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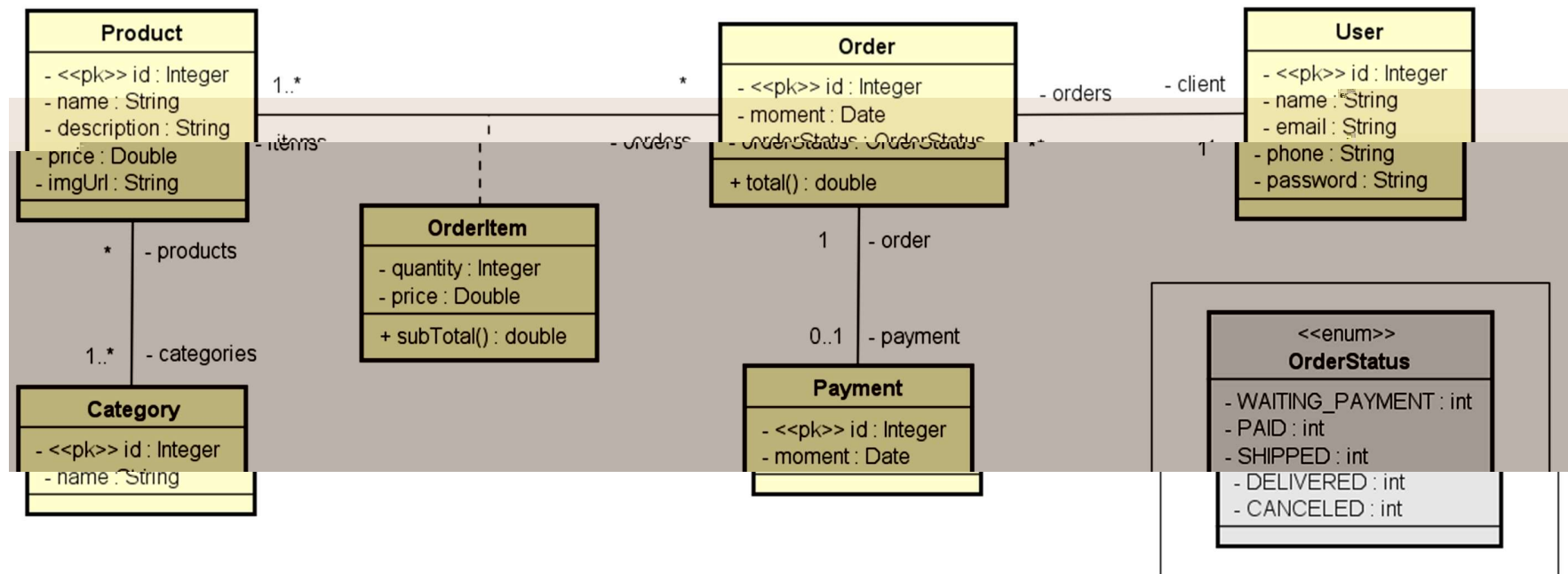
<https://github.com/acenelio/workshop-springboot2-jpa>

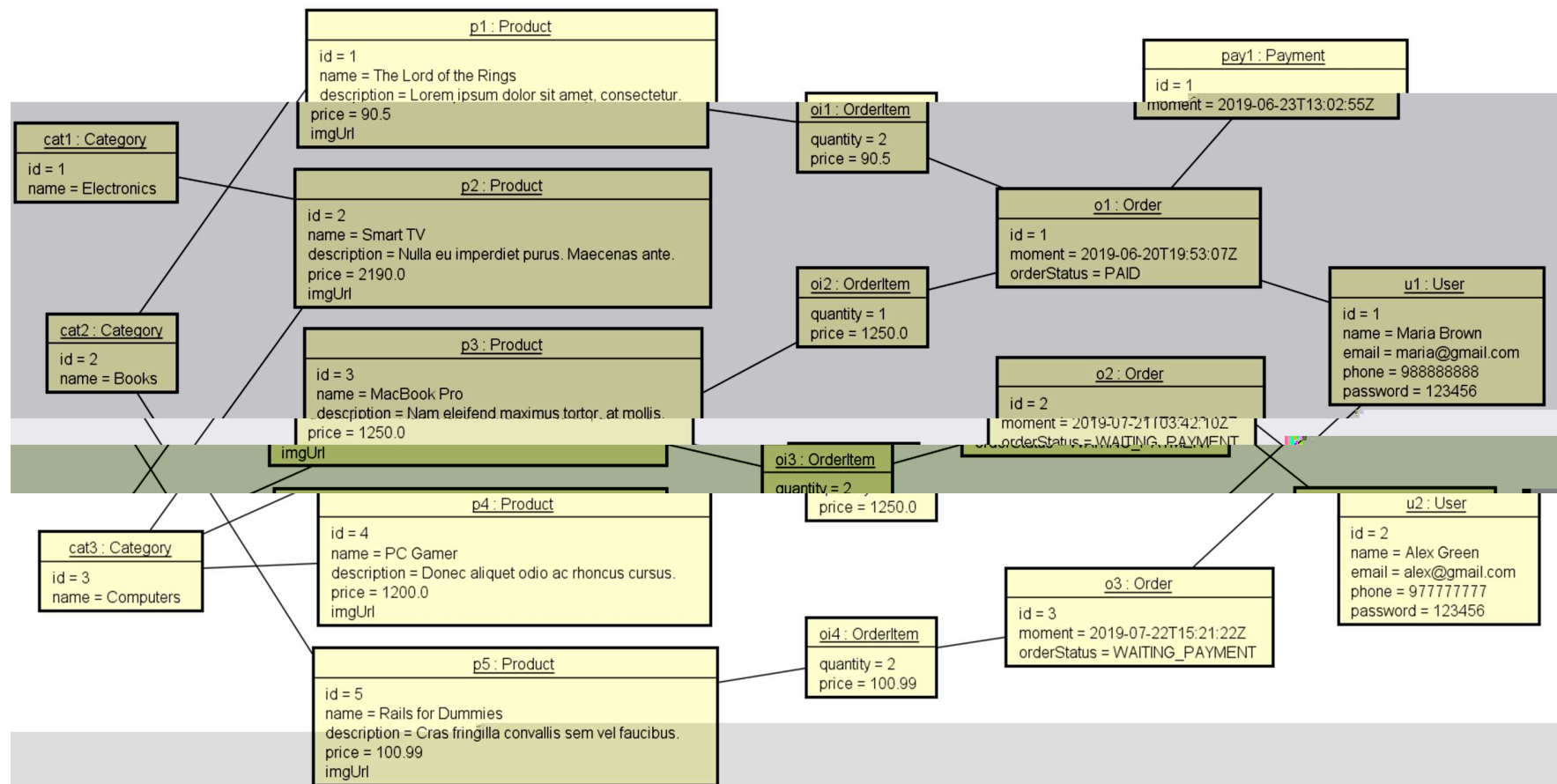
<https://github.com/acenelio/workshop-springboot3-jpa>

