

## Part 3: Debugging Automation Issues

### Task 1: Debug and Fix Automation Script

#### Solution 1: Using WebDriverWait for Element to be Clickable

```
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC

driver = webdriver.Chrome()

driver.get("https://example-ecommerce-site.com")

try:

    wait = WebDriverWait(driver, 10)
    button = wait.until(EC.element_to_be_clickable((By.ID, "dynamic-button")))

    button.click()
    print("Button clicked successfully!")

except Exception as e:
    print(f"Error: {e}")
finally:
    driver.quit()
```

#### Solution 2: Scroll Element into View Before Clicking

```
from selenium.webdriver.common.by import By
from selenium.webdriver.common.action_chains import ActionChains

driver.get("https://example-ecommerce-site.com")

button = driver.find_element(By.ID, "dynamic-button")

driver.execute_script("arguments[0].scrollIntoView(true);", button)

button.click()
```

### **Solution 3: Using JavaScript to Click the Element**

```
button = driver.find_element(By.ID, "dynamic-button")
```

```
driver.execute_script("arguments[0].click();", button)
```