

Laboratorul 12

Tehnologii Web

Obiectivele laboratorului



Recapitulare



GraphQL

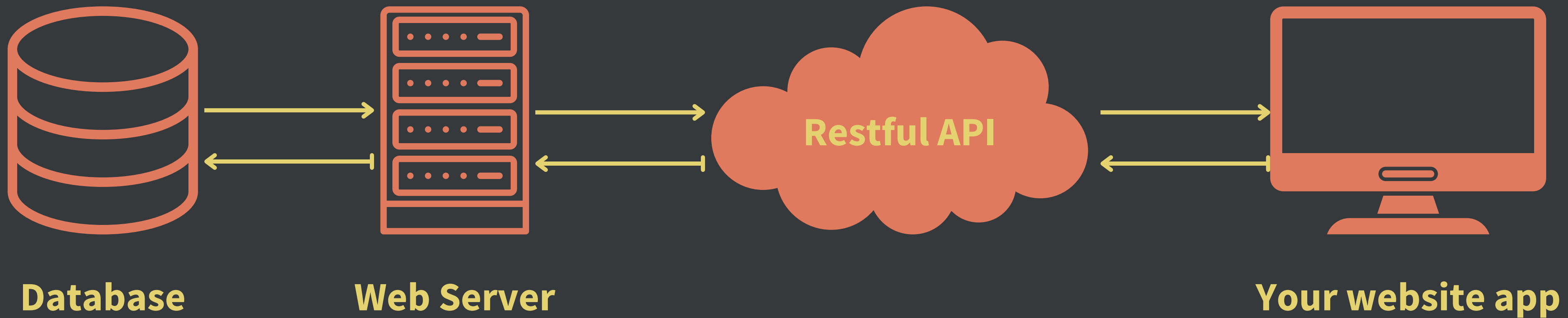


Microservicii

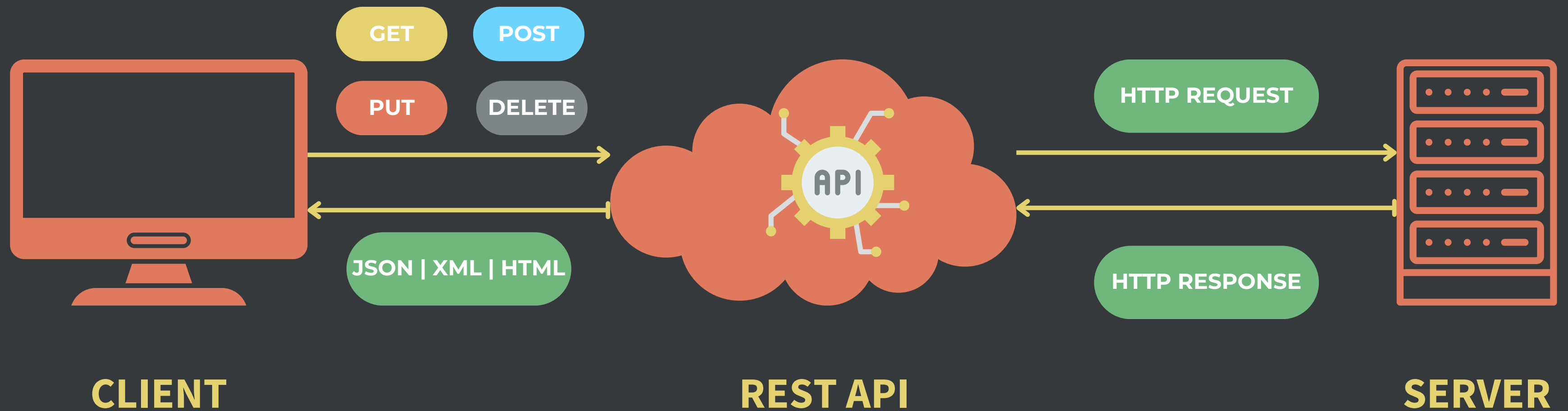


Open API

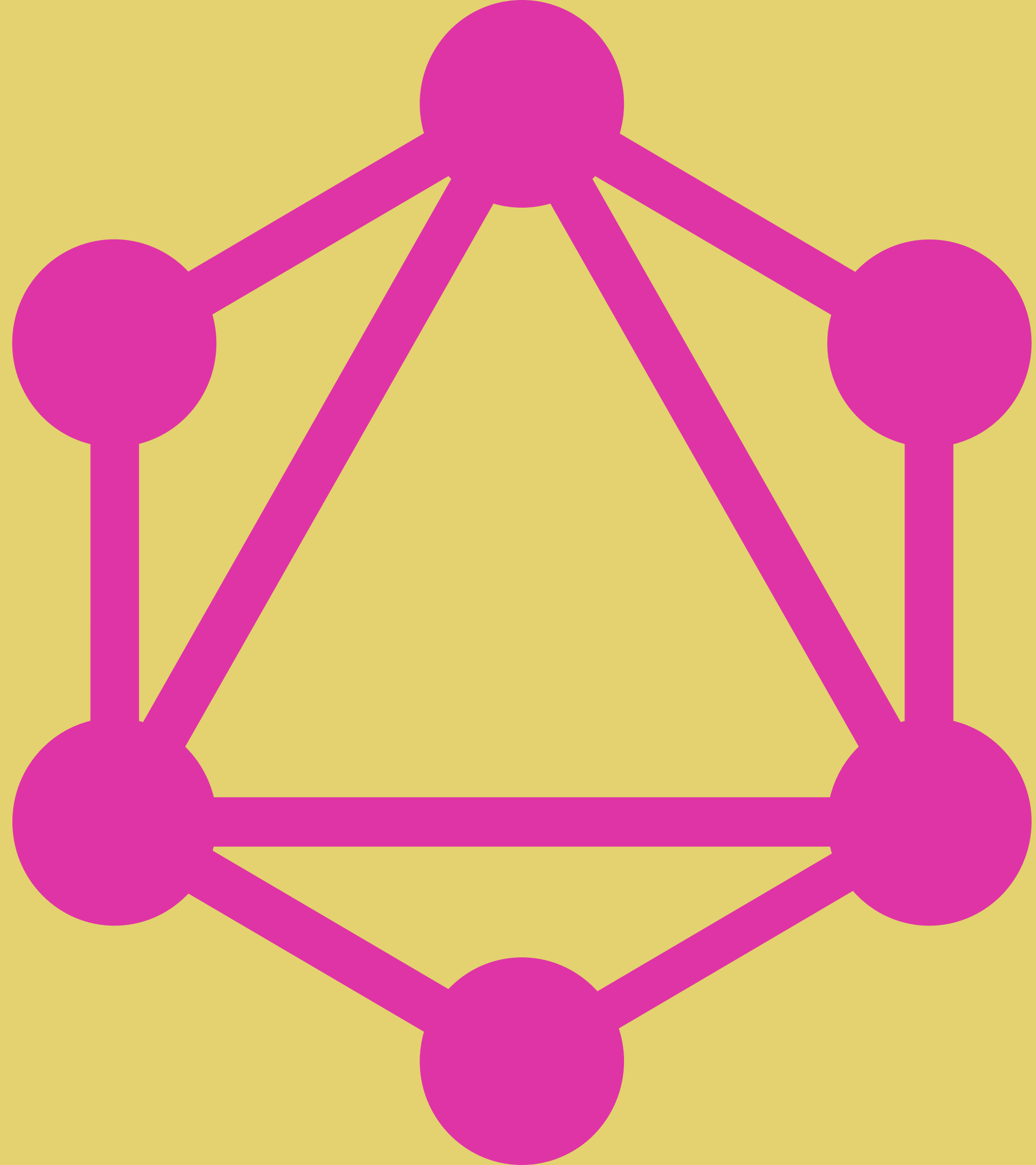
Recapitulare



REST API Model



GraphQL



Queries

```
{
  hero {
    name
    friends {
      name
    }
  }
}
```

```
{
  "hero" : {
    "name" : "R2-D2",
    "friends": [
      {"name" : "Luke Skywalker" },
      {"name" : "Han Solo" },
      {"name" : "Leia Organa" }
    ]
  }
}
```

Mutations

```
mutation AddNewPet( $name: String!, $petType: PetType) {  
  addPet(name: $name, petType: $petType) {  
    id  
    name  
    petType  
  }  
}
```

