

Project Phase 1- Backend

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Backend Endpoints

The backend part of our project focuses on the user login, user attributes, user sign-out, comments by the user, places, and related sources. A user can get images, places, and comments by their IDs and they can post comments, users, etc. There are also endpoints for login that return a successful or failed state.

Endpoints:

User Requests

1-Post User

Description: Posts the user and returns their id, username, email, password, phoneNumber, favorites and favPlace

Address: <http://localhost:8080/api/users/register>

Method: POST

Returns: JSON Array:

```
1  {
2    "id": "6575ecb8306dc93eb044ed06",
3    "username": "test",
4    "email": "test@mail.com",
5    "password": "password",
6    "phoneNumber": "+901234567889",
7    "favorites": null,
8    "favPlace": null
9  }
```

2-Get All Users:

Description: Gets all the users.

Address: <http://localhost:8080/api/users/all>

Method: GET

Returns: JSON Array:

```
1  []
2  {
3      "id": "65758543b669e520e72c3ce7",
4      "username": "batur",
5      "email": "baturkarakaya@sabanciuniv.edu",
6      "password": "batur!123",
7      "phoneNumber": "+905063634407",
8      "favorites": null,
9      "favPlace": null
10 } ,
11 {
12     "id": "6575ecb8306dc93eb044ed06",
13     "username": "test",
14     "email": "test@mail.com",
15     "password": "password",
16     "phoneNumber": "+901234567889",
17     "favorites": null,
18     "favPlace": null
19 }
20 ]
```

3-Get User by Email:

Description: Gets the user by the given email.

Address: "http://localhost:8080/api/users/email/baturkarakaya@sabanciuniv.edu",

Method: GET

Returns: JSON Array:

```
1  [
2      {
3          "id": "65758543b669e520e72c3ce7",
4          "username": "batur",
5          "email": "baturkarakaya@sabanciuniv.edu",
6          "password": "batur!123",
7          "phoneNumber": "+905063634407",
8          "favorites": null,
9          "favPlace": null
10     }
11 ]
```

4-Get User by Username:

Description: Gets the user by the given username.

Address: <http://localhost:8080/api/users/username/test>

Method: GET

Returns: JSON Array:

```
1  {
2    "id": "6575ecb8306dc93eb044ed06",
3    "username": "test",
4    "email": "test@mail.com",
5    "password": "password",
6    "phoneNumber": "+901234567889",
7    "favorites": null,
8    "favPlace": null
9  }
```

5-Delete User:

Description: Deletes the user.

Address: <http://localhost:8080/api/users/delete/test>

Method: DELETE

Returns: JSON Array:

```
1  {
2    "id": "6575ecb8306dc93eb044ed06",
3    "username": "test",
4    "email": "test@mail.com",
5    "password": "password",
6    "phoneNumber": "+901234567889",
7    "favorites": null,
8    "favPlace": null
9  }
```

Comment Requests

1-Post Comment:

Description:

Address: <http://localhost:8080/api/comment/write-comment/?user=batur&content=Good Food>

Method: POST

Returns:

```
1 6575ed9f306dc93eb044ed08
```

2-Delete Comment by ID:

Description: Deletes the comment by given id and returns its id, content and user

Address: <http://localhost:8080/api/comment/delete-comment-with-id/6575972af8de0355ba25592>

2

Method: DELETE

Returns: JSON Array:

```
1  {
2    "id": "6575ed9f306dc93eb044ed08",
3    "content": "Nice view",
4    "user": "batur"
5  }
```

3-Get Comment by ID:

Description: gets the comment by the id and returns the id, content and user

Address: <http://localhost:8080/api/comment/get-comment/6575972af8de0355ba255922>

Method: GET

Returns: JSON Array:

```
1  {
2    "id": "6575ed9f306dc93eb044ed08",
3    "content": "Nice view",
4    "user": "batur"
5  }
```

3-Get All Comments:

Description: Gets all comments and returns their id, content and user

Address: <http://localhost:8080/api/comment/get-all-comment>

Method: GET

Returns: JSON Array:

```
1  [
2    {
3      "id": "6575ed6d306dc93eb044ed07",
4      "content": "Good Food",
5      "user": "batur"
6    },
7    {
8      "id": "6575ed9f306dc93eb044ed08",
9      "content": "Nice view",
10     "user": "batur"
11   }
12 ]
```

Authentication Requests

1-Login Request:

Description: Takes login request and returns the username and successful or failed depending on whether login is successful or not

Address: <http://localhost:8080/api/users/login?username=batur&password=batur!123>

Method: POST

Returns:

