**Dog Breed Quiz API: Documentation**

Introduction

This is the documentation for the Dog Breed Quiz API.  
Dog Breed Quiz API is an API that helps you set up a register of users that includes their username, password and quiz points. It also provides images and answer alternatives for the quiz.

Resource Formats

The default resource format is JSON (application/json), except for images which are in jpg.

Prefix

All End Points need to be prefixed with: api/

End Points

End Point: register.php

This endpoint allows you to register a new user. It accepts a POST-request with a body with the following structure:

{

username: string,

password: string,

}

Example:

{

username: “John”,

password: “1234”,

}

If the username and/or the password sent with the request is an empty string, the server will send a response with status 400 (Bad Request) and the message: "Bad Request (empty values)".

If the username is already in the register, the server will send a response with status 409 (Conflict) and the message "Conflict (the username is already taken)".

Otherwise, it will send a response with status 200 (OK). The response will be an object containing the registered user:

{

username: string,

password: string,

points: integer,

}

Example:

{

username: “John”,

password: “1234”,

points: 10,

}

End Point: login.php

This endpoint allows you to see if a user with a certain username and password is present in the register. It accepts a POST-request with a body with the following structure:

{

username: string,

password: string,

}

Example:

{

username: “John”,

password: “1234”,

}

If the used request-method is not POST the server will send a response with the status 405 (Method Not Allowed) and the message: "You need to use the POST method".

If the username and/or the password sent with the request is an empty string, the server will send a response with status 400 (Bad Request) and the message: "Bad Request (empty values)".

If the user with the given username and password is not present in the register, the server will send a response with status 404 (Not Found).

If the database can not be found, the server will send a response with the status 404 (Not Found) and the message: "The file “users.json” can not be found".

Otherwise, it will send a response with status 200 (OK). The response will be an object containing the found user:

{

username: string,

password: string,

points: integer,

}

Example:

{

username: “John”,

password: “1234”,

points: 10,

}

End Point: quiz.php

This endpoint gives you resources for creating a dog breed quiz. It accepts a GET-request:

prefix/quiz.php

If the used request-method is not GET, the server will send a response with the status 405 (Method Not Allowed) and the message: "You need to use the GET method".

If no images were found, the server will send a response with the status 404 (Not Found) and the message: "No images available".

The resource will contain an object with the following structure:

{

image: images/dog\_breed\_name.jpg,

alternatives:[

{

correct: true/false,

name: string,

},

{

correct: true/false,

name: string,

},

{

correct: true/false,

name: string,

},

(

correct: true/false,

name: string,

}

]

}

The value of the key “image” is the pathway to get the image. “dog\_breed\_name” will be the name of the breed on the image. Only one of the keys “correct” will be true (the same dog breed as in the image), the other three will be false. The key “name” is the name of the dog breed.

End Point: points.php

This endpoint allows you to do a POST-request or a GET-request.

If the request-method is anything other than POST or GET, the server will send a response with the status 405 (Method Not Allowed) and the message: "Only POST and GET are allowed".

The POST-request lets you retrieve the points of a certain user. The body of the POST-request must have the following structure:

{

"username": string,

"password": string,

"points": integer,

}

…where the key “points” is the number the user’s points will increment by.

If the given user is not found, the server will send a response with status 404 (Not Found) and the message “Not Found”.

Otherwise, the response for the POST-request contains an object with the points of the given user:

{

"points": integer

}

The GET-request gives you the highscores for the quiz (top five) and must have the following structure:

prefix/points.php

The response for the GET-request contains an array with objects. This includes the username and points for the top five users, sorted from highest to lowest points:

[

{

username: string,

points: integer,

},

{

username: string,

points: integer,

},

{

username: string,

points: integer,

},

{

username: string,

points: integer,

},

{

username: string,

points: integer,

}

]