Type System (Model)

```
type BlogPost {  
  title: String!  
  author: User  
  body: String  
}
```

```
type User {  
  id: Id!  
  firstName: String  
  lastName: String  
}
```


Schema

```
$schema = new Schema([  
  'query' => $queryType,  
  'mutation' => $mutationType,  
]);
```

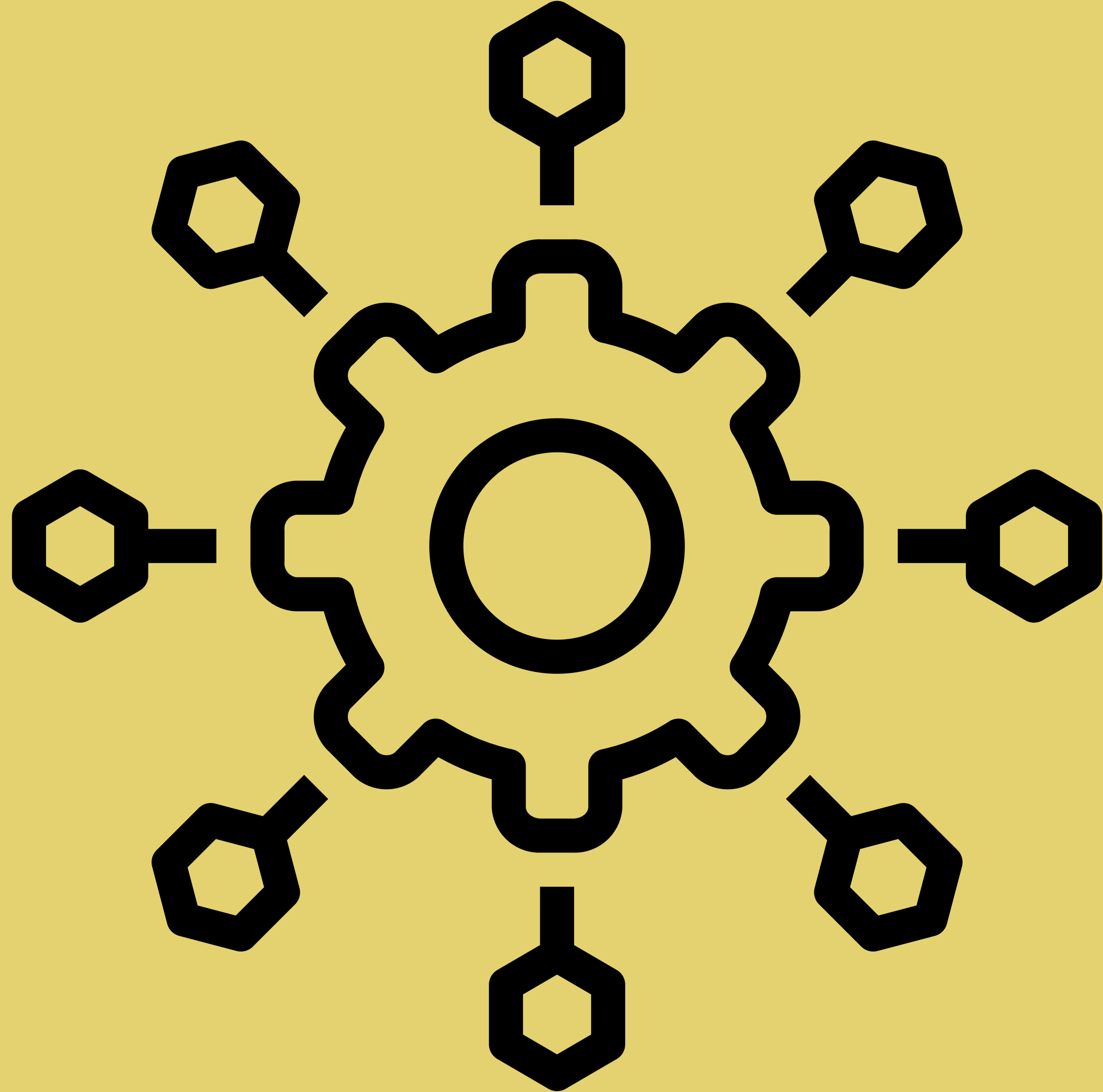
Start Server

```
$server = new StandardServer([  
    'schema' => $schema  
]);  
  
$server->handleRequest();
```



