# API Documentation

Below is a short description of the different API endpoints in the server. There is also examples of how a valid JSON object should look like when sending and what kind of objects are returned.

## Users

GET Request to get users without details

```
GET /users/
```

- JSON Response body:

```json
{
    "users": [
        {
            "id": 1,
            "facebookId": null,
            "username": "sam123",
            "email": "sam.gamgee@lotr.com",
            "active": 1
        },
        {
            "id": 9,
            "facebookId": 123456789123456,
            "username": "Frodo.baggins",
            "email": "frodo.baggins@lotr.org",
            "active": 1
        }
    ]
}
```

GET Request to get user by id

```
GET /users/1
```

- JSON Response body:

```json
{
    "user": {
        "id": 1,
        "facebookId": null,
        "username": "sam123",
        "email": "sam.gamgee@lotr.com",
        "active": 1
    }
}
```

## GET Request to get users details with user id

```
GET /users/1/details
```

- JSON Response body:

```json
{
    "details": {
        "userId": 1,
        "detailsId": 8,
        "firstName": "Sam",
        "lastName": "Gamgee",
        "suburb": "Kazadum",
        "zipcode": 66611
    }
}
```

## GET Request to get user with details by user id

```
GET /users/1/all
```

- JSON Response body:

```json
{
    "user": {
        "id": 1,
        "facebookId": 123456789123456,
        "username": "sam123",
        "email": "sam.gamgee@lotr.com",
        "active": 1,
        "details": {
            "userId": 1,
            "detailsId": 9,
            "firstName": "Sam",
            "lastName": "Gamgee",
            "suburb": "Kazadum",
            "zipcode": 66611
        }
    }
}
```

POST Request to create user

```
POST /users/
```

- Mandatory data: username, email, password
- JSON Request body:

```
{
    "username": "Gimli",
    "email": "gimli.gloin@lotr.com",
    "password": "test123"
}
```

- JSON Response body on success:

```
{
    "success": "Successfully registered! Verify your email to activate your account and
log in."
}
```

PUT Request to update user by id

```
PUT /users/1
```

- Requires auth
- Sensitive data cannot be updated through this: email, password, activationToken, active and all ID:s
- Optional data: username, firstname, lastname, hood, zip
- JSON Request body:

```
{
    "username": "GimliDwarf",
    "firstname": "Gimli",
    "lastname": "Gloin",
    "hood": "Moria",
    "zip": 12345
}
```

- JSON Response body:

```
{
    "user": {
        "id": 1,
        "facebookId": null,
        "username": "GimliDwarf",
        "email": "gimli.gloin@lotr.com",
        "active": 0
    },
    "success": "Successfully updated!"
}
```

DELETE Request to delete user by id

```
DELETE /users/1
```

- Requires auth
- JSON Response body:

```
{
    "success": "Successfully deleted your account!"
}
```

GET Reqeust to verify users email, user gets token in email message

```
GET /users/1/verify?activationToken=<activationToken>
```

- On success sets users field active = 1, activationToken = "". Then redirects to login page (URL hardcoded in USersController acitivateUser() -method)
- JSON Response body on error:

```
{
    "error": "Activation tokens did not match!"
}
```

## Reviews

GET request to fetch all reviews without the ratings (ratings are only displayed when opening a specific review)

```
GET /reviews/
```

- JSON Response body:

```
{
    "reviews": [
        {
            "reviewId": 2,
            "hoodId": 666,
            "userId": 7,
            "title": "Test Review From Mordor",
            "text": "One Ring to rule them all, One Ring to find them, One Ring to
bring them all and in the darkness bind them.",
            "verified": 0
        }
    ]
}
```