Successful:

```
1  Login successful for user: batur
```

unsuccessful:

```
1  Invalid username or password
```

Place Requests

1-Post Place:

Description: Publishes the place and returns its id, placeName, placeType, rating, imagePath, description, facilities, price, address, rateCount, comments

Address: <http://localhost:8080/api/place/add-place>

Method: POST

Returns: JSON Array:

```
1  {
2    "id": "6575ee9b306dc93eb044ed09",
3    "placeName": "Galata Tower",
4    "placeType": "Historical",
5    "rating": 5.0,
6    "imagePath": "/images/galata-tower.jpg",
7    "description": "A historical tower located in Galata.",
8    "facilities": "",
9    "price": 100.0,
10   "address": "Galata",
11   "rateCount": 300,
12   "comments": []
13 }
```

2-Get All Places:

Description: Gets all the places and returns their id, placeName, placeType, rating, imagePath, description, facilities, price, address, rateCount, comments

Address: <http://localhost:8080/api/place/allplaces>

Method: GET

Returns: JSON Array:

```
1  [
2      {
3          "id": "65758a203818a87247cf5df7",
4          "placeName": "Çamlıca Tower",
5          "placeType": "Restaurant",
6          "rating": 3.0,
7          "imagePath": "/images/camlıca-tower.jpg",
8          "description": "Radio tower located in Çamlıca.",
9          "facilities": "Food",
10         "price": 150.0,
11         "address": "Çamlıca",
12         "rateCount": 100,
13         "comments": []
14     },
15     {
16         "id": "6575ee9b306dc93eb044ed09",
17         "placeName": "Galata Tower",
18         "placeType": "Historical",
19         "rating": 5.0,
20         "imagePath": "/images/galata-tower.jpg",
21         "description": "A historical tower located in Galata.",
22         "facilities": "",
23         "price": 100.0,
24         "address": "Galata",
25         "rateCount": 300,
26         "comments": []
27     }
28 ]
```

3-Get Place by Name:

Description: Gets the place by the given name and returns the id, placeName, placeType, rating, imagePath, description, facilities, price, address, rateCount, comments of the deleted place

Address: <http://localhost:8080/api/place/place-with-placename/Galata Tower>

Method: GET

Returns: JSON Array:

```

1  {
2      "id": "6575ee9b306dc93eb044ed09",
3      "placeName": "Galata Tower",
4      "placeType": "Historical",
5      "rating": 5.0,
6      "imagePath": "/images/galata-tower.jpg",
7      "description": "A historical tower located in Galata.",
8      "facilities": "",
9      "price": 100.0,
10     "address": "Galata",
11     "rateCount": 300,
12     "comments": []
13 }

```

4-Get Place by Address:

Description: Gets the place for giving address and returns the id, placeName, placeType, rating, imagePath, description, facilities, price, address, rateCount, comments of the deleted place

Address: <http://localhost:8080/api/place/get-place-with-adress/Galata>

Method: GET

Returns: JSON Array:

```

1  [
2      {
3          "id": "6575ee9b306dc93eb044ed09",
4          "placeName": "Galata Tower",
5          "placeType": "Historical",
6          "rating": 5.0,
7          "imagePath": "/images/galata-tower.jpg",
8          "description": "A historical tower located in Galata.",
9          "facilities": "",
10         "price": 100.0,
11         "address": "Galata",
12         "rateCount": 300,
13         "comments": []
14     }
15 ]

```


5-Get Comments for Place:

Description: returns the comment for a place

Address: <http://localhost:8080/api/place/get-comment-of-place/Galata Tower>

Method: GET

Returns: Comments for the place

6-Delete Place by Name:

Description: Deletes a place by its name and returns the id, placeName, placeType, rating, imagePath, description, facilities, price, address, rateCount, comments of the deleted place

Address: <http://localhost:8080/api/place/delete-with-placename/Galata Tower>

Method: DELETE

Returns: JSON Array:

```
1  {
2    "id": "6575ee9b306dc93eb044ed09",
3    "placeName": "Galata Tower",
4    "placeType": "Historical",
5    "rating": 5.0,
6    "imagePath": "/images/galata-tower.jpg",
7    "description": "A historical tower located in Galata.",
8    "facilities": "",
9    "price": 100.0,
10   "address": "Galata",
11   "rateCount": 300,
12   "comments": []
13 }
```

Image Requests

1-Post image:

Description:

Address: <http://localhost:8080/image>

Method: POST

Returns: Success or fail message along with the image filename

```
1  successayasofya.jpg
```

2-Download Image:

Description:

Address: <http://localhost:8080/image/ayasofya.jpg>

Method: GET

Returns: Image

