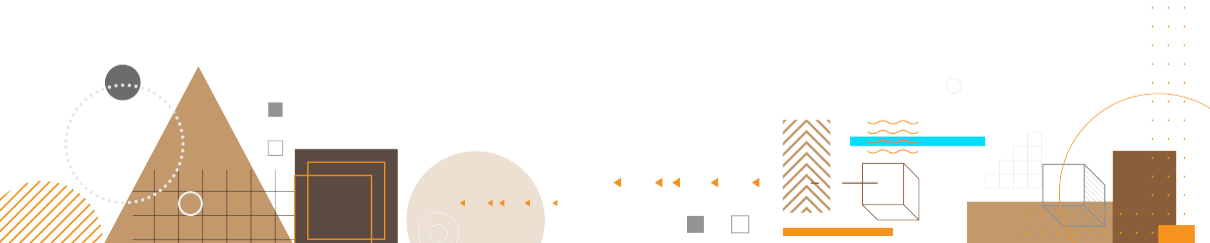


Créer une application avec Spring Boot

Spring, Rest, JPA

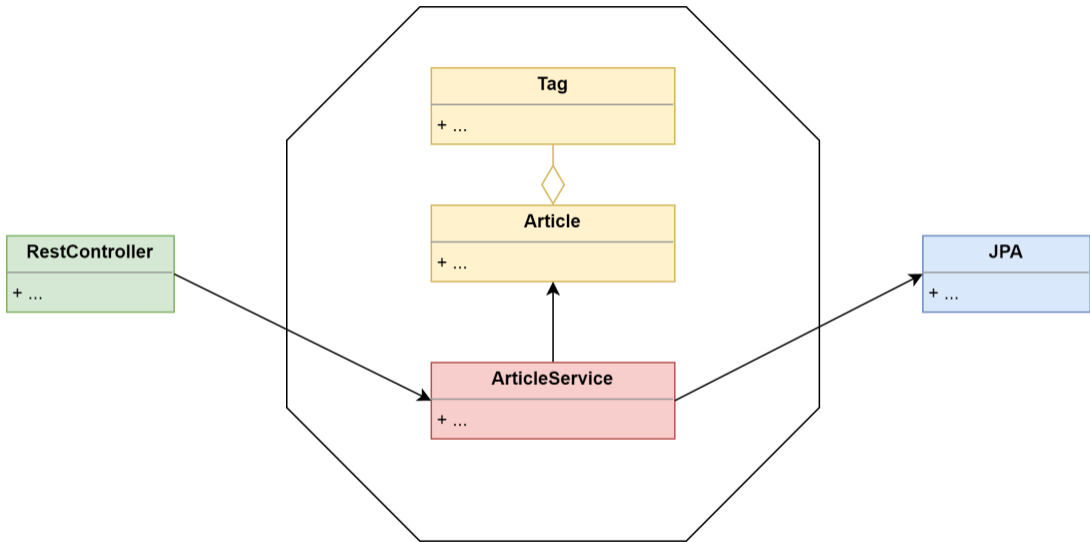
Adrien CAUBEL

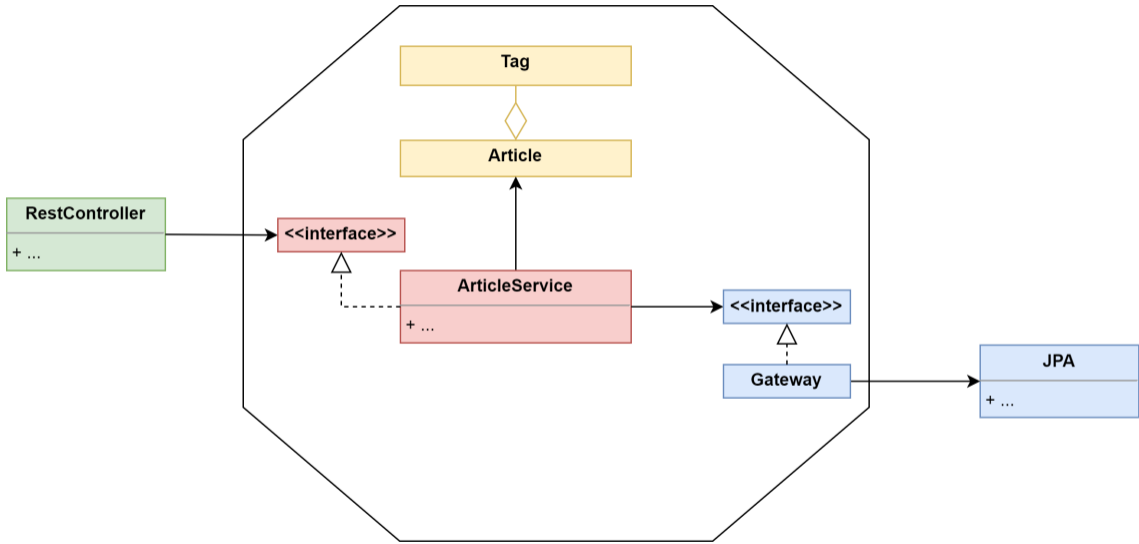
5 décembre 2022

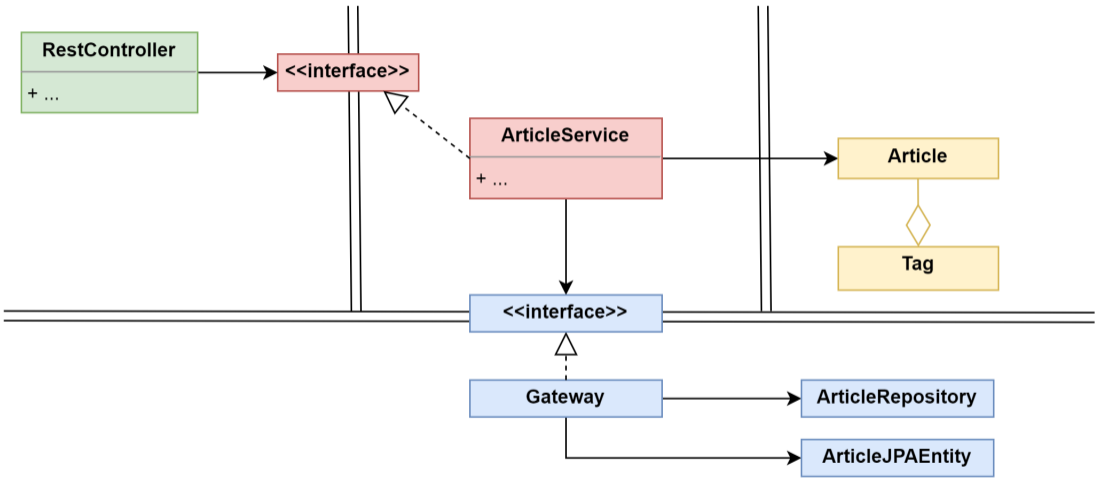


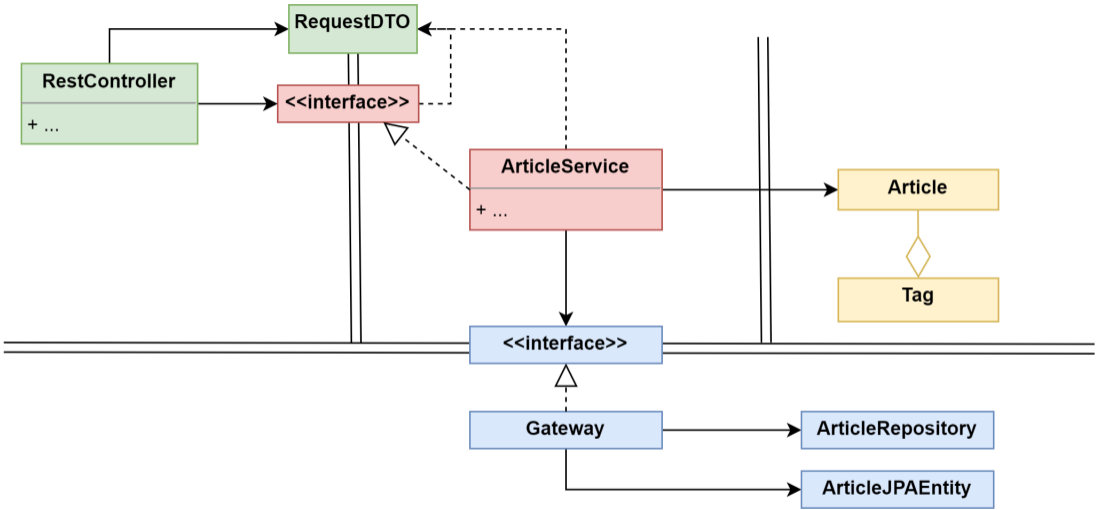
L'application à créer

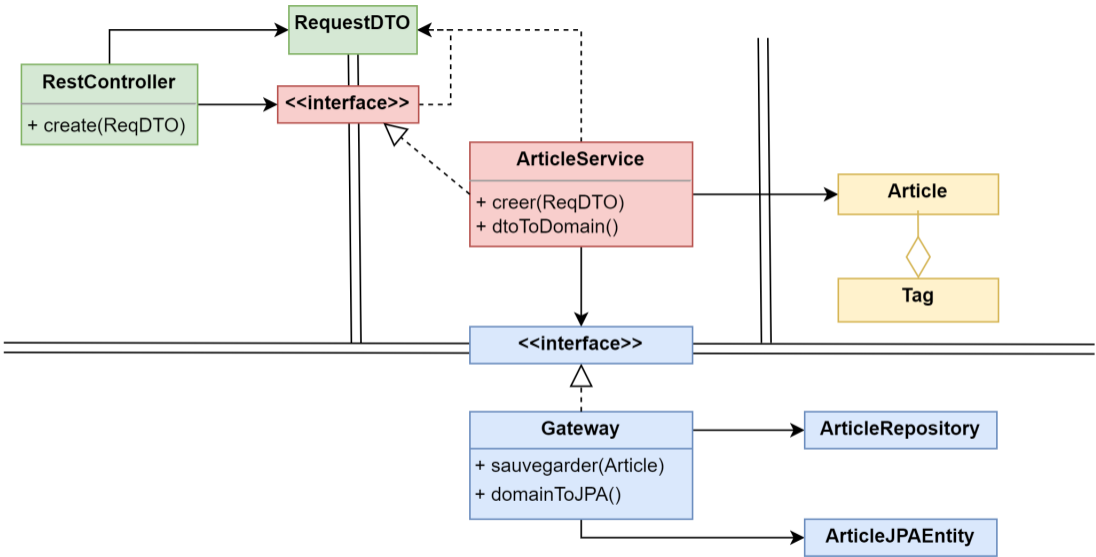
- Rédiger des articles :
 - Titre
 - Auteur
 - Date de publication
 - contenu
 - liste de *tags*
- Chaque *tag* :
 - Nom
 - Couleur




























- ▼  ArticleSpring
 - ▼  src/main/java
 - ▼  (default package)
 - >  ArticleApplication.java
 - ▼  controller
 - >  ArticleController.java
 - ▼  domain
 - >  Article.java
 - >  Tag.java
 - ▼  persistance
 - >  ArticleJPAEntity.java
