



E-commerce Security Testing

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Introduction:

This document provides a detailed explanation of Security testing of the e-commerce portal. The tests are written in Python and executed using selenium and Page-object Model Framework. The main objective of this test is to ensure

that the application is protected from all threats, unauthorized users and vulnerabilities of the system and help developers fix security problems through coding.

Overview of the E-Commerce Application:

Goldstar Shoes:

Rooted in a legacy upheld by the esteemed names of Kiran Shoes Manufacturers Pvt. Ltd (KSM) and Modern Slipper Industries Pvt. Ltd (MSI), The brand stands as pioneers in the footwear industry, renowned for its unwavering commitment to craftsmanship and innovation.

The Goldstar brand was initiated by Noor Pratap Rana in mid 1970s as a family business. It is manufactured by Kiran Shoe Manufacturers which produces about 25000 shoes per day. The brand has been marketed in India, Australia and Malaysia, among other countries.

Muncha.com:

Muncha.com is the most prominent name in gifting among Nepalese all over the world. The platform originated as Muncha House in the 1920s, Nepal's first department store, and expanded into online shopping in 2000 to offer a gift gallery for non-resident Nepalese looking to surprise family and friends back home.

Muncha.com values curating thoughtful gifts, delivering with care, and maintaining a 24×7 presence for its customers. The brand was established with the vision of forging life-long relationships with its customers and takes pride in being reliable, ensuring special deliveries are made every day.

Customers rely on Muncha.com to send gifts for various occasions, including birthdays, anniversaries, Nepalese festivals, rituals, weddings, celebrations of achievements, and international holidays. Whether they are missing family and friends or marking special moments, Muncha.com is the go-to platform for connecting across distances.

Salt Nepal:

Salt Nepal is a vibrant fashion brand dedicated to offering the trendiest ladies wear at affordable prices. Founded with the vision of empowering women through fashion, we bring the latest styles and designs to our customers, ensuring they always look and feel their best without breaking the bank. Our collection is carefully curated to reflect the latest global trends, while also being tailored to the unique preferences and culture of our local market.

Execution

Testing Environment

- Programming Language: Python
- **Testing Framework:** PyTest
- **Browser Automation Tool:** Selenium WebDriver
- **Design Pattern:** Page Object Model (POM)
- **IDE:** PyCharm
- **Browser:** Google Chrome
- **Screenshot Tool:** Lightshot
- **Documentation Tool:** Notion

Prerequisites:

- Python 3 installed on your system

To set up the python 3, Open PyCharm and on the terminal line, add the following:

```
pip install python
```

- Selenium WebDriver

To set up the selenium, add the following lines of code in the terminal line:

```
pip install selenium
pip install webdriver_manager
```

- Chrome Driver Manager

To set up the Chrome driver , add the following lines of code in the terminal line:

```
@pytest.fixture()
def driver():
    #SETTING UP THE CHROME DRIVER MANAGER AS driver
    driver = webdriver.Chrome(service=ChromeService(ChromeDriverManager().install()))
    driver.implicitly_wait(2)
    #YIELD THE DRIVER
    yield driver
    #CLOSE THE DRIVER INSTANCE
    driver.quit()
```

Page Object Model (POM) with Implementation and Test Cases

Goldstar Shoes

Registration Page Object

File: [pages/goldstar/registration_page.py](#)

```
#IMPORT ALL THE NECESSARY MODULES
from selenium.webdriver.common.by import By
```

```

import re

#DEFINE CLASS FOR REGISTRATION PAGE OF GOLDSSTAR
class RegistrationPageGoldstar:
    def __init__(self,driver):
        self.driver = driver
        self.first_name_field = By.XPATH,"//input[contains(@name,'first_name')]"
        self.last_name_field = By.XPATH,"//input[@name='Lastname']"
        self.email_field= By.XPATH,"//input[@id='txtRegUserEmail']"
        self.password_field = By.XPATH,"//input[@id='txtRegUserPassword']"
        self.confirm_password_field = By.XPATH,"//input[@id='txtRegUserConfirmPassword']"
        self.register_button = By.XPATH,"//button[@id='btnRegister']"

    def open_page(self,url):
        self.driver.get(url)

    def enter_first_name(self,firstname):
        self.driver.find_element(*self.first_name_field).send_keys(firstname)

    def enter_last_name(self,lastname):
        self.driver.find_element(*self.last_name_field).send_keys(lastname)

    def enter_email(self,email):
        self.driver.find_element(*self.email_field).send_keys(email)

    def enter_password(self,password):
        self.driver.find_element(*self.password_field).send_keys(password)

    def enter_confirm_password(self, confirm_password):
        self.driver.find_element(*self.confirm_password_field).send_keys(confirm_password)

    def click_register(self):
        self.driver.find_element(*self.register_button).click()

    def is_valid_email(self, email):
        # check the format using Regular Expression(re)
        email_regex = r"^[a-zA-Z0-9_.+-]+@[a-zA-Z0-9-]+\.[a-zA-Z.]{2,}$"
        return re.match(email_regex, email) is not None

