

## Lab 11

### Blog System

**Use :** Validation - Model layer - Controller layer - Service layer - Repository layer.

#### **Model:**

##### **1. User**

- user\_id
- username
- password
- email
- registration\_date

##### **2. Category**

- category\_id
- name

##### **3. Post**

- post\_id
- category\_id
- title
- content
- user\_id
- publish\_date

##### **4. Comment**

- comment\_id
- user\_id
- post\_id
- content
- comment\_date

#### **Endpoints :**

- CRUD for All Model
- 8 Endpoints use JPA and JPQL ( ex. get all post by user\_id , get post by title, get all comment for one post by post\_id , get all post before date by date )