile, IoT, etc)
- Important Points
  - Route guard you app with redirects to auth server
  - Register token with client app attributes on server
  - Give Expirations

- **JWT**
  - Microservice or millions of users+
- Important Points
  - Never store in HTML5 local storage
  - Only send over secure channels (HTTPS)
  - Give expirations and exclude old tokens

Questions?

Take Home Challenge