```

Test Case Implementation

File: `run_test1.py`

```
#IMPORT ALL THE NECESSARY MODULES
from selenium import webdriver
from selenium.webdriver.chrome.service import Service as ChromeService
from webdriver_manager.chrome import ChromeDriverManager
import pytest
import time

#IMPORT THE CLASSES FROM THE PAGES
from pages.goldstar.registration_page import RegistrationPage

@pytest.fixture()
def driver():
    #SETTING UP THE CHROME DRIVER MANAGER
    driver = webdriver.Chrome(service=ChromeService(ChromeDriverManager().install()))
    driver.implicitly_wait(2)
    #YIELD THE DRIVER
    yield driver
    #CLOSE THE DRIVER INSTANCE
    driver.quit()

#RUNNING TEST FUNCTION ON GOLDSTAR REGISTRATION PAGE
def test_registration_goldstar(driver):
    email = "johndoe01@gmail.com"
    goldstar_registration = RegistrationPageGoldstar(driver)
    goldstar_registration.open_page("https://www.goldstarshoe.com")
    driver.maximize_window()
    time.sleep(1)
    goldstar_registration.enter_first_name("John")
    time.sleep(1)
    goldstar_registration.enter_last_name("Doe")
    time.sleep(1)
    goldstar_registration.enter_email(email)
    time.sleep(1)
    goldstar_registration.enter_password("Nepali@123")
    time.sleep(1)
```

```
goldstar_registration.enter_confirm_password("Nepali@123")
time.sleep(1)
# goldstar_registration.click_register()
# time.sleep(1)

# check the validity of the email
if goldstar_registration.is_valid_email(email):
    print(f"The given email: {email} is valid")
else:
    print(f"The given email: {email} is invalid")
```

Authorization Test case of GoldStar:



Test ID: test_0001

Objective: Verify that counter user can register an account

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Registration Link
4. Move to Registration Page
5. Fill the registration portal with valid user phone number along with the other details
6. Click on Register Button
7. Your user account has been registered

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Register Page
5. Counter user should be redirected to the Dashboard Page

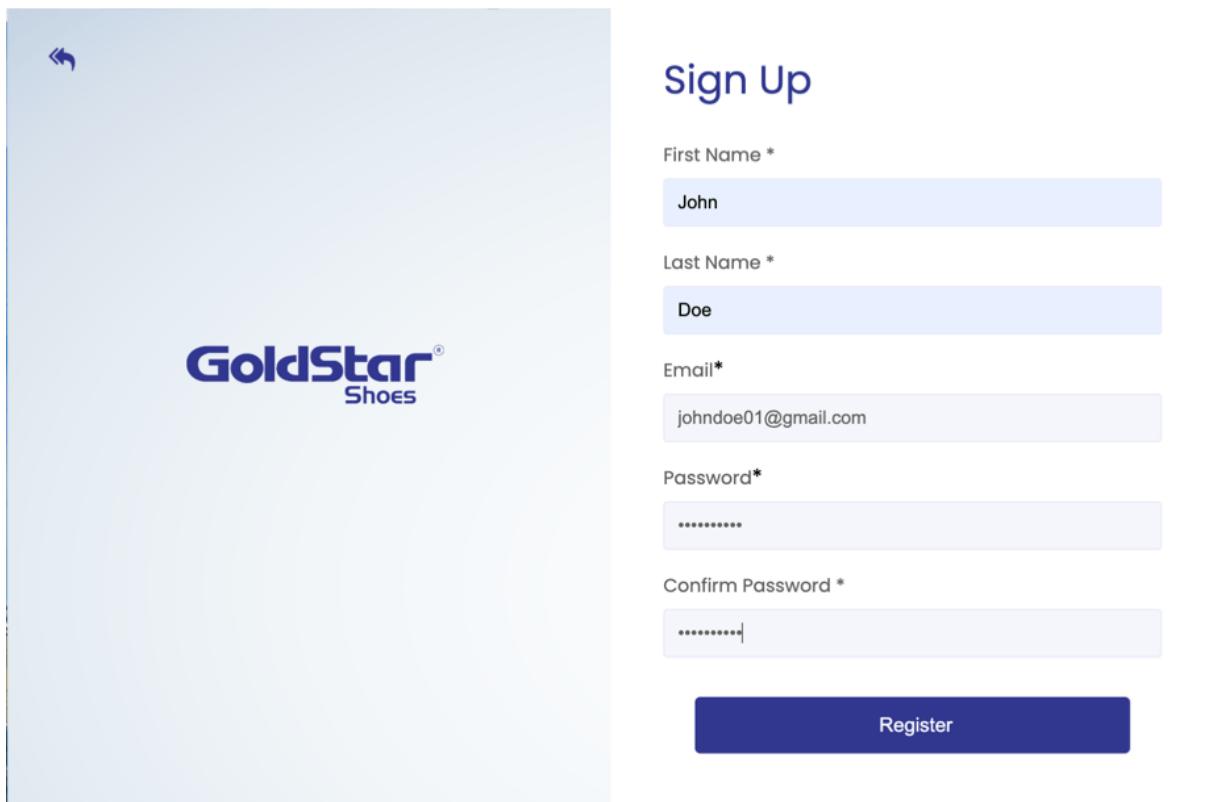
Test Data:

