QuizSite

API Documentation

General API Rules

- All Requests must be JSON (except GET requests) - if not, status 406 is returned
- All responses from server will be JSON
- Default Response if no criterea was met: 400 Bad Request

GET

/users

- Endpoint used to get all users from database
- Expected Request-body: None

Possible responses

- Status: 200 OK
  Body: Array of user objects

/user/:id

- Used to get a specific user-object by their ID
- Expected request-body: None

Possible responses

- Status: 200 OK
  Body: User object with specified ID
  If a user with the specified ID exists in database

- Status: 404 Not Found
  Body: JSON-formatted string
  If no user in the databse was found with specified ID

/quiz/all

- Endpoint used to get all played quizes from database
- Expected request-body: None

Possible Responses

- Status: 200 OK
  Body: Array of quiz objects

POST

/register

- Used to register a user on the server and create a user object from the credentials
- Expected request-body:
  { username: string, password: string, email: string }

- User-object structure:
  { id: number, username: string, password: string, email: string, profilePic: string, score: object }
  Score object structure:
  { easy: object { correct: number, answered: number }
  medium: object { correct: number, answered: number }
  hard: object { correct: number, answered: number } }

Possible responses

- Status: 201 Created
  Body: Created user object
  If the request was successfull and a user object was created

- Status: 409 Conflict
  Body: JSON-formatted string
  If the specified username already exists in database

- Status: 400 Bad Request
  Body: JSON-formatted string
  If the request-body was not like expected - eg missing attributes.

/login

- Used to login to server with specified credentials
- Expected request-body:
  { username: string, password: string }

Possible responses

- Status: 200 OK
  Body: User object of the logged in user
  If request was good and the user was successfully logged in

- Status: 404 Not Found
  Body: JSON-formatted string
  If no user with specified username as found in database

- Status: 401 Unauthorized
  Body: JSON-formatted string
  If specified username was correct, but username does not match with database

- Status: 400 Bad Request
  Body: JSON-formatted string
  If request-body was not like expected - eg missing attributes

/quiz/create

- Used to create a quiz - send request to TriviaAPI to get questions
- Expected request-body:
  { difficulty: string, category: number }
- Quiz-object structure:
  { questions: array (from triviaAPI), category: string, difficulty: string, playedBy: array, id: number }

Possible responses

- Status: 200 OK
  Body: Quiz-object of the created quiz
  If everything went OK and the quiz was successfully created

- Status: 400 Bad Request
  Body: JSON-formatted string
  If a non-ok response was gotten from TriviaAPI

PATCH

/settings/changePassword

- Used to change password for a user
- Expected request-body:
  { username: string, password: string, newPassword : string }

Possible responses

- Status: 200 OK
  Body: User-object with modified password
  If request was successfull and the password was updated

- Status: 404 Not Found
  Body: JSON-formatted string
  If no user with specified username was found in database

- Status: 401 Unauthorized
  Body: JSON-formatted string
  If a user with specified username was found, but password does not match with database

- Status: 400 Bad Request
  Body: JSON-formatted string
  If request-body was not like expected or password and newPassword are the same

/user/:id/score

- Used to update a users score - eg after playing a quiz
- Expected request-body:
  { difficulty: string, correct: number, answered: number }

Possible responses

- Status: 200 OK
  Body: JSON-formatted string
  If request was successfull and users score was updated

- Status: 404 Not Found
  Body: JSON-formatted string
  If no user with specified :id was found in database

- Status: 400 Bad Request
  Body: JSON-formatted string
  If request-body was not like expected - eg missing attributes

/user/:id/profilePic

- Used to update the profilePic of a user
- Expected request-body:
  { profilePic: string }

Possible responses

- Status: 200 OK
  Body: JSON-formatted string
  If request was successfull and the profilePic was updated

- Status: 404 Not Found
  Body: JSON-formatted string
  If no user with specified :id was found in database

- Status: 400 Bad Request
  Body: JSON-formatted string

If request-body was not like expected - eg missing attributes

DELETE

/settings/deleteAccount

- Used to delete a user object from the database

- Expected request-body:
  { username: string, password: string, repeatedPassword: string }

Possible responses

- Status: 200 OK
  Body: JSON-formatted string
  If request was successfull and the user was deleted

- Status: 404 Not Found
  Body: JSON-formatted string
  If no user with specified :id was found in database

- Status: 401 Unauthorized
  Body: JSON-formatted string
  If a user with specified username was found, but password does not match with database

- Status: 400 Bad Request
  Body: JSON-formatted string
  If request-body was not like expected
  - eg missing attributes