GET request to fetch a review with id of 2

```
GET /reviews/2
```

- JSON Response body:

```json
{
    {
    "review": {
        "reviewId": 2,
        "hoodId": 666,
        "userId": 7,
        "title": "Test Review From Mordor",
        "text": "One Ring to rule them all, One Ring to find them, One Ring to bring
them all and in the darkness bind them.",
        "verified": 0,
        "ratings": [
            {
                "ratingId": 9,
                "reviewId": 2,
                "value": 5,
                "category": {
                    "categoryId": 1,
                    "name": "safety"
                }
            },
            {
                "ratingId": 10,
                "reviewId": 2,
                "value": 1,
                "category": {
                    "categoryId": 6,
                    "name": "services"
                }
            },
            {
                "ratingId": 11,
                "reviewId": 2,
                "value": 1,
                "category": {
                    "categoryId": 7,
                    "name": "activities"
                }
            },
            {
                "ratingId": 12,
                "reviewId": 2,
                "value": 2,
                "category": {
                    "categoryId": 4,
                    "name": "school"
                }
            },
            {
                "ratingId": 13,
                "reviewId": 2,
                "value": 1,
                "category": {
```

```json
                "categoryId": 8,
                "name": "family friendly"
            }
        },
        {
            "ratingId": 14,
            "reviewId": 2,
            "value": 1,
            "category": {
                "categoryId": 5,
                "name": "transportation"
            }
        },
        {
            "ratingId": 15,
            "reviewId": 2,
            "value": 4,
            "category": {
                "categoryId": 2,
                "name": "cleanliness"
            }
        },
        {
            "ratingId": 16,
            "reviewId": 2,
            "value": 3,
            "category": {
                "categoryId": 3,
                "name": "nature"
            }
        }
    }
    ]
  }
}
```

GET request to fetch reviews from specific hood

```
GET /reviews/hood/1
```

- JSON Response body:

```json
{
    "reviews": [
        {
            "reviewId": 2,
            "hoodId": 1,
            "userId": 7,
            "title": "Review From Mordor",
            "text": "One Ring to rule them all, One Ring to find them, One Ring to bring them all and in the darkness bind them!",
            "verified": 0,
            "ratings": [
                {
                    "ratingId": 9,
                    "reviewId": 2,
                    "value": 5,
```

```json
        "category": {
            "categoryId": 1,
            "name": "safety"
        }
    },
    {
        "ratingId": 10,
        "reviewId": 2,
        "value": 1,
        "category": {
            "categoryId": 6,
            "name": "services"
        }
    },
    {
        "ratingId": 11,
        "reviewId": 2,
        "value": 1,
        "category": {
            "categoryId": 7,
            "name": "activities"
        }
    },
    {
        "ratingId": 12,
        "reviewId": 2,
        "value": 2,
        "category": {
            "categoryId": 4,
            "name": "school"
        }
    },
    {
        "ratingId": 13,
        "reviewId": 2,
        "value": 1,
        "category": {
            "categoryId": 8,
            "name": "family friendly"
        }
    },
    {
        "ratingId": 14,
        "reviewId": 2,
        "value": 1,
        "category": {
            "categoryId": 5,
            "name": "transportation"
        }
    },
    {
        "ratingId": 15,
        "reviewId": 2,
        "value": 4,
        "category": {
            "categoryId": 2,
            "name": "cleanliness"
        }
    },
```

```
                {
                    "ratingId": 16,
                    "reviewId": 2,
                    "value": 3,
                    "category": {
                        "categoryId": 3,
                        "name": "nature"
                    }
                }
            ]
        }
    ]
}
```

POST request to create a review entry to database

POST /reviews/

- Mandatory request data: hoodId, userId, title, text, ratings (from all categories)
- JSON Request body:

```
{
        "hoodId": 666,
        "userId": 7,
        "title": "Test Review From Mordor",
        "text": "One Ring to rule them all, One Ring to find them, One Ring to bring
them all and in the darkness bind them.",
        "ratings": [
            {
                    "value": 5,
                    "category": {
                            "categoryId": 1,
                            "name": "safety"
                    }
            },
            {
                    "value": 4,
                    "category": {
                            "categoryId": 2,
                            "name": "cleanliness"
                    }
            },
            {
                    "value": 3,
                    "category": {
                            "categoryId": 3,
                            "name": "nature"
                    }
            },
            {
                    "value": 2,
                    "category": {
                            "categoryId": 4,
                            "name": "school"
                    }
```

```json
                },
                {
                        "value": 1,
                        "category": {
                                "categoryId": 5,
                                "name": "transportation"
                        }
                },
                {
                        "value": 1,
                        "category": {
                                "categoryId": 6,
                                "name": "services"
                        }
                },
                {
                        "value": 1,
                        "category": {
                                "categoryId": 7,
                                "name": "activities"
                        }
                },
                {
                        "value": 1,
                        "category": {
                                "categoryId": 8,
                                "name": "family friendly"
                        }
                }
        ]
}
```