1. URL: <https://www.goldstarshoes.com/>
2. First Name: John
3. Last Name : Doe
4. Email: johndoe01@gmail.com
5. Password: Nepali@123
6. Confirm-Password: Nepali@123

Actual Result: As per expected

Test Status: Pass

Screenshot:



Sign Up

First Name *

John

Last Name *

Doe

Email*

johndoe01@gmail.com

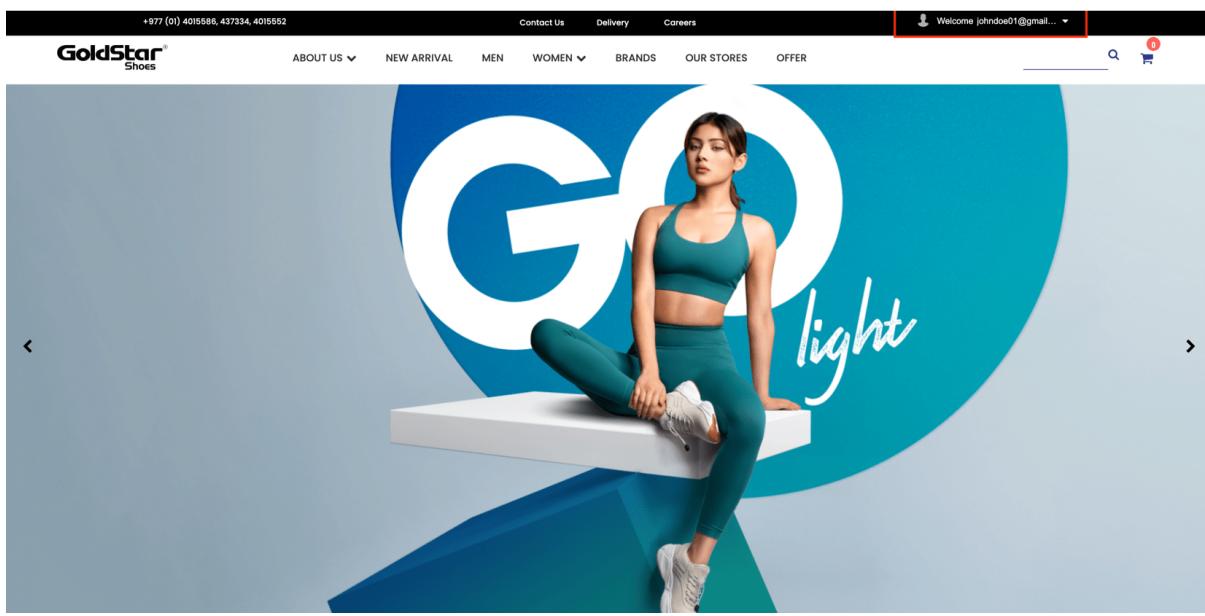
Password*

Confirm Password *

*****|

Register

User Input in the Registration Form of Goldstar Shoes



Counter user being redirected to the dashboard page after registration in Goldstar Shoes

Validation Testing of Goldstar:



Test ID: test_002

Objective: Verify that email is validated with correct user input

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Register Link
4. Move to Registration Page
5. Fill the registration portal with valid user email along with the other details
6. Click on Register Button
7. The console will display message "The given email pattern is valid"

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Register button
5. Valid Email and Phone Message should be displayed in the console

Test Data:

1. URL: <https://www.goldstarshoes.com/>
2. Email: johndoe01@gmail.com

Actual Result: As per expected

Test Status: Pass

Screenshot:

```
✓ Tests passed: 1 of 1 test - 10 sec 390 ms
/Users/mac/PycharmProjects/MindRisers/.venv/bin/python /Applications/PyCharm CE.app/Contents/plugins/python-ce/helpers/pycharm/_jb_pytest_runner.py --target i
Testing started at 14:54 ...
Launching pytest with arguments run_test1.py::test_registration_goldstar --no-header --no-summary -q in /Users/mac/PycharmProjects/ecommercetesting

===== test session starts =====
collecting ... collected 1 item

run_test1.py::test_registration_goldstar PASSED
[100%]The given email: johndoe01@gmail.com is valid

===== 1 passed in 16.17s =====
Process finished with exit code 0
```

Checking validation of an email in registration page with correct email pattern



Test ID: test_0003

Objective: Verify that Invalid email pattern message is displayed with incorrect user input

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Register Link
4. Move to Registration Page
5. Fill the registration portal with valid user email along with the other details
6. Click on Register Button
7. The console will display message "The given email pattern is invalid"

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Create An Account Page
5. Valid Email and Phone Message should be displayed in the console

