

Assignment-5

Task 1: Mouse Actions

1. Right-Click Context Menu

- **URL:** https://the-internet.herokuapp.com/context_menu
- **Task:** Right-click on the box to trigger the context menu. Validate the alert message that appears.

2. Double-Click

- **URL:** <https://selenium08.blogspot.com/2019/11/double-click.html>
- **Task:** Double-click the "Double-Click Me To See Alert" button. Handle the alert that appears.

3. Mouse Hover

- **URL:** <https://demoqa.com/tool-tips>
- **Task:** Hover over the "Hover me to see" button and capture the tooltip text.

4. Drag and Drop

- **URL:** <https://demoqa.com/droppable/>
- **Task:** Drag the "Drag me" box and drop it into the "Drop here" area. Validate that the drop was successful by checking the text change.

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Ans: from selenium import webdriver
from selenium.webdriver.common.action_chains import ActionChains
from selenium.webdriver.common.by import By
from selenium.webdriver.common.keys import Keys
import time

driver = webdriver.Chrome()
driver.maximize_window()

# 1. Right-click
driver.get("https://the-internet.herokuapp.com/context_menu")
box = driver.find_element(By.ID, "hot-spot")
ActionChains(driver).context_click(box).perform()
time.sleep(2)
alert = driver.switch_to.alert
print("Alert message:", alert.text)
alert.accept()

# 2. Double-Click
driver.get("https://selenium08.blogspot.com/2019/11/double-click.html")
double_click_button = driver.find_element(By.XPATH, "//*[@id='post-body-306266493237125284']/div/button")
ActionChains(driver).double_click(double_click_button).perform()
time.sleep(1)
alert = driver.switch_to.alert
print("Alert message:", alert.text)
alert.accept()

# 3. Mouse Hover
driver.get("https://demoqa.com/tool-tips")
hover_button = driver.find_element(By.ID, "toolTipButton")
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ActionChains(driver).move_to_element(hover_button).perform()
time.sleep(1)
tooltip = driver.find_element(By.CLASS_NAME, "tooltip-inner")
print("Tooltip text:", tooltip.text)

# 4. Drag and Drop
driver.get("https://demoqa.com/droppable/")
drag_box = driver.find_element(By.ID, "draggable")
drop_area = driver.find_element(By.ID, "droppable")
ActionChains(driver).drag_and_drop(drag_box, drop_area).perform()
time.sleep(1)
drop_text = drop_area.text
print("Drop area text after drop:", drop_text)

driver.quit()

```

Task 2: Keyboard Actions

1. Form Input with Keyboard Keys

- **URL:** <https://demoqa.com/text-box>
- **Task:**
 - Enter your name and email using the keyboard.
 - Use Tab to navigate between fields.
 - Submit the form using the Enter key.

2. Press Key Combination

- **URL:** Use any basic HTML page with text inputs.
- **Task:**
 - Use Ctrl+A to select all text in a field.
 - Use Ctrl+C to copy the text.
 - Use Ctrl+V to paste the text into another field.

3. Copy-Paste Simulation

- **URL:** https://inderpsingh.blogspot.com/2014/08/demowebapp_24.html
- **Task:**
 - Type distance in the first input box.
 - Use keyboard shortcuts to copy and paste the text into another input box.

```

Ans: from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.common.action_chains import ActionChains
from selenium.webdriver.common.keys import Keys
import time

driver = webdriver.Chrome()
driver.maximize_window()

# 1. Form Input with Keyboard Keys
driver.get("https://demoqa.com/text-box")
time.sleep(1)

```

```
# Enter name and email
name_input = driver.find_element(By.ID, "userName")
name_input.send_keys("Aniket")

email_input = driver.find_element(By.ID, "userEmail")
email_input.send_keys("aniket123@example.com")

# Use Tab to navigate to the next field
email_input.send_keys(Keys.TAB)

# Submit the form using the Enter key
email_input.send_keys(Keys.ENTER)

time.sleep(2)

# 2. Press Key Combination
driver.get("data:text/html,<html><body><input id='input1' type='text' value='Hello World'><input id='input2' type='text'></body></html>")
time.sleep(1)

# Select all text in the first input field
input1 = driver.find_element(By.ID, "input1")
input1.click()
ActionChains(driver).key_down(Keys.CONTROL).send_keys('a').key_up(Keys.CONTROL).perform()
time.sleep(1)

# Copy the text
ActionChains(driver).key_down(Keys.CONTROL).send_keys('c').key_up(Keys.CONTROL).perform()
time.sleep(1)

# Move to the second input field and paste the text
input2 = driver.find_element(By.ID, "input2")
input2.click()
ActionChains(driver).key_down(Keys.CONTROL).send_keys('v').key_up(Keys.CONTROL).perform()

time.sleep(2)

# 3. Copy-Paste Simulation
driver.get("https://inderpsingh.blogspot.com/2014/08/demowebapp_24.html")
time.sleep(2)

# Type distance in the first input box
distance_input = driver.find_element(By.ID, "distance")
distance_input.send_keys("100")

# Use keyboard shortcuts to copy and paste the text into another input box
distance_input.click()
ActionChains(driver).key_down(Keys.CONTROL).send_keys('a').key_up(Keys.CONTROL).perform()
time.sleep(1)
ActionChains(driver).key_down(Keys.CONTROL).send_keys('c').key_up(Keys.CONTROL).perform()
time.sleep(1)

# Move to the second input box and paste the text
another_input = driver.find_element(By.ID, "speed")
another_input.click()
ActionChains(driver).key_down(Keys.CONTROL).send_keys('v').key_up(Keys.CONTROL).perform()
time.sleep(2)
driver.quit()
```

