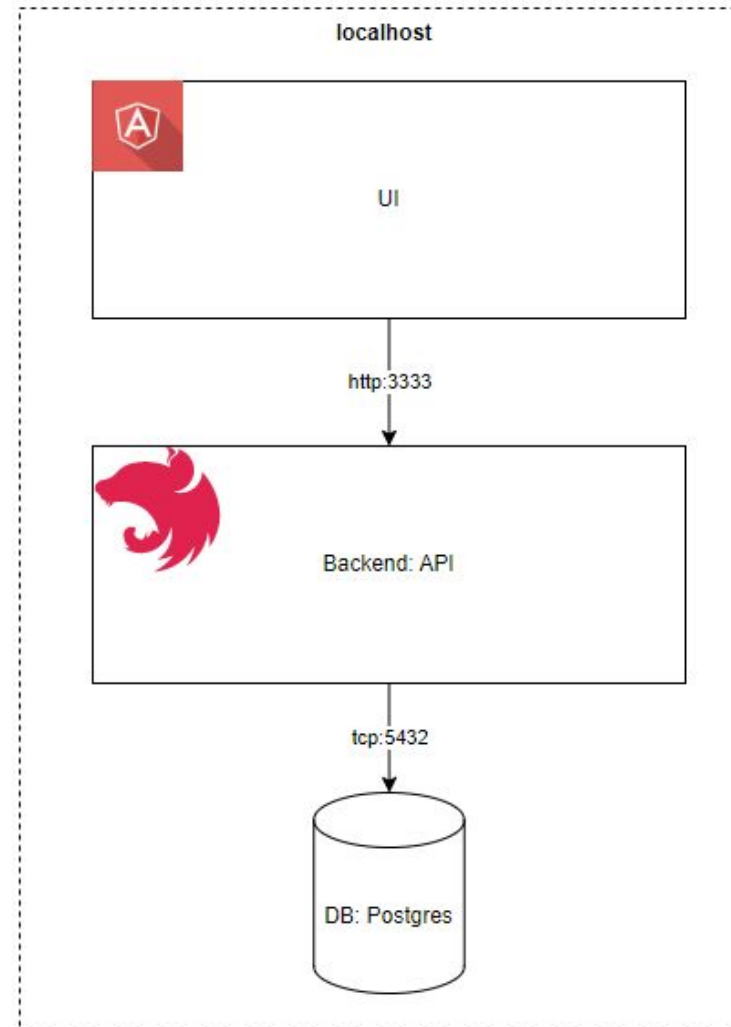


# FullStack #WebDevelopment Bootcamp

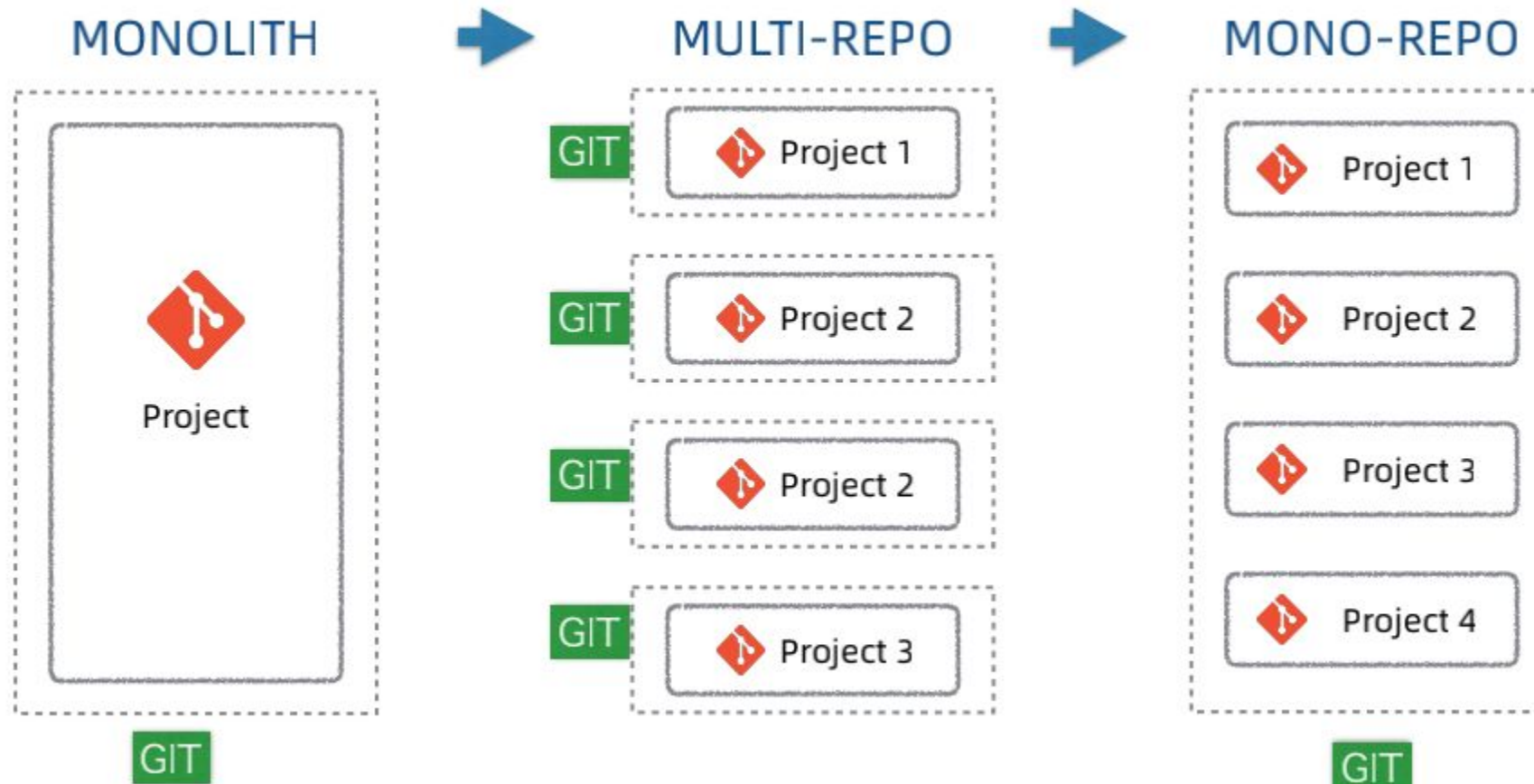
Course Week 3

# Remembrance: Structure of our application



- UpperCamelCase => class/interface/type/enum/decorator
- lowerCamelCase => variable/parameter/function/property/method
- File Names:
  - If its a single class/controller/service
    - say: "ObservableLoggingService" => "observable-logging.service (.service since its a special keyword in our framework)
  - If its a collection of types (multiple classes/types/interfaces)
    - usually I have <collection-name>.types
      - e.g.: authentication.types
- Variables/Function/Names should answer the question of "why do I exist?"
- **Do not leave comments in your code to explain anything => the code itself should be readable by anyone**