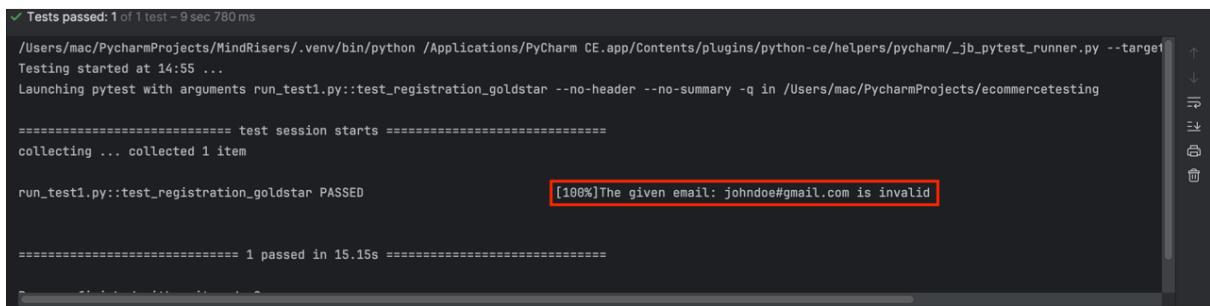
Test Data:

1. URL: <https://www.goldstarshoes.com/>
2. Email: ram#gmail.com

Actual Result: As per expected

Test Status: Pass

Screenshot:



```

    ✓ Tests passed: 1 of 1 test - 9 sec 780 ms
    /Users/mac/PycharmProjects/MindRisers/.venv/bin/python /Applications/PyCharm CE.app/Contents/plugins/python-ce/helpers/pycharm/_jb_pytest_runner.py --target=run_test1.py::test_registration_goldstar --no-header --no-summary -q in /Users/mac/PycharmProjects/ecommerceTesting
    Testing started at 14:55 ...
    Launching pytest with arguments run_test1.py::test_registration_goldstar --no-header --no-summary -q in /Users/mac/PycharmProjects/ecommerceTesting

    ===== test session starts =====
    collecting ... collected 1 item

    run_test1.py::test_registration_goldstar PASSED [100%] The given email: john Doe@gmail.com is invalid!

    ===== 1 passed in 15.15s =====

```

Checking validation of an email in registration page with incorrect email pattern

Login Page Object

File: [pages/goldstar/login_page.py](#)

```

#IMPORT ALL THE NECESSARY MODULES
from selenium.webdriver.common.by import By

#DEFINE CLASS FOR LOGIN PAGE OF GOLDSTAR
class LoginPageGoldstar:
    def __init__(self, driver):
        self.driver = driver
        self.username_field = By.XPATH, "//input[@id='txtUserName']"
        self.password_field = By.XPATH, "//input[@id='txtUserPass']"
        self.login_button = By.XPATH, "//button[@id='btnSignIn']"
    def open_page(self, url):
        self.driver.get(url)

    def enter_username(self, username):
        self.driver.find_element(*self.username_field).send_keys(username)

    def enter_password(self, pwd):
        self.driver.find_element(*self.password_field).send_keys(pwd)

    def click_login(self):
        self.driver.find_element(*self.login_button).click()

```

Test Case Implementation

File: [run_test1.py](#)

```

#IMPORT ALL THE NECESSARY MODULES
from selenium import webdriver
from selenium.webdriver.chrome.service import Service as ChromeService
from webdriver_manager.chrome import ChromeDriverManager
import pytest
import time

#IMPORT THE CLASSES FROM THE PAGES
from pages.goldstar.login_page import LoginPageGoldstar

#Testing the different login credentials using Parameterization of GOLDSTAR
@pytest.mark.parametrize("useremail,userpassword", [
    ("johndoe01@gmail.com", "Nepali@123"),
    ("johndoe01@gmail.com", "nepali@@123"),
    ("johndai@gmail.com", "Nepali@123"),
    ("","", "")
])
def test_login_goldstar(driver, useremail,userpassword):
    goldstar_login = LoginPageGoldstar(driver)
    goldstar_login.open_page("https://www.goldstarshoes.com/login")
    driver.maximize_window()
    time.sleep(1)
    goldstar_login.enter_username(useremail)
    time.sleep(1)
    goldstar_login.enter_password(userpassword)
    time.sleep(1)
    goldstar_login.click_login()
    time.sleep(3)

```

Authentication Testing of Goldstar:



Test ID: test_0004

Objective: Verify that counter user can login with valid username and password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Login Link
4. Move to Login Page
5. Fill the customer login portal with valid user id and password
6. Click on Sign In button
7. The website will be redirected to the home page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill username and password in the text box
4. Counter user should be able to press the login button
5. Counter user should be able to redirected to the dashboard page