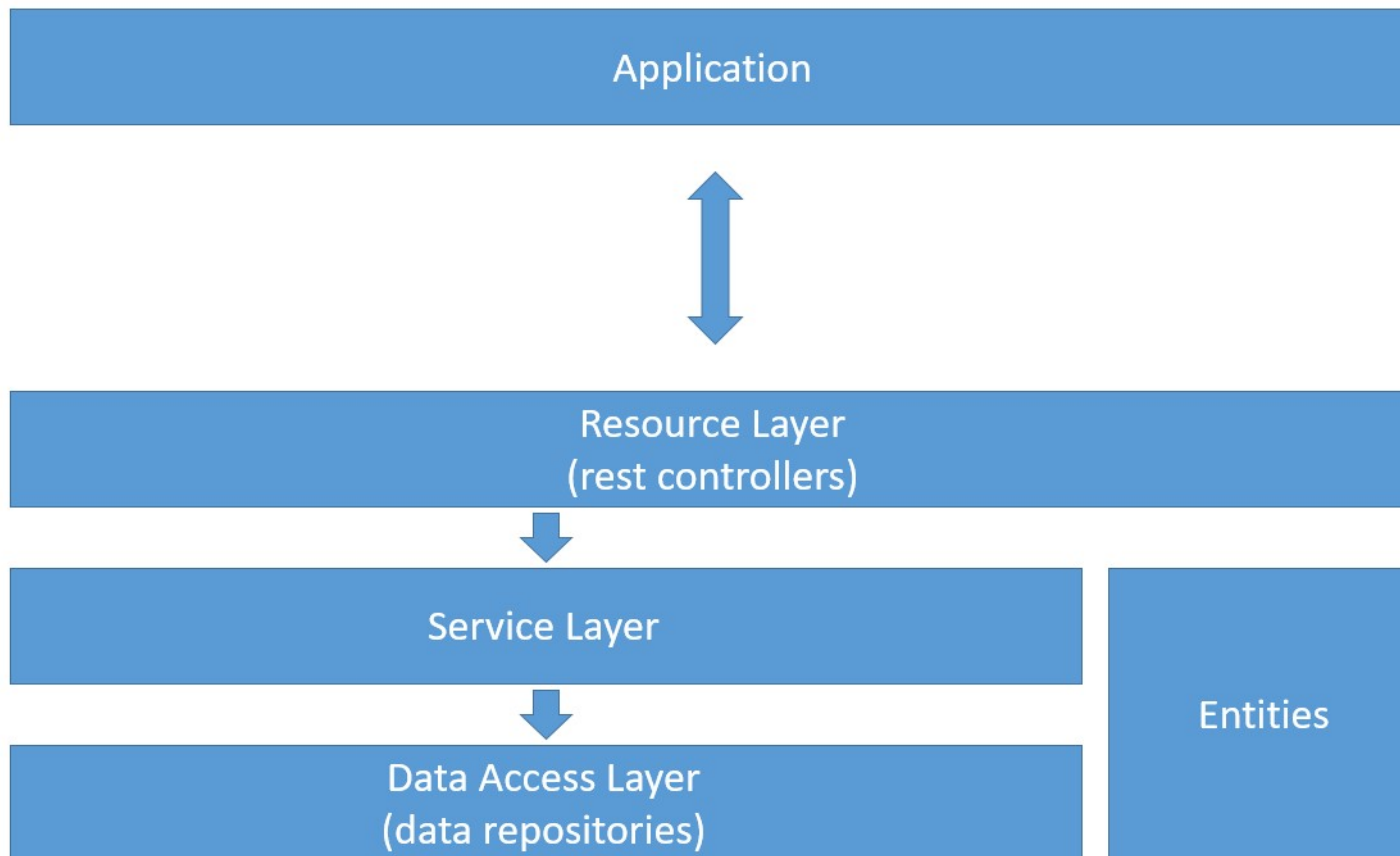


PostgreSQL









Checklist:

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Basic entity checklist:

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Checklist:

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Dependencies:

```
<dependency>  
    <groupId>org.springframework.boot</groupId>  
    <artifactId>spring-boot-starter-data-jpa</artifactId>  
</dependency>
```

```
<dependency>  
    <groupId>com.h2database</groupId>  
    <artifactId>h2</artifactId>  
    <scope>runtime</scope>  
</dependency>
```

application.properties:

spring.profiles.active=test

spring.jpa.open-in-view=true

application-test.properties:

```
# DATASOURCE
spring.datasource.driverClassName=org.h2.Driver
spring.datasource.url=jdbc:h2:mem:testdb
spring.datasource.username=sa
spring.datasource.password=

# H2 CLIENT
spring.h2.console.enabled=true
spring.h2.console.path=/h2-console

# JPA, SQL
spring.jpa.database-platform=org.hibernate.dialect.H2Dialect
spring.jpa.defer-datasource-initialization=true
spring.jpa.show-sql=true
spring.jpa.properties.hibernate.format_sql=true
```

Checklist:

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Objects:

```
User u1 = new User(null, "Maria Brown", "maria@gmail.com", "988888888", "123456");
User u2 = new User(null, "Alex Green", "alex@gmail.com", "977777777", "123456");
```

Basic new entity checklist:

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Objects:

```
Order o1 = new Order(null, Instant.parse("2019-06-20T19:53:07Z"), u1);
Order o2 = new Order(null, Instant.parse("2019-07-21T03:42:10Z"), u2);
Order o3 = new Order(null, Instant.parse("2019-07-22T15:21:22Z"), u1);
```

Objects:

```
Category cat1 = new Category(null, "Electronics");
Category cat2 = new Category(null, "Books");
Category cat3 = new Category(null, "Computers");
```

Objects:

```
Product p1 = new Product(null, "The Lord of the Rings", "Lorem ipsum dolor sit amet, consectetur.", 90.5, "");
Product p2 = new Product(null, "Smart TV", "Nulla eu imperdiet purus. Maecenas ante.", 2190.0, "");
Product p3 = new Product(null, "Macbook Pro", "Nam eleifend maximus tortor, at mollis.", 1250.0, "");
Product p4 = new Product(null, "PC Gamer", "Donec aliquet odio ac rhoncus cursus.", 1200.0, "");
