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import logging
import requests
import re
import threading

playSessionCookieKey = 'PLAY_SESSION'

def extractCsrfToken(body):
    csrfToken = re.search(r'[0-9a-f]{40}-[0-9a-f]{13}-[0-9a-f]{24}', body).group()
    return csrfToken

def getRequestString(req):
    result = '{} HTTP/1.1\n{}\n\n{}'.format(
        req.method + ' ' + req.url,
        '\n'.join('{}: {}'.format(k, v) for k, v in req.headers.items()),
        req.body)
    return result

def prepareRequest():
    # get csrf token
    response = requests.get('http://localhost:9000/login')
    sessionCookie = response.cookies.get(playSessionCookieKey)
    csrfToken = extractCsrfToken(response.text)
    cookies = {playSessionCookieKey: sessionCookie}
    payload = {'credentials': 'admin', 'password': 'admin1', 'csrfToken': csrfToken}

    # get login cookie
    response = requests.post(
        'http://localhost:9000/login',
        data=payload,
        cookies=response.cookies,
        allow_redirects=False)
    cookies = response.cookies

    response = requests.get('http://localhost:9000/fileupload')
    files = {'file': open('/Users/juliuszint/Desktop/upload.txt', 'rb')}
    headers = {'Host': 'localhost:9000'}
    payload = {'csrfToken': csrfToken, 'filename': 'frompython', 'comment': 'hi'}
    request = requests.Request(
        'POST',
        'http://localhost:9000/fileupload',
        data=payload,
        files=files,
        cookies=cookies,
        headers=headers)
    requestString = getRequestString(request.prepare())
    return requestString

class uploadrace(object):
    def get_host(self):
        return 'localhost'

    def get_port(self):
        return 9000

    def use_ssl(self):
        return False

    def get_request_str(self):
        result = prepareRequest()
        return result

    def analyze_response(self, response_str):
        pass

    def end(self):
        pass
```