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from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.common.keys import Keys
import time

BROWSERSTACK_USERNAME = "your_username"
BROWSERSTACK_ACCESS_KEY = "your_access_key"

BROWSERSTACK_URL = f"https://{BROWSERSTACK_USERNAME}:
{BROWSERSTACK_ACCESS_KEY}@hub-cloud.browserstack.com/wd/hub"

BROWSERS = [
{"browser": "Chrome", "browser_version": "latest", "os": "Windows",
"os_version": "10"},
{"browser": "Firefox", "browser_version": "latest", "os": "Windows",
"os_version": "10"},
{"browser": "Safari", "browser_version": "latest", "os": "OS X", "os_version":
"Monterey"},
{"browser": "Edge", "browser_version": "latest", "os": "Windows", "os_version":
"10"},
]

def test_login(browser_config):
caps = {
"browser": browser_config["browser"],
"browser_version": browser_config["browser_version"],
"os": browser_config["os"],
"os_version": browser_config["os_version"],
"name": f"Test on {browser_config['browser']}",
}

driver = webdriver.Remote(command_executor=BROWSERSTACK_URL,
desired_capabilities=caps)

try:
driver.get("https://www.saucedemo.com/")
driver.find_element(By.ID, "user-name").send_keys("standard_user")
driver.find_element(By.ID, "password").send_keys("secret_sauce", Keys.RETURN)
time.sleep(3)

if "inventory.html" in driver.current_url:
print(f"Login successful on {browser_config['browser']}")
else:
print(f"Login failed on {browser_config['browser']}")

driver.save_screenshot(f"{browser_config['browser']}_test.png")

finally:
driver.quit()

# Run tests across all browsers
for browser in BROWSERS:
test_login(browser)

```