 - >  ArticleJpaRepository.java
 - ▼  service
 - >  ArticleGatewayImpl.java
 - >  ArticleGatewayInterface.java
 - >  ArticleServiceImpl.java
 - >  ArticleServiceInterface.java


```
@Entity
public class ArticleJPAEntity { }

@RestController
public class ArticleController { }

@Service
public class ArticleServiceImpl { }

@Service
public class ArticleGatewayImpl { }
```

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 - > ArticleServiceImpl.java
 - > ArticleServiceInterface.java

```
@RestController
public class ArticleController {
    private ArticleServiceInterface asi;

@Service
public class ArticleServiceImpl {
    private ArticleGatewayInterface agi;

@Service
public class ArticleGatewayImpl {
    private ArticleJpaRepository repo;

public interface ArticleJpaRepository extends
    JpaRepository<ArticleJPAEntity, Integer> { }
```

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

```
<dependency>
  <groupId>org.projectlombok</groupId>
  <artifactId>lombok</artifactId>
  <optional>>true</optional>
</dependency>
<dependency>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-test</artifactId>
  <scope>test</scope>
</dependency>
```

#PostgreSQL Configuration

```
spring.datasource.url=jdbc:postgresql://localhost:5432/blog
spring.datasource.username=postgres
spring.datasource.password=postgres
spring.jpa.hibernate.ddl-auto=update
spring.jpa.show-sql=true
spring.jpa.properties.hibernate.format_sql=true
spring.jpa.properties.hibernate.dialect=
org.hibernate.dialect.PostgreSQL81Dialect
```