**ASK AWAY**

This is the document which contains the documentation for the application.

**MAIN ENTITIES**

**1.User Entity**

-has a Model(User), a Controller(UserController), a Repository(UserRepository) and a Service(UserService)

-also has a DTO(UserDTO)

**GET: /users**

* **get all users**

1.

**curl -X 'GET' \**

**'http://localhost:8080/users?pageNumber=0&elementsPerPage=10' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/users?pageNumber=0&elementsPerPage=10**

**GET: /users/byUsername**

* **get a user by username**

1.

**curl -X 'GET' \**

**'http://localhost:8080/users/byUsername?userName=user' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/users/byUsername?userName=user**

**GET: /users/byEmail**

* **get a user by email**

1.

**curl -X 'GET' \**

**'http://localhost:8080/users/byEmail?email=email' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/users/byEmail?email=email**

**POST: /users**

* **create a user**

1.

**curl -X 'POST' \**

**'http://localhost:8080/users' \**

**-H 'accept: \*/\*' \**

**-H 'Content-Type: application/json' \**

**-d '{**

**"id": 0,**

**"role": " USER",**

**"userName": "test",**

**"password": "test",**

**"email": "test@yahoo.com",**

**"tokens": 0,**

**"badgesId": [],**

**"userTitle": "test"**

**}'**

2.

**http://localhost:8080/users**

**Request Body example:**

{

"role": "USER",

"userName": "test",

"password": "test",

"email": "test@yahoo.com",

"tokens": 0,

"badgesId": [],

"userTitle": "test"

}

**PUT: /users**

* **update a user**

1.

**curl -X 'PUT' \**

**'http://localhost:8080/users' \**

**-H 'accept: \*/\*' \**

**-H 'Content-Type: application/json' \**

**-d '{**

**"id": 4,**

**"role": "USER",**

**"userName": "test-updated",**

**"password": "$2a$11$MaqrVgTE3M1RcrTYvUMGRe0c2OknjFZUtVEkcL8zn977smbSn4n12",**

**"email": "test@yahoo.com",**

**"tokens": 50,**

**"badgesId": [],**

**"userTitle": null**

**}'**

2.

**http://localhost:8080/users**

**Request Body example:**

{

"id": 4,

"role": "USER",

"userName": "test-updated",

"password": "$2a$11$MaqrVgTE3M1RcrTYvUMGRe0c2OknjFZUtVEkcL8zn977smbSn4n12",

"email": "test@yahoo.com",

"tokens": 50,

"badgesId": [],

"userTitle": null

}

**DELETE: /users/{id}**

* **delete a user**

**1.**

**curl -X 'DELETE' \**

**'http://localhost:8080/users/4' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/users/4**

**2.Post Entity**

-has a Model(Post), a Controller(PostController), a Repository(PostRepository) and a Service(PostService)

-also has a DTO(PostDTO)

**GET: /posts**

* **get all posts**

1.

**curl -X 'GET' \**

**'http://localhost:8080/posts?pageNumber=0&elementsPerPage=10' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/posts?pageNumber=0&elementsPerPage=10**

**GET: /posts/byId**

* **get a post by id**

1.

**curl -X 'GET' \**

**'http://localhost:8080/posts/byId?id=1' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/posts/byId?id=1**

**POST: /posts**

**- create a post**

1.

**curl -X 'POST' \**

**'http://localhost:8080/posts' \**

**-H 'accept: \*/\*' \**

**-H 'Content-Type: application/json' \**

**-d '{**

**"description": "test",**

**"title": "test",**

**"authorId": 1,**

**"rewardTokens": 20,**

**"date": "2023-04-12",**

**"time": "10:00:00",**

**"rewardedByAuthor": true**

**}'**

2.

**http://localhost:8080/posts**

**Request body example:**

{

"description": "test",

"title": "test",

"authorId": 1,

"rewardTokens": 20,

"date": "2023-04-12",

"time": "10:00:00",

"rewardedByAuthor": true

}

**PUT: /posts**

* **update a post**

1.

**curl -X 'PUT' \**

**'http://localhost:8080/posts' \**

**-H 'accept: \*/\*' \**

**-H 'Content-Type: application/json' \**

**-d '{**

**"id": 1,**

**"description": "test-updated",**

**"title": "test",**

**"authorId": 1,**

**"rewardTokens": 20,**

**"date": "2023-04-12",**

**"time": "10:00:00",**

**"rewardedByAuthor": true**

**}'**

2.

**http://localhost:8080/posts**

**Request body example:**

{

"id": 1,

"description": "test-updated",

"title": "test",

"authorId": 1,

"rewardTokens": 20,

"date": "2023-04-12",

"time": "10:00:00",

"rewardedByAuthor": true

}

**DELETE: /posts/{id}**

* **delete a post**

1.

**curl -X 'DELETE' \**

**'http://localhost:8080/posts/1' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/posts/1**

**3.Comment Entity**

-has a Model(Comment), a Controller(CommentController), a Repository(CommentRepository) and a Service(CommentService)

-also has a DTO(CommentDTO)

**GET: /comments/byPost**

* **get a list of comments by post id**

1.

**curl -X 'GET' \**

**'http://localhost:8080/comments/byPost?id=1&pageNumber=0&elementsPerPage=10' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/comments/byPost?id=1&pageNumber=0&elementsPerPage=10**

**POST: /comments**

* **create a comment**

1.

**curl -X 'POST' \**

**'http://localhost:8080/comments' \**

**-H 'accept: \*/\*' \**

**-H 'Content-Type: application/json' \**

**-d '{**

**"text": "test",**

**"postId": 1,**

**"authorId": 1,**

**"date": "2023-04-12",**

**"time": "10:00:00"**

**}'**

2.

**http://localhost:8080/comments**

**Request body example:**

{

"text": "test",

"postId": 1,

"authorId": 1,

"date": "2023-04-12",

"time": "10:00:00"

}

**PUT: /comments**

* **update a comment**

1.

**curl -X 'PUT' \**

**'http://localhost:8080/comments' \**

**-H 'accept: \*/\*' \**

**-H 'Content-Type: application/json' \**

**-d '{**

**"id": 1,**

**"text": "Do this",**

**"postId": 1,**

**"authorId": 1,**

**"date": "2023-04-09",**

**"time": "10:00:03",**

**"bestAnswer": false**

**}'**

2.

**http://localhost:8080/comments**

**Request body example:**

{

"id": 1,

"text": "Do this",

"postId": 1,

"authorId": 1,

"date": "2023-04-09",

"time": "10:00:03",

"bestAnswer": false

}

**PUT: /comments/chooseAnswer**

* **modifies the ‘bestAnswer’ column to true and gives tokens to the author of the comment**

1.

**curl -X 'PUT' \**

**'http://localhost:8080/comments/chooseAnswer?id=1' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/comments/chooseAnswer?id=1**

**4.Badge Entity**

-has a Model(Badge), a Controller(BadgeController), a Repository(BadgeRepository) and a Service(BadgeService)

- The entities are created when the schedule task starts

**GET: /badges/{id}**

* **get a badge by id**

1.

**curl -X 'GET' \**

**'http://localhost:8080/badges/1' \**

**-H 'accept: \*/\*'**

2.

**http://localhost:8080/badges/1**