

Cloud Server Android API:

All Endpoints used by Android Application (excluding game endpoints)

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Definitions:

ASK = Android Security Key, used to authenticate requests from Android

-generated on Cloud Server, copy saved on Android

FBToken = Firebase Token, used to identify each instance of the Android app

-generated on Android devices, copy saved on database

-used to send data to a specific Android device running the app

Login

Description:

Used by Android Application to authenticate a user login

Path: /login

Method: POST

Input: JSON

username (String)

password (String)

FBToken (String)

Success:

Code: 200

Content: JSON

ASK (String)

pepper_list (List of Strings)

request_list (List of Strings)

email (String)

Error:

Code: 500 Internal Server Error -Check Cloud Server logs for details

Code: 400 Bad Request -missing input data

Code: 409 Conflict -user not found in database

Code: 401 Unauthorized -password does not match

Message

Description:

Used by Android Application to send a message to a Pepper robot

Path: /message

Method: POST

Input: JSON

username (String)

pep_id (String)

ASK (String)

message (String)

Success:

Code: 200

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 403 Forbidden

-ASK check failed, user should re-login

Code: 401 Unauthorized

-user not authorized for pep_id

Code: 409 Conflict

-pep_id not found in database

Code: 410 Gone

-failed to connect to Pepper

Content: JSON

Error: Pepper Application is inactive.

OR

Error: Pepper failed to respond.

Photo

Description:

Used by Android Application to send a photo to Pepper's tablet

Path: /photo

Method: POST

Input: JSON

username (String)

pep_id (String)

ASK (String)

photo (File)

Success:

Code: 200

Content: JSON

ASK (String)

pepper_list (List of Strings)

request_list (List of Strings)

email (String)

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 403 Forbidden

-ASK check failed, user should re-login

Code: 401 Unauthorized

-user not authorized for pep_id

Code: 409 Conflict

-pep_id not found in database

Code: 410 Gone

-failed to connect to Pepper

Content: JSON

Error: Pepper Application is inactive.

OR

Error: Pepper failed to respond.

Request Authorization

Description:

Used by Android Application to add a authorization request to the database

Path: /reqAuth

Method: POST

Input: JSON

username (String)

pep_id (String)

ASK (String)

email (String)

Success:

Code: 200

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 403 Forbidden

-ASK check failed, user should re-login

Code: 409 Conflict

-pep_id not found in database

Add User

Description:

Used by Android Application to add a user to the database

Path: /addUser

Method: POST

Input: JSON

username (String)

password (String)

name (String)

email (String)

Success:

Code: 200

Content: JSON

ASK (String)

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 409 Conflict

-Username already used

Remove User

Description:

Used by Android Application to delete a user in the database

Path: /removeUser

Method: POST

Input: JSON

username (String)

password (String)

Success:

Code: 200

Error:

Code: 500 Internal Server Error

-Check Cloud Server logs for details

Code: 400 Bad Request

-missing input data

Code: 401 Unauthorized

-password does not match

Code: 409 Conflict

-User not found in database