# Mono-Repository vs Multi-Repository



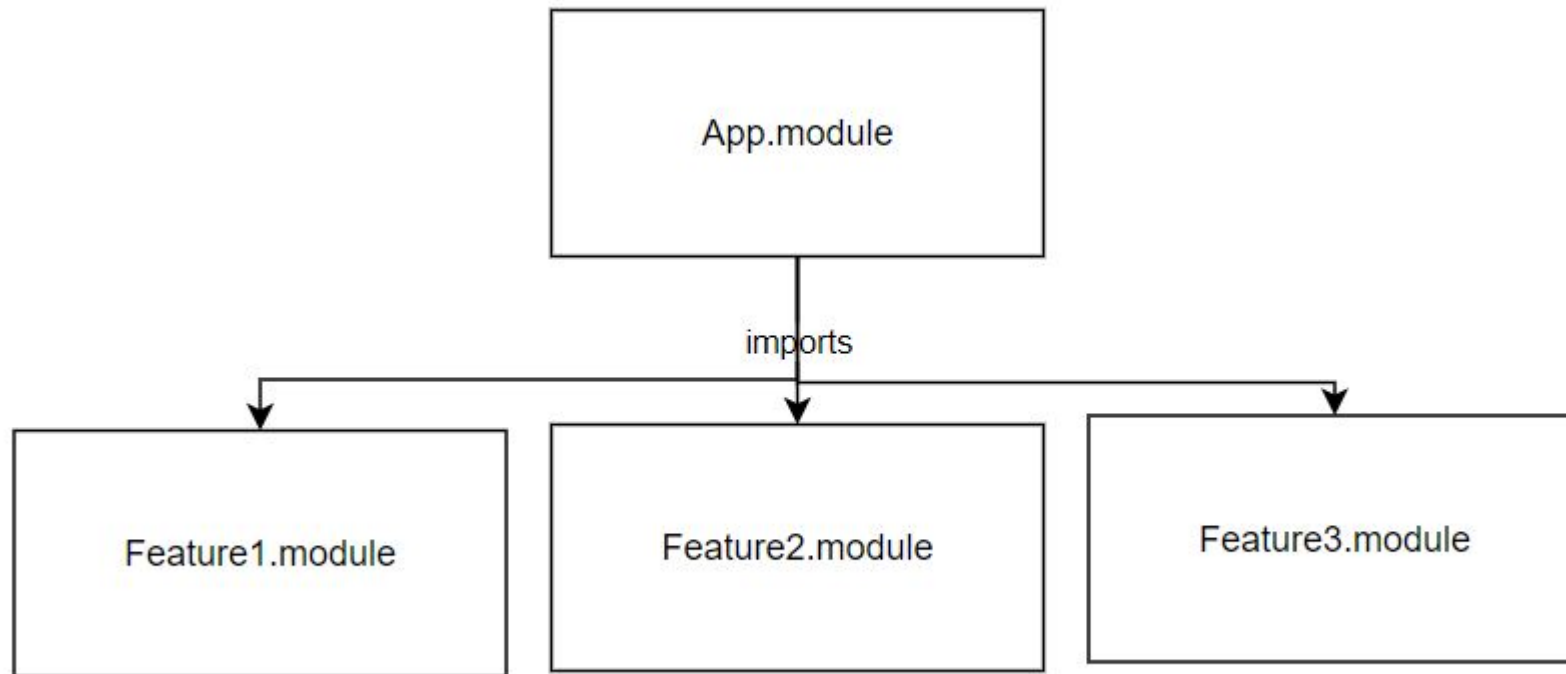
- Used for organize/test/manage large JS/TS projects
- Based on best practices used in Google to scale their own mono-repositories
- It can be used for small or large projects in various of frameworks (Angular, React, Nest.js, Express.js, Web Component Libraries, JS Libraries)
- Offers tooling
  - To share code between projects in your repository
  - Testing only what it needs based on Git changes
  - Migrations and generators