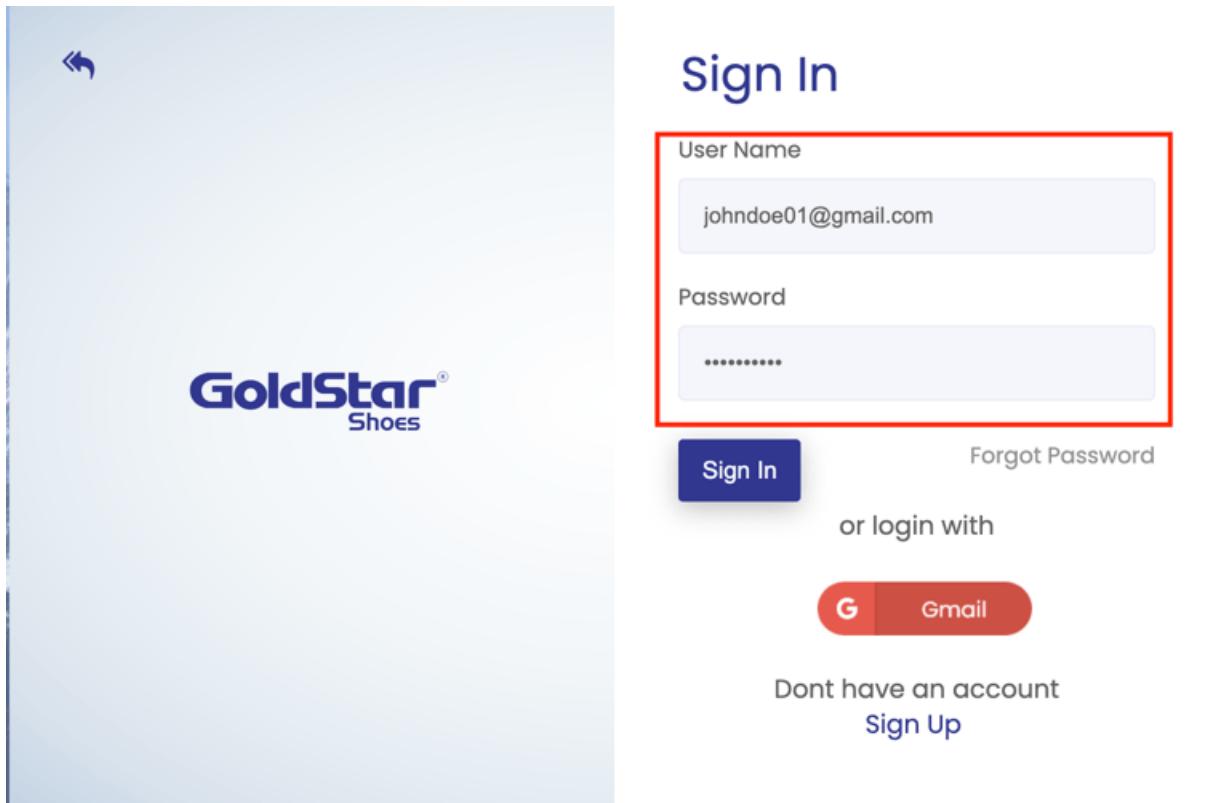
Test Data:

1. URL: <https://www.goldstarshoes.com/>
2. Username : johndoe01i@gmail.com
3. Password : Nepali@123

Actual Result: As per expected

Test Status: Pass

Screenshot:



Checking the login authentication with valid username and password and being redirected to the dashboard



Test ID: test_0005

Objective: Verify that counter user cannot login with valid username and invalid password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Login Link
4. Move to Login Page
5. Fill the customer login portal with valid user id and password
6. Click on Sign In button
7. The website should display "Credentials Mismatch" message

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill username and password in the text box
4. Counter user should be able to press the login button
5. Counter user should not be able to access the dashboard page

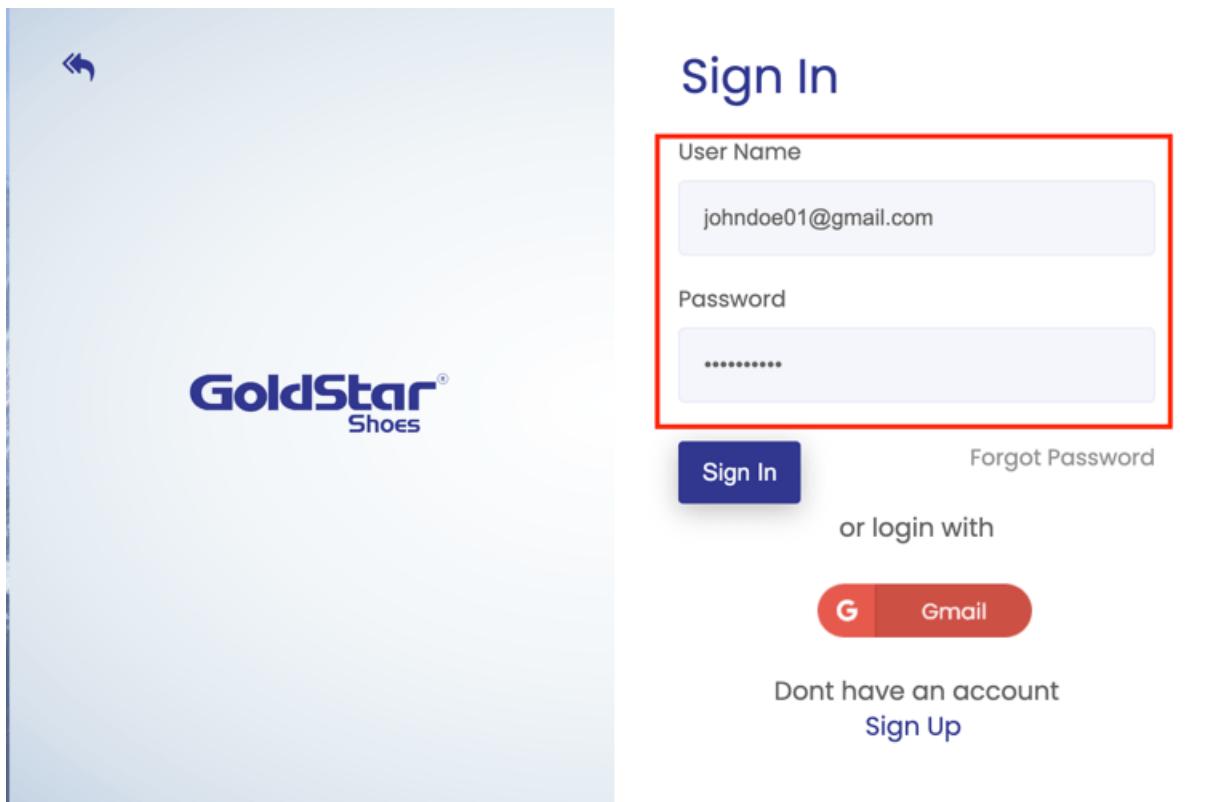
Test Data:

