BINBASH

Perform GET requests to play `excel2016/binbash`

LINUX COMMANDS

1. **WRONG USER**
    - URL:

      http://localhost:8000/request/?user_id=notusername&cmd=
    - Response:

      `{"status": "Failure", "reason": "No user present"}`
2. **NO COMMAND GIVEN**
    - URL:

      http://localhost:8000/request/?user_id=username&cmd=
    - Response:

      `{"status": "Failure", "reason": "No cmd provided"}`
3. **UNKNOWN COMMAND**
    - URL:

      http://localhost:8000/request/?user_id=username&cmd=noob
    - Response:

`{"status": "Failure", "reason": "No cmd provided"}`

4. **LS COMMAND**
   - URL:

     http://localhost:8000/request/?user_id=username&cmd=ls

   - Response:

     `{"status": "Success", "result": "answer.sh file.txt question.txt"}`

5. **CAT COMMAND WITHOUT ARGUMENTS** `$ cat`
   - URL:

     http://localhost:8000/request/?user_id=username&cmd=cat

   - Response:

     `{"status": "Success", "result": "cat requires a filename"}`

6. **CAT COMMAND WITH SOME ARGUMENT** `$ cat abc`
   - URL:

     http://localhost:8000/request/?user_id=username&cmd=cat%20abc

   - Response:

     `{"status": "Success", "result": "cat: abc: No such file or directory"}`

7. **CAT COMMAND FOR QUESTION.TXT FILE** `$ cat question.txt`

- URL:

  http://localhost:8000/request/?user_id=username&cmd=cat%20question.txt

- Response:

  ```
  {"status": "Success", "result": "Write a script to echo given input?"}
  ```

8. **CAT COMMAND FOR ANSWER.SH** `$ cat answer.sh`
   - URL:

     http://localhost:8000/request/?user_id=username&cmd=cat%20answer.sh

   - Response:

     ```
     {"status": "Success", "result": ""}
     ```

9. **CAT COMMAND FOR FILE.TXT** `$ cat file.txt`
   - URL:

     http://localhost:8000/request/?user_id=username&cmd=cat%20file.txt

   - Response:

     ```
     {"status": "Success", "result": "Contents of file.txt"}
     ```

10. **SCOREBOARD COMMAND TO DISPLAY TOP PLAYERS** `$ scoreboard`
    - URL:

http://localhost:8000/request/?user_id=username&cmd=scoreboard

- Response:

```
{"status": "Success", "result count": 2, "result": {"0": ["user_id", "level_no", "question_no", "last submitted correct answers timestamp"], "1": ["a", 1, 1, "2016-09-13T09:41:48.766Z"], "2": ["admin", 1, 1, "2016-09-13T09:20:28Z"]}}
```

- Notes: `"result count"` means “no of players”. `“result”` is another json with 0th element denoting contents in each column

11. **HELP COMMAND** `$ help`

- URL:

http://localhost:8000/request/?user_id=username&cmd=help

- Response:

```
{"status": "Success", "result": "BIN BASH HELP\n The commands available here includes :\n 1. ls - list all the files in the current directory.\n 2. cat filename - displays contents of the file named \"filename\".\n 3. submit - opens up and upload window to submit code.\n 4. scoreboard - displays top current users in the scoreboard. "}
```

IMPORTANT CALLS

1. **NO FILE SUBMITTED FOR COMPILING**

- URL:

  http://localhost:8000/request/?user_id=username&cmd=submit

- Response:

  `{"status": "Failure", "reason": "Provide path to answer file"}`

2. **FILE SUBMITTED FOR COMPILING**

   - URL:

     http://localhost:8000/request/?user_id=username&cmd=submit&file=/tmp/a.sh

   - Response:

     `{"status": "Success", "Result":" {"/home/haxorware/docker/tutorial/1/testcase_1": {"expected_output": "Hello World\n", "obtained_output": "Hello World\n", "testcase": "Hello World\n", "result": "Success"}, "/home/haxorware/docker/tutorial/1/testcase_3": {"expected_output": "0a888 63510308 75129 3f4b91a fc07dd6\n", "obtained_output": "Hello World\n", "testcase": "0a888 63510308 75129 3f4b91a fc07dd6\n", "result": "Failed"}, "/home/haxorware/docker/tutorial/1/testcase_2": {"expected_output": "manga\n", "obtained_output": "Hello World\n", "testcase": "manga\n", "result": "Failed"}}"}`

3. **FIRST CALL – TO GET LEVEL AND QUESTION OF A USER** `$ whoami`

   - URL:

http://localhost:8000/request/?user_id=username&getdetails=true

- Response:

```
{"status": "Success", "level_info": "", "question": 1, "question_info": "", "level": 1}
```