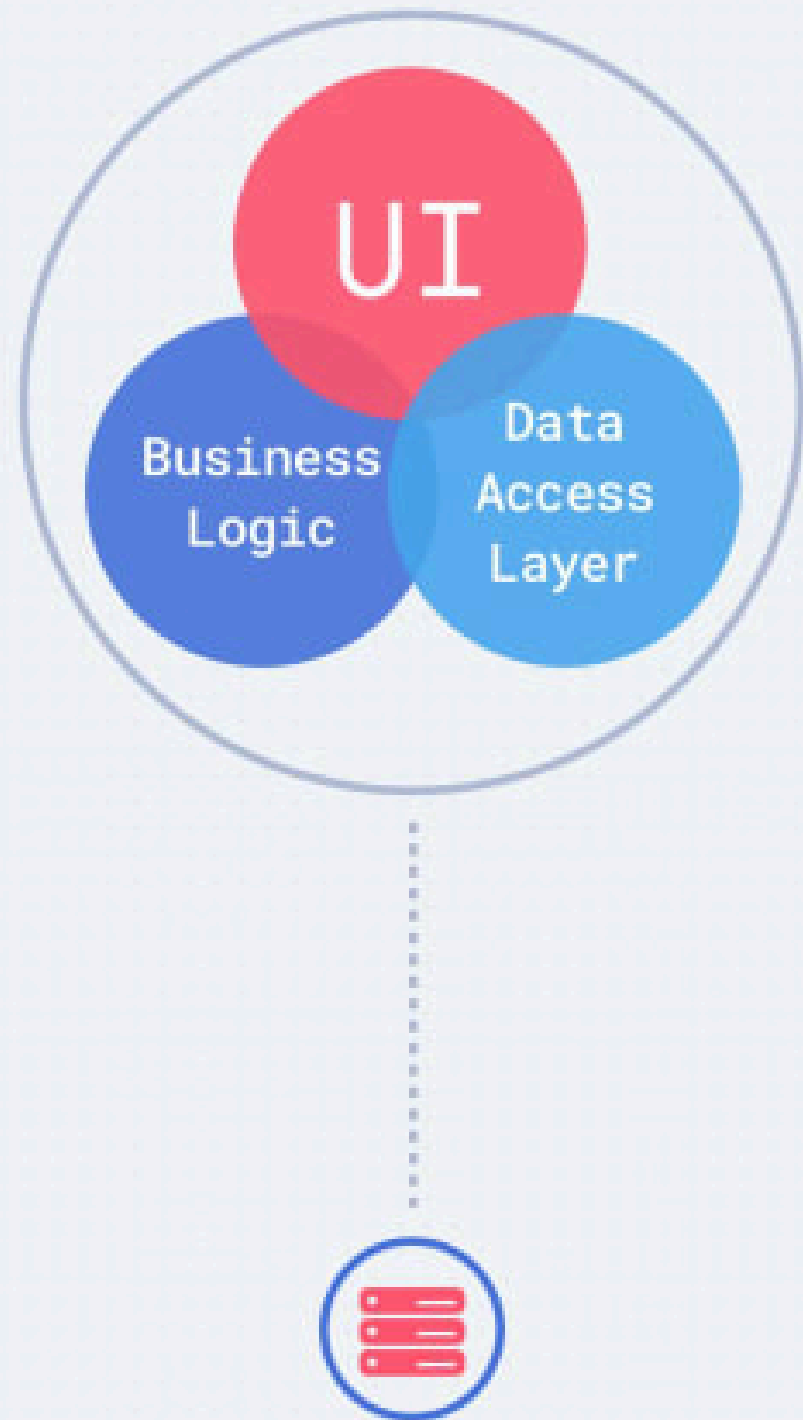
Cum funcționează

Microservicii

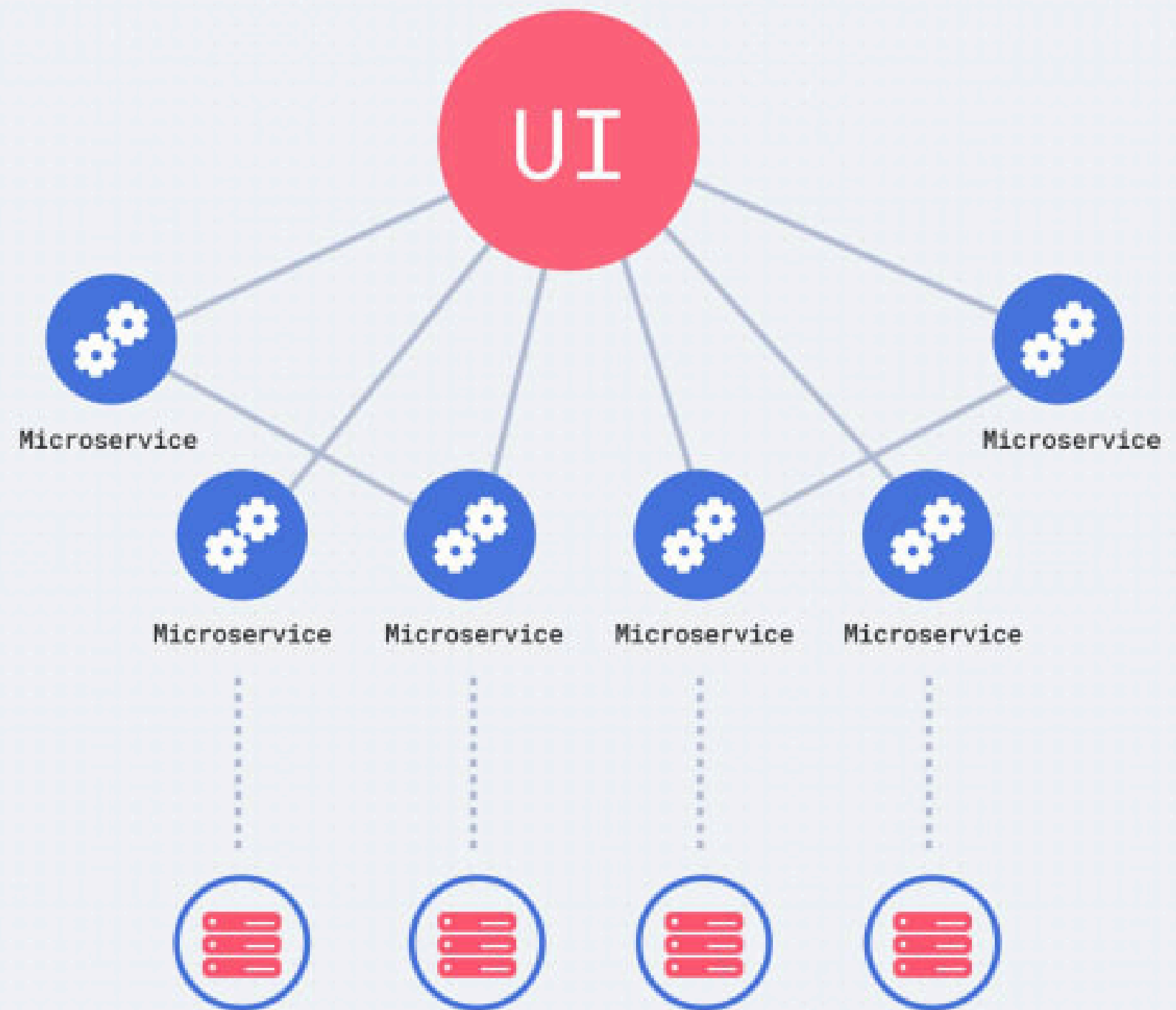


Microservicii

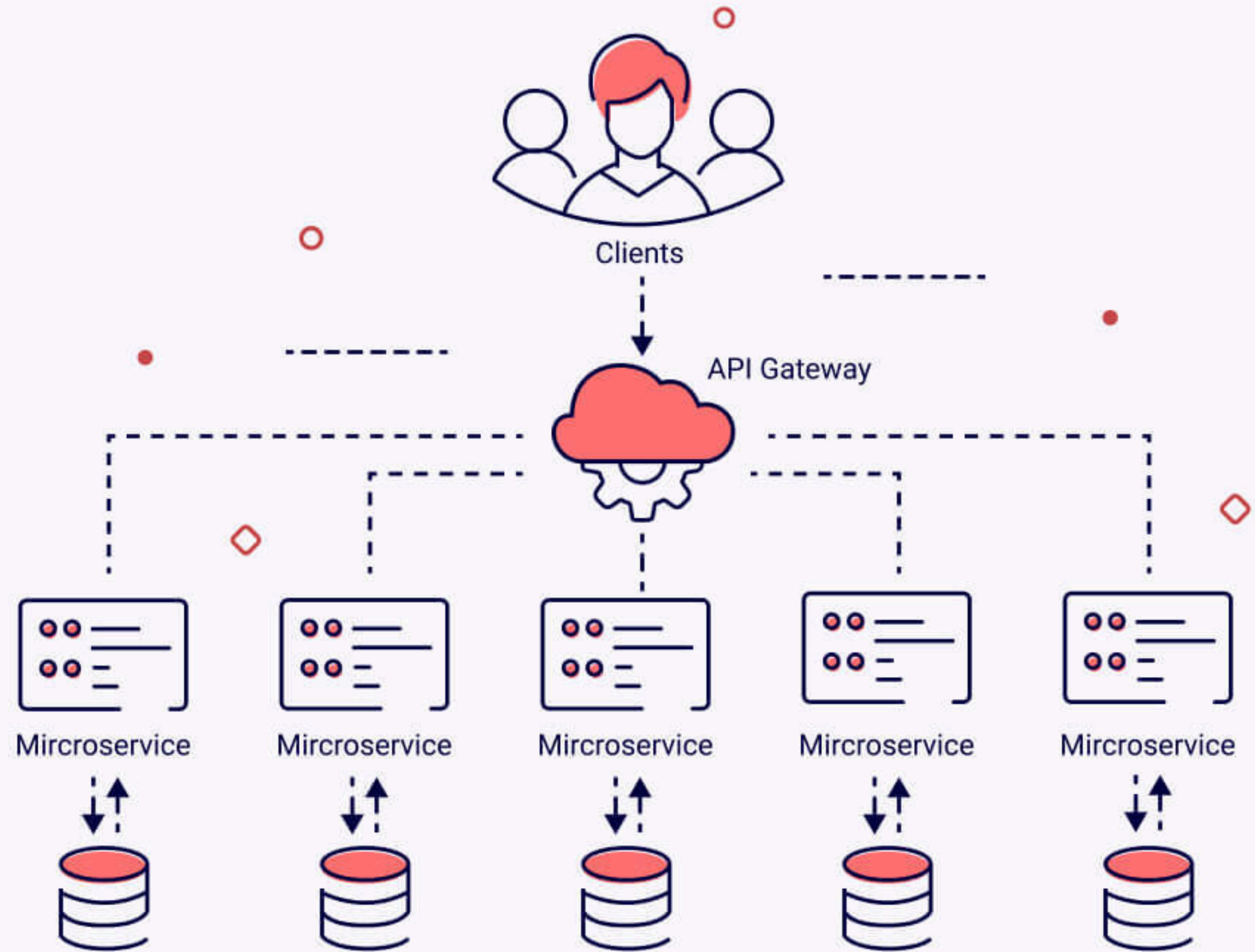
Monolithic Architecture



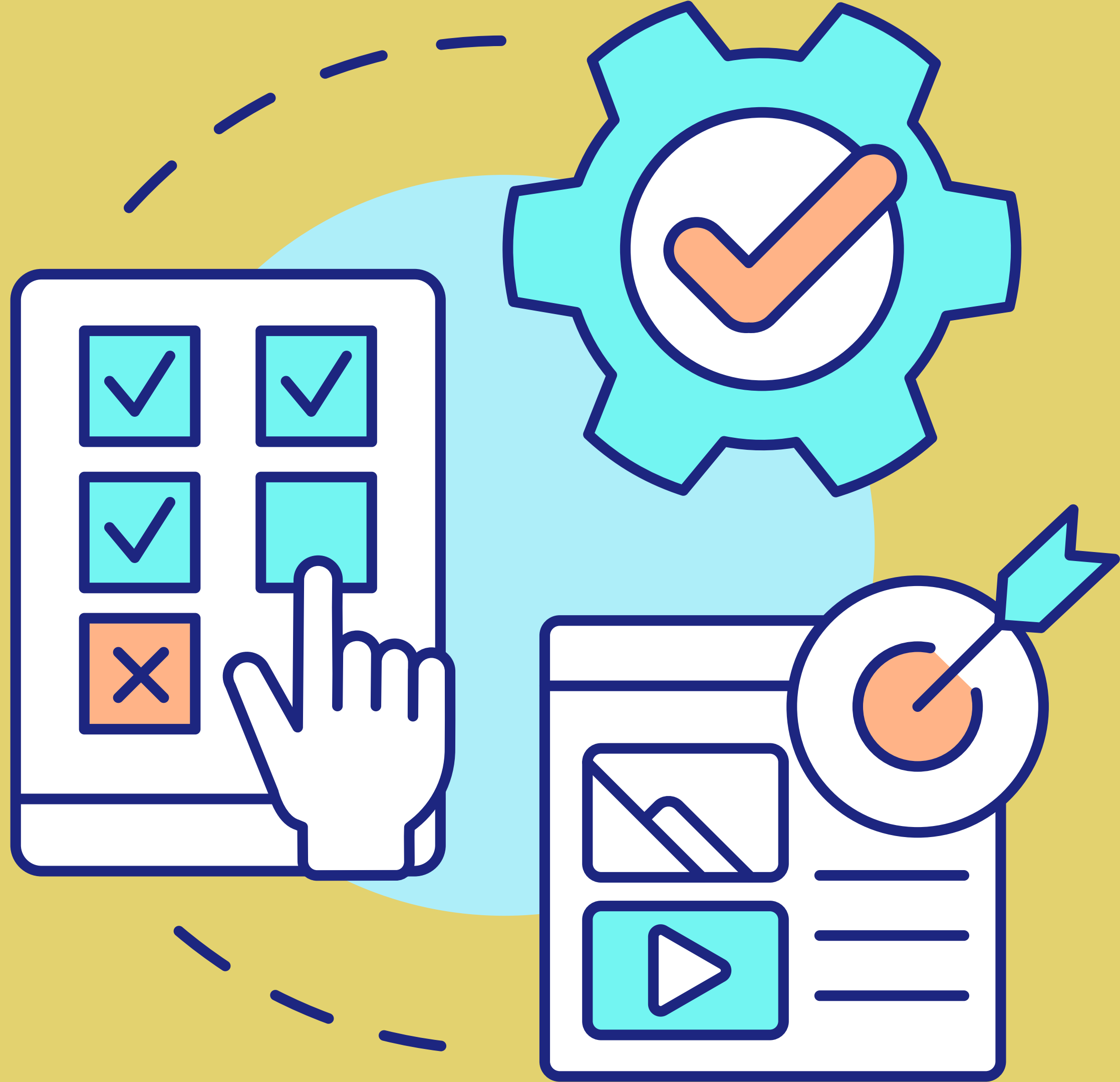
Microservices Architecture



Microservicii



OpenAPI Specification



Swagger



Swagger Petstore

1.0.0 OAS3

This is a sample Petstore server. You can find out more about Swagger at <http://swagger.io> or on [#swagger](irc://freenode.net).

[Terms of service](#)

[Contact the developer](#)

[Apache 2.0](#)

[Find out more about Swagger](#)

Servers

Authorize

pet Everything about your Pets

[Find out more](#)

POST	/pet	Add a new pet to the store	⌵ 🔒 ↶
PUT	/pet	Update an existing pet	⌵ 🔒 ↶
GET	/pet/findByStatus	Finds Pets by status	⌵ 🔒 ↶
GET	/pet/findByTags	Finds Pets by tags	⌵ 🔒 ↶
GET	/pet/{petId}	Find pet by ID	⌵ 🔒 ↶
POST	/pet/{petId}	Updates a pet in the store with form data	⌵ 🔒 ↶
DELETE	/pet/{petId}	Deletes a pet	⌵ 🔒 ↶



Cum funcționează

Exerciții

**“GIVE A MAN A FISH AND YOU
FEED HIM FOR A DAY; TEACH
A MAN TO FISH AND YOU
FEED HIM FOR A LIFETIME.**

”

— Maimonides