1. URL: <https://www.goldstarshoes.com/>
2. Username : johndoe01@gmail.com
3. Password : nepali@@123

Actual Result: As per expected

Test Status: Pass

Screenshot:



The image shows the sign-in page for GoldStar Shoes. The page has a light blue header with a back arrow icon. The main content area has a white background. On the left, the GoldStar Shoes logo is displayed. On the right, the word "Sign In" is prominently displayed in a large, dark blue font. Below it is a form with two input fields: "User Name" containing "johndoe01@gmail.com" and "Password" containing a series of dots. A red box highlights the "User Name" and "Password" fields. Below the form are two buttons: "Sign In" (dark blue) and "Forgot Password" (light blue). The text "or login with" is followed by a "Gmail" button with a "G" icon. At the bottom, there is a link "Dont have an account" and a "Sign Up" button.

Sign In

User Name

johndoe01@gmail.com

Password

Sign In

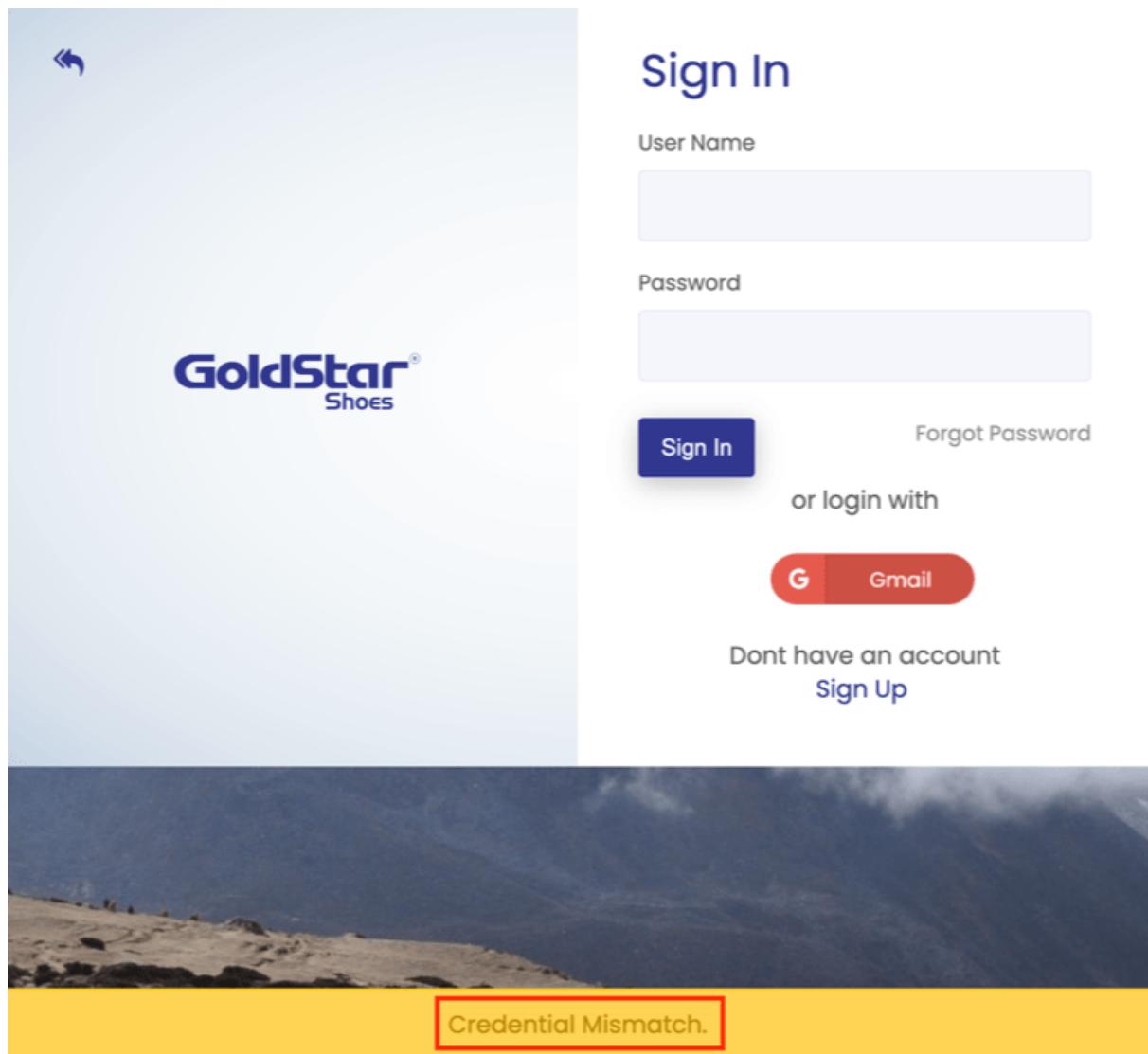
Forgot Password

or login with

G Gmail

Dont have an account

Sign Up



Checking the login authentication with valid username and invalid password



Test ID: test_0006

Objective: Verify that counter user cannot login with invalid username and valid password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Login Link