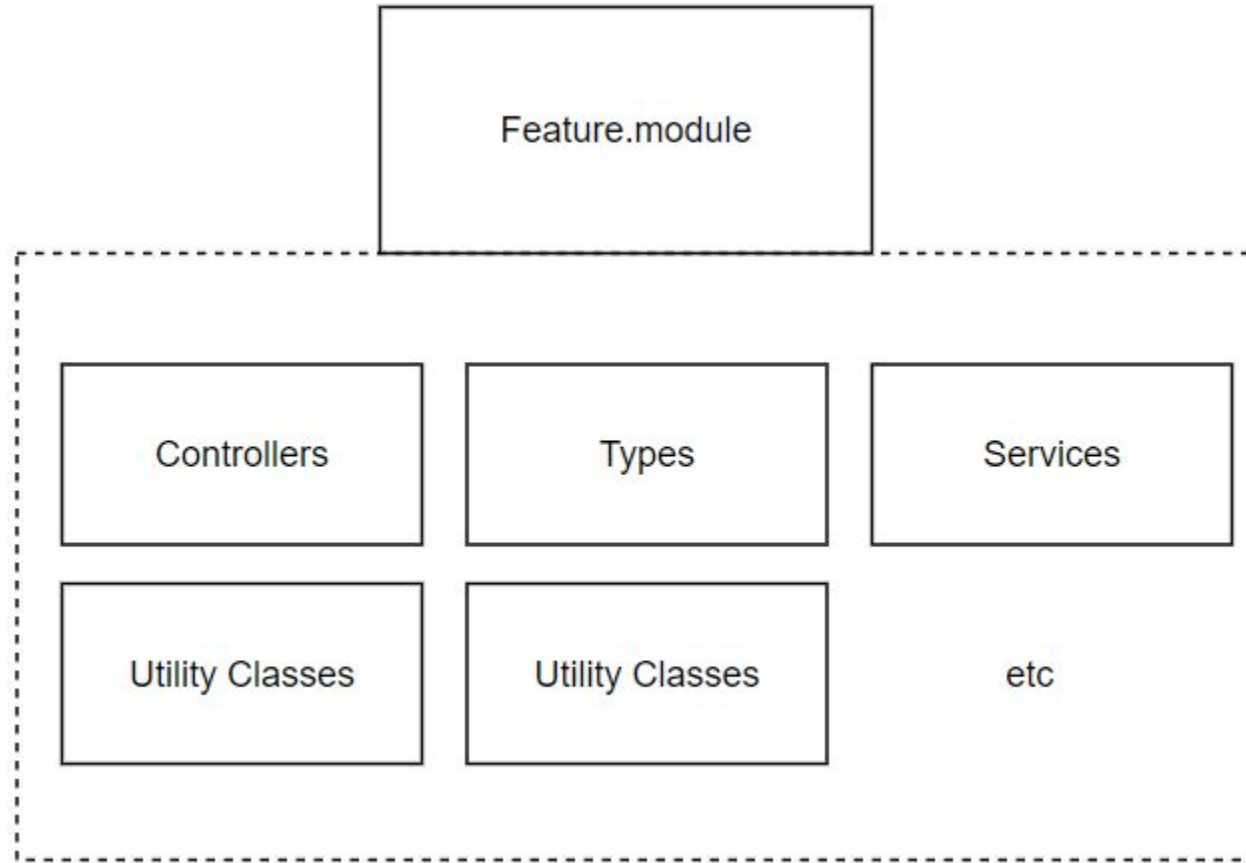


On short: Don't throw project inside a folder and put them on Git and expect it to be a mono-repository

- A Node.js used to build scalable server-side application using TypeScript
- Is built on top of Express.js (a more minimal web application framework)
- Supports REST and GraphQL APIs out of the box
- Has built-in support for various of functionality
  - Security (Authentication + Authorization)
  - Rate-Limiting
  - Microservices
  - Websockets
  - Cors
  - Logging
  - etc.

