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from selenium import webdriver
import time
import requests
from hashlib import md5
import re
import base64
from selenium.webdriver.common.action_chains import ActionChains

class Chaojiying_Client(object):

    def __init__(self, username, password, soft_id):
        self.username = username
        password = password.encode('utf8')
        self.password = md5(password).hexdigest()
        self.soft_id = soft_id
        self.base_params = {
            'user': self.username,
            'pass2': self.password,
            'softid': self.soft_id,
        }
        self.headers = {
            'Connection': 'Keep-Alive',
            'User-Agent': 'Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0)',
        }

    def PostPic(self, im, codetype):
        params = {
            'codetype': codetype,
        }
        params.update(self.base_params)
        files = {'userfile': ('12306.jpg', im)}
        r = requests.post('http://upload.chaojiying.net/Upload/Processing.php',
data=params, files=files, headers=self.headers)
        return r.json()

    def ReportError(self, im_id):
        params = {
            'id': im_id,
        }
        params.update(self.base_params)
        r = requests.post('http://upload.chaojiying.net/Upload/ReportError.php',
data=params, headers=self.headers)

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return r.json()
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class Login:
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    def __init__(self, url, username, password):
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        self.url = url
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        self.username = username
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        self.password = password
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    def login(self):
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        self.browser = webdriver.Chrome()
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        self.browser.get(self.url)
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        time.sleep(2)
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        login_select = self.browser.find_element_by_class_name('login-hd-account')
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        login_select.click()
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        user = self.browser.find_element_by_id('J-userName')
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        word = self.browser.find_element_by_id('J-password')
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        user.send_keys(self.username)
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        word.send_keys(self.password)
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    def get_pic(self):
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        tag = self.browser.find_element_by_class_name('imgCode')
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        temp = tag.get_attribute('src')
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        b64_pic = re.sub(r'data:image/jpg;base64,', '', temp)
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        pic = base64.b64decode(b64_pic)
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        return pic
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```
    def click(self, j):
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```
        temp = j.get('pic_str')
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        locations = [list(map(int, i.split(','))) for i in temp.split('|')]
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        for location in locations:
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            ActionChains(self.browser).move_to_element_with_offset(self.browser.find_element_by_class_name('imgCode'),
```

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            location[0], location[1]).click().perform()
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                time.sleep(5)
```

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                self.browser.find_element_by_id('J-login').click()
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    def get_cookies(self):
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```
        return self.browser.get_cookies()
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if __name__ == '__main__':
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a = Login('https://kyfw.12306.cn/otn/resources/login.html', '13819690334',
'xzy123456')
a.login()
time.sleep(2)
chaojiying = Chaojiying_Client('s674560845', 's13958920775', '900033')
im = a.get_pic()
print(im)
z = chaojiying.PostPic(im, 9004)
print(z)
a.click(z)
print(a.get_cookies())
```