4. Move to Login Page
5. Fill the customer login portal with invalid user id and valid password
6. Click on Sign In button
7. The website should display "Credentials Mismatch" message

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill username and password in the text box
4. Counter user should be able to press the login button
5. Counter user should not be able to access the dashboard page

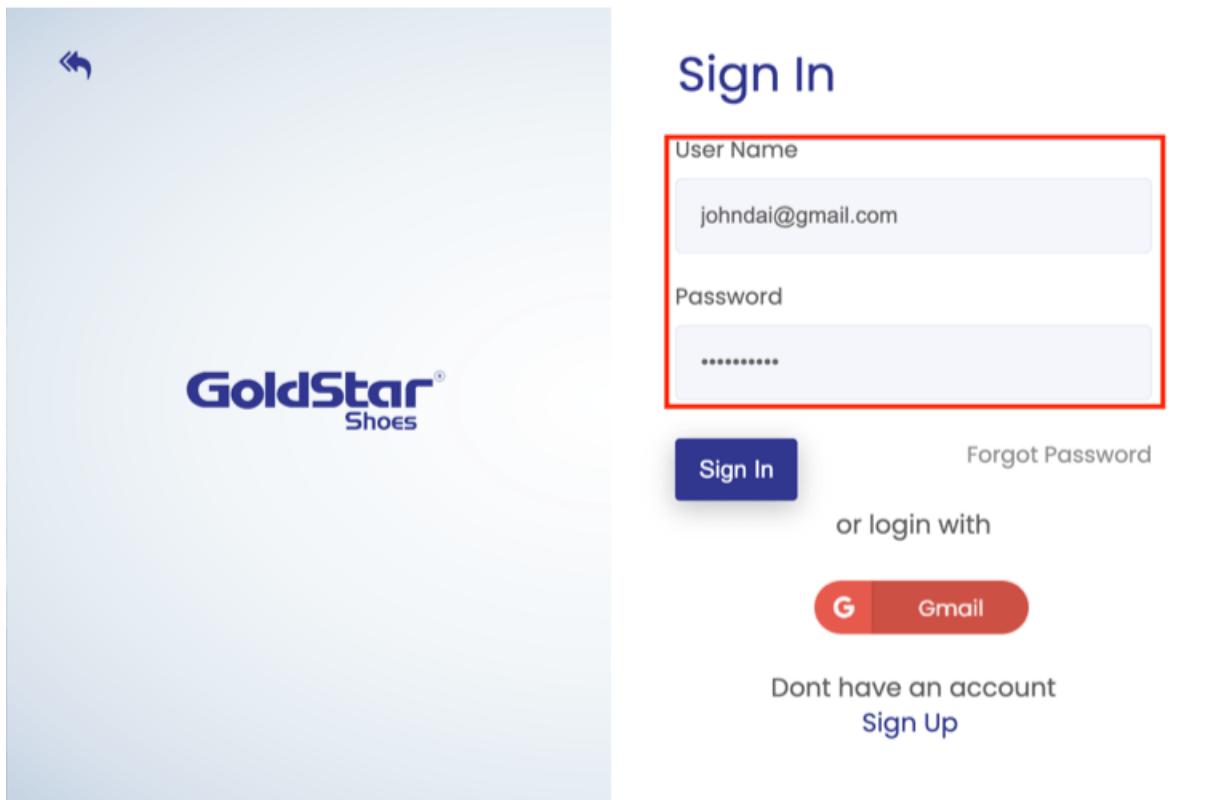
Test Data:

1. URL: <https://www.goldstarshoes.com/>
2. Username : johndai@gmail.com
3. Password : Nepali@123

Actual Result: As per expected

Test Status: Pass

Screenshot:



The image shows a mobile application's sign-in screen for GoldStar Shoes. The background is light blue. At the top left is a back arrow icon. The GoldStar Shoes logo is in the top center. The main title "Sign In" is at the top right. Below it is a red-bordered input field for "User Name" containing "johndai@gmail.com". Below that is another red-bordered input field for "Password" containing a series of dots. To the right of the password field is a "Forgot Password" link. Below the input fields is a blue "Sign In" button. To the right of the button is text "or login with" followed by a Google "G" icon and a "Gmail" button. At the bottom right are links for "Dont have an account" and "Sign Up".