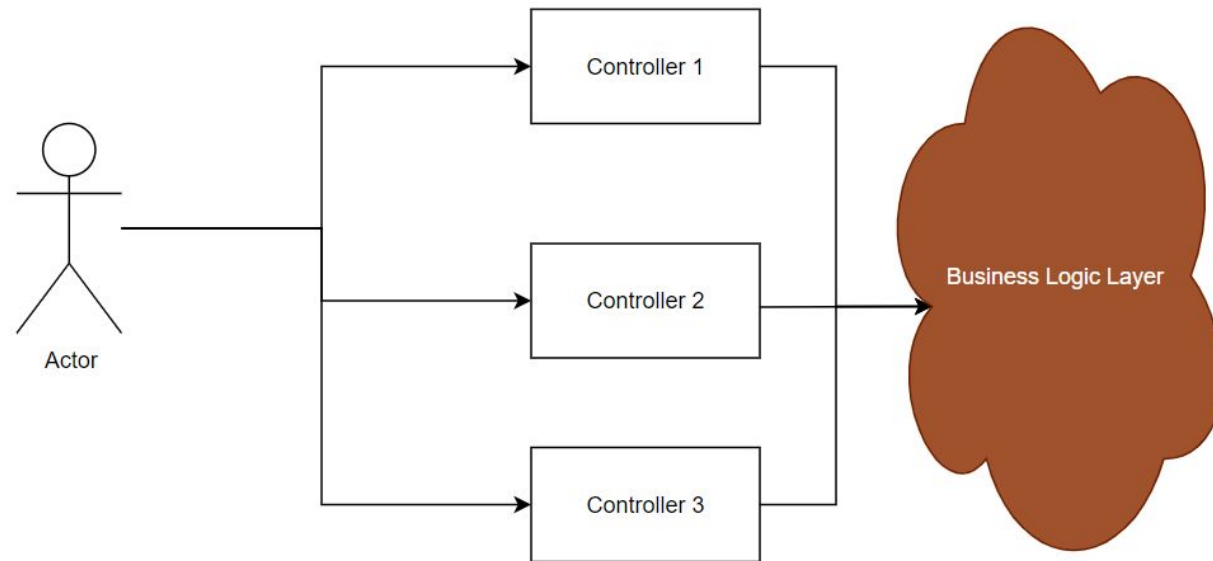






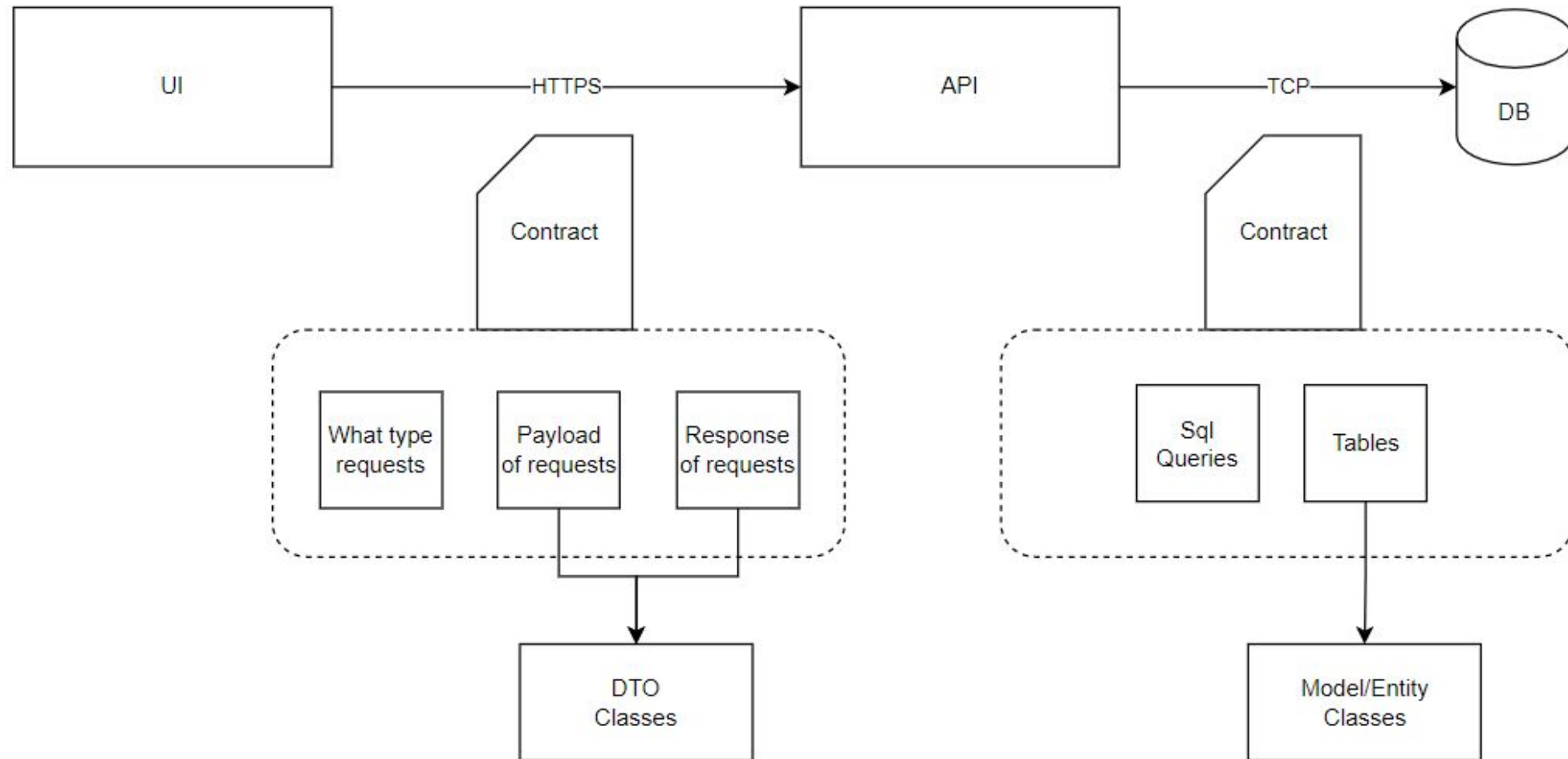


- The entry-point of the HTTP Requests in our application
- Receives and request, passes it to the business logic layer and returns the response (success, error)