- JSON response body:

```json
{
    "review": {
        "reviewId": 2,
        "hoodId": 666,
        "userId": 7,
        "title": "Test Review From Mordor",
        "text": "One Ring to rule them all, One Ring to find them, One Ring to bring
them all and in the darkness bind them.",
        "verified": 0,
        "ratings": [
            {
                "ratingId": 9,
                "value": 5,
                "category": {
                    "categoryId": 1,
                    "name": "safety"
                }
            },
            {
                "ratingId": 10,
                "value": 1,
                "category": {
                    "categoryId": 6,
                    "name": "services"
                }
```

```json
        },
        {
            "ratingId": 11,
            "value": 1,
            "category": {
                "categoryId": 7,
                "name": "activities"
            }
        },
        {
            "ratingId": 12,
            "value": 2,
            "category": {
                "categoryId": 4,
                "name": "school"
            }
        },
        {
            "ratingId": 13,
            "value": 1,
            "category": {
                "categoryId": 8,
                "name": "family friendly"
            }
        },
        {
            "ratingId": 14,
            "value": 1,
            "category": {
                "categoryId": 5,
                "name": "transportation"
            }
        },
        {
            "ratingId": 15,
            "value": 4,
            "category": {
                "categoryId": 2,
                "name": "cleanliness"
            }
        },
        {
            "ratingId": 16,
            "value": 3,
            "category": {
                "categoryId": 3,
                "name": "nature"
            }
        }
    ]
  }
}
```

PUT Request to update review with id of 2

PUT /reviews/2

- Mandatory Request data: ratings
- Optional Request data: title, text
- JSON Request body:

```
{
        "title": "Review From Mordor",
        "text": "One Ring to rule them all, One Ring to find them, One Ring to bring
them all and in the darkness bind them!",
        "ratings": [
                {
                "ratingId": 9,
                "reviewId": 2,
                "value": 5,
                "category": {
                        "categoryId": 1,
                        "name": "safety"
                }
            },
            {
                "ratingId": 10,
                "reviewId": 2,
                "value": 1,
                "category": {
                        "categoryId": 6,
                        "name": "services"
                }
            },
            {
                "ratingId": 11,
                "reviewId": 2,
                "value": 1,
                "category": {
                        "categoryId": 7,
                        "name": "activities"
                }
            },
            {
                "ratingId": 12,
                "reviewId": 2,
                "value": 2,
                "category": {
                        "categoryId": 4,
                        "name": "school"
                }
            },
            {
                "ratingId": 13,
                "reviewId": 2,
                "value": 1,
                "category": {
                        "categoryId": 8,
                        "name": "family friendly"
                }
```

```
        },
        {
            "ratingId": 14,
            "reviewId": 2,
            "value": 1,
            "category": {
                "categoryId": 5,
                "name": "transportation"
            }
        },
        {
            "ratingId": 15,
            "reviewId": 2,
            "value": 4,
            "category": {
                "categoryId": 2,
                "name": "cleanliness"
            }
        },
        {
            "ratingId": 16,
            "reviewId": 2,
            "value": 3,
            "category": {
                "categoryId": 3,
                "name": "nature"
            }
        }
    ]
}
```

