**Blog spring boot project has 4 models with own attribute and validation annotations**

# Models

## • User

User model has: [id], [username], [password], [email], [posts<>], [comments<>]

```java
@NotEmpty(message = "ID should be not empty!")
@Size(min = 2, message = "ID length must be more than 2 characters")
private String id;

@NotEmpty(message = "Username should be not empty!")
@Size(min = 4, message = "Username must be more than 4 characters"
private String username;

@NotEmpty
@Pattern(regexp = "/^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{6,20}$/")
private String password;

@NotEmpty(message = "Email should be not empty!")
@Email
private String email;


private List<Post> posts;


private List<Comments> comments;
```

- **Post**

Post model has: [id], [title], [description], [content], [author], [categories<>],
 [comments<>], [createdAt], [updatedAt]

```java
@NotEmpty(message = "ID should be not empty!")
@Size(min = 2, message = "ID length must be more than 2")
private String id;

@NotEmpty(message = "Title should be not empty!")
@Size(min = 4, message = "Title length must be more than 4")
Pattern(regexp = "[a-zA-z]*")
private String title;

 @NotEmpty(message = "Description should be not empty!")
@Size(min = 10, max = 25, message = "Description length must be more than 10")
@Pattern(regexp = "[a-zA-z]*")
private String description,


 @NotEmpty(message = "Content should be not empty!")
@Size(min = 30, message = "Content length must be more than 30")
private String content;


@NotEmpty(message = "Please enter author name")
private User author;


private List<Comment> comments;

private List<Category> categories;

@JsonFormat(pattern = "yyyy-MM-dd)
private LocalDateTime createdAt;

@JsonFormat(pattern = "yyyy-MM-dd)
private LocalDateTime updatedAt;
```

# • Comment

1. Comment model has: [id], [content], [post], [author], [createdAt]

```java
@NotEmpty(message = "ID should be not empty!")
@Size(min = 2, message = "ID length must be more than 2")
private String id;

@NotEmpty(message = "Content should be not empty!")
@Size(min = 4, message = "Content length must be more than 4")
private String content;

private Post post;
private User author

@JsonFormat(pattern = "yyyy-MM-dd)
private LocalDateTime updatedAt;
```

# • Category

Category model has: [id], [name], [description], [Post<>]

```java
@NotEmpty(message = "ID should be not empty!")
@Size(min = 2, message = "ID length must be more than 2")
private String id;

@NotEmpty(message = "Category name should be not empty!")
@Size(min = 4, message = "Category name length must be more than 4")
@Pattern(regexp = "[a-zA-z]*")
private String name;

private List<Post> post;
```