Product p5 = new Product(null, "Rails for Dummies", "Cras fringilla convallis sem vel faucibus.", 100.99, "");
```

Checklist:

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Objects:

```
OrderItem oi1 = new OrderItem(o1, p1, 2, p1.getPrice());
OrderItem oi2 = new OrderItem(o1, p3, 1, p3.getPrice());
OrderItem oi3 = new OrderItem(o2, p3, 2, p3.getPrice());
OrderItem oi4 = new OrderItem(o3, p5, 2, p5.getPrice());
```

Checklist:

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Test:

```
{  
  "name": "Bob Brown",  
  "email": "bob@gmail.com",  
  "phone": "977557755",  
  "password": "123456"  
}
```

Checklist:

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Checklist:

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Test:

```
{  
  "name": "Bob Brown",  
  "email": "bob@gmail.com",  
  "phone": "977557755"  
}
```

Checklist:

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Checklist:

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Checklist:

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ATENÇÃO: OPCIONAL / PAGO (CARTÃO DE CRÉDITO)

Checklist:

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Checklist:

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Checklist:

- create database springboot_course
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- ```
<dependency>
 <groupId>org.postgresql</groupId>
 <artifactId>postgresql</artifactId>
 <scope>runtime</scope>
</dependency>
```
-



**port**

**database**

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## Google: Heroku CLI

### Terminal

```
heroku login
```

```
winpty heroku.cmd login
```

- ```
heroku git:remote -a myapp  
git remote -v
```

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```
spring.datasource.url=${DATABASE_URL}
```

```
spring.jpa.hibernate.ddl-auto=none
```

```
spring.jpa.show-sql=false
```

```
spring.jpa.properties.hibernate.format_sql=false
```

```
jwt.secret=${JWT_SECRET}
```

```
jwt.expiration=${JWT_EXPIRATION}
```

- ```
spring.profiles.active=prod
```

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```
java.runtime.version=17
```

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```
git add .
git commit -m "Deploy app to Heroku"
git push heroku main
```