- JSON Response body:

```
{
    "review": {
        "reviewId": 2,
        "hoodId": 666,
        "userId": 7,
        "title": "Review From Mordor",
        "text": "One Ring to rule them all, One Ring to find them, One Ring to bring
them all and in the darkness bind them!",
        "verified": 0,
        "ratings": [
            {
                "ratingId": 9,
                "reviewId": 2,
                "value": 5,
                "category": {
                    "categoryId": 1,
                    "name": "safety"
                }
            },
            {
                "ratingId": 10,
                "reviewId": 2,
                "value": 1,
                "category": {
                    "categoryId": 6,
                    "name": "services"
```

```
            }
        },
        {
            "ratingId": 11,
            "reviewId": 2,
            "value": 1,
            "category": {
                "categoryId": 7,
                "name": "activities"
            }
        },
        {
            "ratingId": 12,
            "reviewId": 2,
            "value": 2,
            "category": {
                "categoryId": 4,
                "name": "school"
            }
        },
        {
            "ratingId": 13,
            "reviewId": 2,
            "value": 1,
            "category": {
                "categoryId": 8,
                "name": "family friendly"
            }
        },
        {
            "ratingId": 14,
            "reviewId": 2,
            "value": 1,
            "category": {
                "categoryId": 5,
                "name": "transportation"
            }
        },
        {
            "ratingId": 15,
            "reviewId": 2,
            "value": 4,
            "category": {
                "categoryId": 2,
                "name": "cleanliness"
            }
        },
        {
            "ratingId": 16,
            "reviewId": 2,
            "value": 3,
            "category": {
                "categoryId": 3,
                "name": "nature"
            }
        }
    ]
},
"success": "Successfully updated!"
```

```
}
```

DELETE Request to delete review with id 1

```
DELETE /reviews/1
```

- JSON Response body:
- On Success

```
{
    "success": "Successfully deleted your rating!"
}
```

- When user not found

```
{
    "error": "Not Found"
}
```

## Authentication

POST request to login using local strategy

```
POST /auth/login
```

- Mandatory data: email, password
- JSON Request body:

```
{
"email": "frodo.baggins@lotr.com",
"password": "test123!"
}
```

- JSON Response body:

```
{
    "user": {
        "id": 1,
        "username": "frodo123",
        "email": "frodo.baggins@lort.com",
        "active": 1
    },
    "accessToken":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NywiaWF0IjoxNTg3MDYzNzA5LCJleHAiOjE1ODcwN
jQ2MDl9.mPKcXqaV893oyOTQZnb9nd7LflScKmoC_GVGI_wakps",
    "refreshToken":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjo3LCJpYXQiOjE1ODcwNjM3MDksImV4cCI6MTU4N
zE1MDEwOX0.YDDceIjXl_-iJ51Q_c17T7cLNuZjjI-DtpgTZE8zs6A"
}
```

GET reqeust that redirects to facebook logging in page

```
GET /auth/facebook
```

GET request will be called as callback when user provides facebook credentials in logging page

```
GET /auth/facebook/callback
```

- Registers user with a facebook id
- If user already exists with the facebook id, user will just be authenticated
- Redirects a successful login to client login page and passes tokens and user data through query params:
  'localhost:4200/login?jwt=&refreshToken=&id=&username=&email=&active='
- If user with provided email exists, but does not have a facebook id (account linked with facebook), it returns JSON Response (user can not be linked with facebook account through Account settings yet):

```
{
    message: "There is already an account using this email address. Sign in to that account and link it with Facebook manually from Account Settings."
}
```

POST request to generate a new access- and refresh-token

```
POST /auth/refresh-token
```

- JSON Response body:

```
{
    "accessToken":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6NywiaWF0IjoxNTg3MDYzNzA5LCJleHAiOjE1ODcwN
jQ2MDl9.mPKcXqaV893oyOTQZnb9nd7LflScKmoC_GVGI_wakps",
    "refreshToken":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjo3LCJpYXQiOjE1ODcwNjM3MDksImV4cCI6MTU4N
zE1MDEwOX0.YDDceIjXl_-iJ51Q_c17T7cLNuZjjI-DtpgTZE8zs6A"
}
```