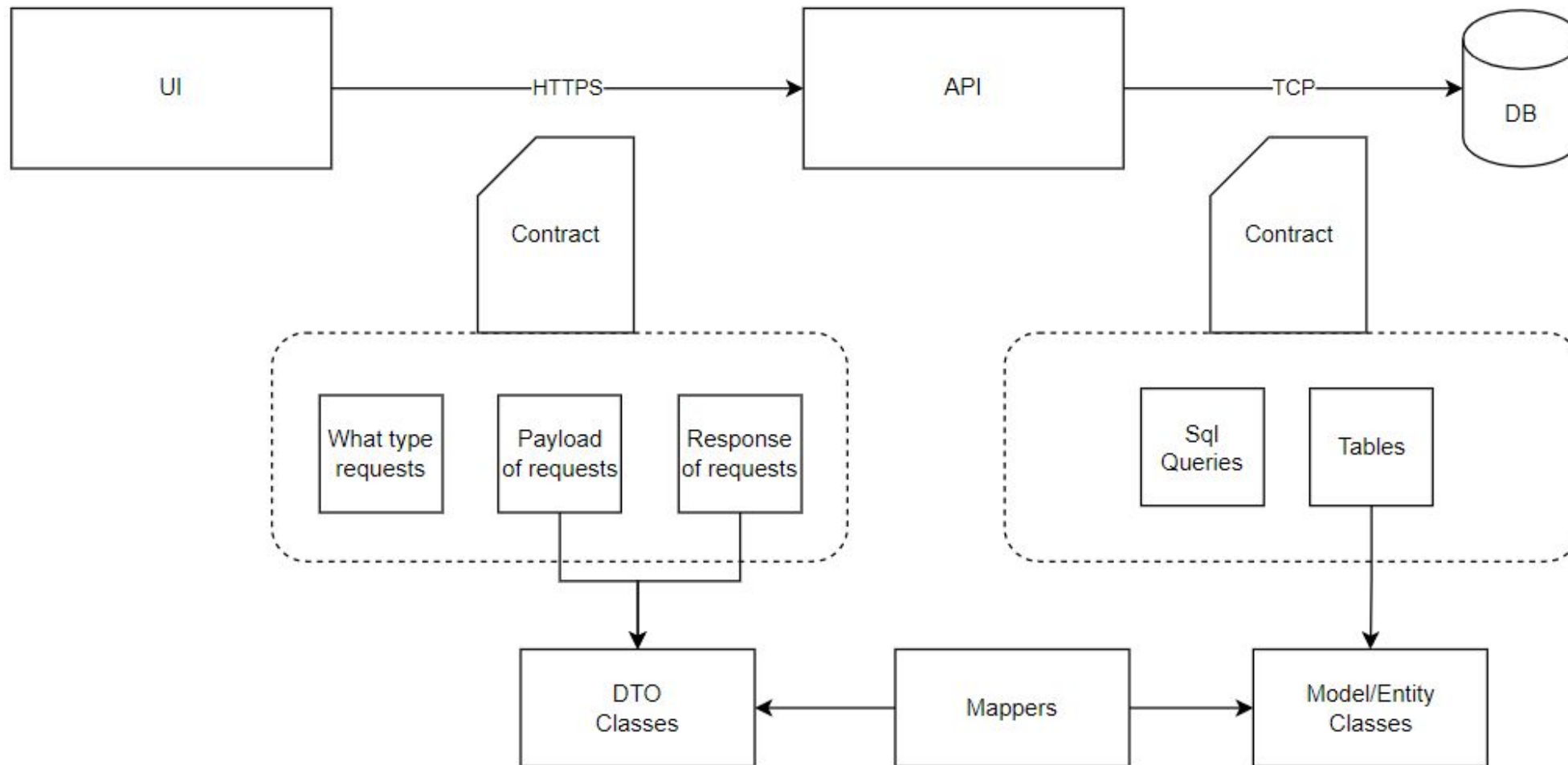


- You need to decorate a class with `@Controller`
- Add methods inside and decorate them with `@Get()`, `@Get('joke/:id')`, `@Post`, `@Put`, `@Patch`, `@Delete`
- Reference the controller inside a module

# DTO and Model Classes



# Mappers



- Offers us a way to document our “contract” for our API
- Also provides a visual interactive editor to test our API
- Integrated with Nest.js