Sign In

User Name

johndai@gmail.com

Password

.....

Forgot Password

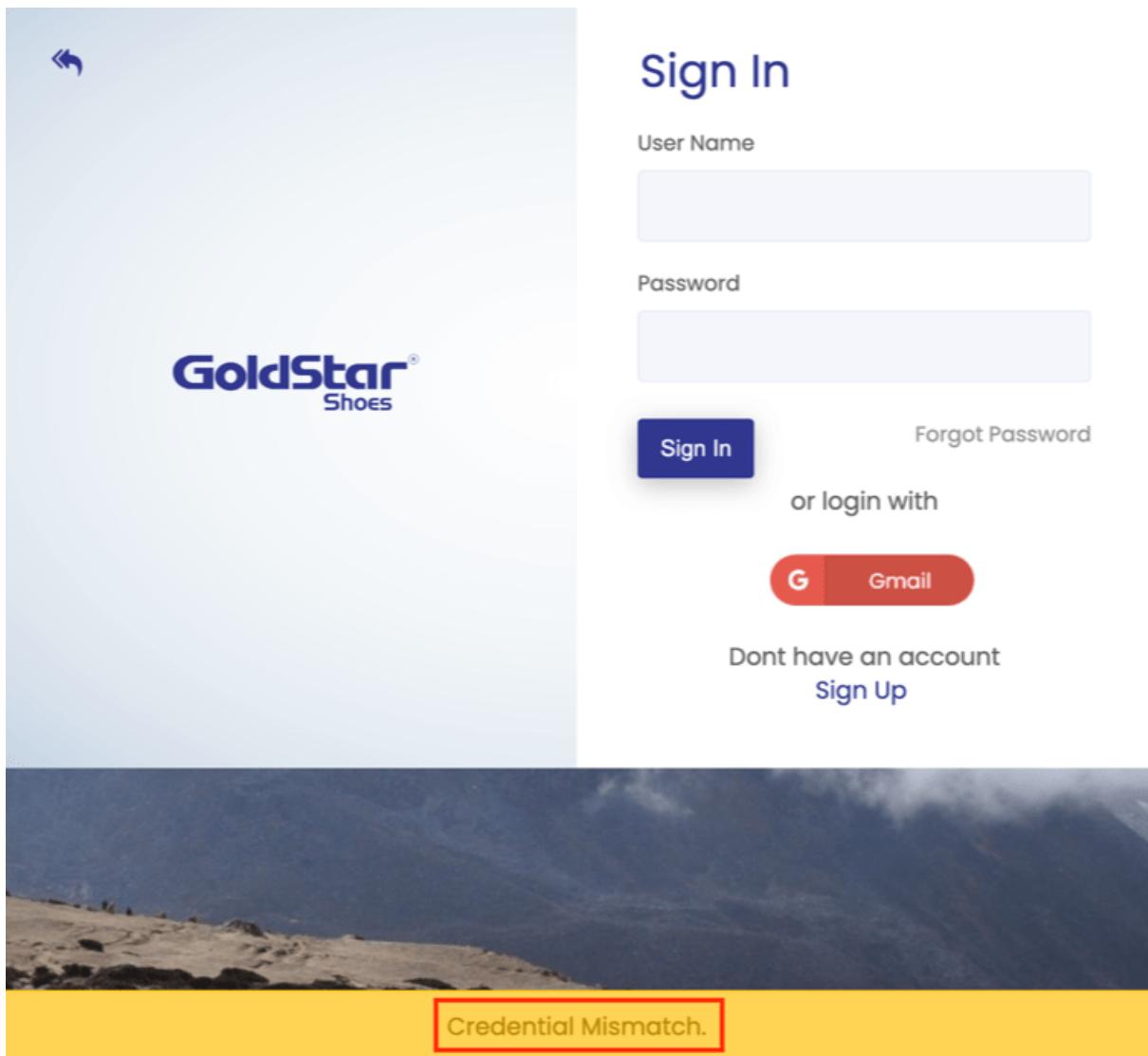
Sign In

or login with

G Gmail

Dont have an account

Sign Up



Checking the login authentication with invalid username and valid password



Test ID: test_0007

Objective: Verify that counter user cannot login with empty credentials

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Sign In
4. Move to Login Page
5. Set the username and password field empty
6. Click on Sign In button
7. The website should display "Username and password required" message

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to keep the username and password empty in the text box
4. Counter user should be able to press the login button
5. Counter user should not be able to access the dashboard page

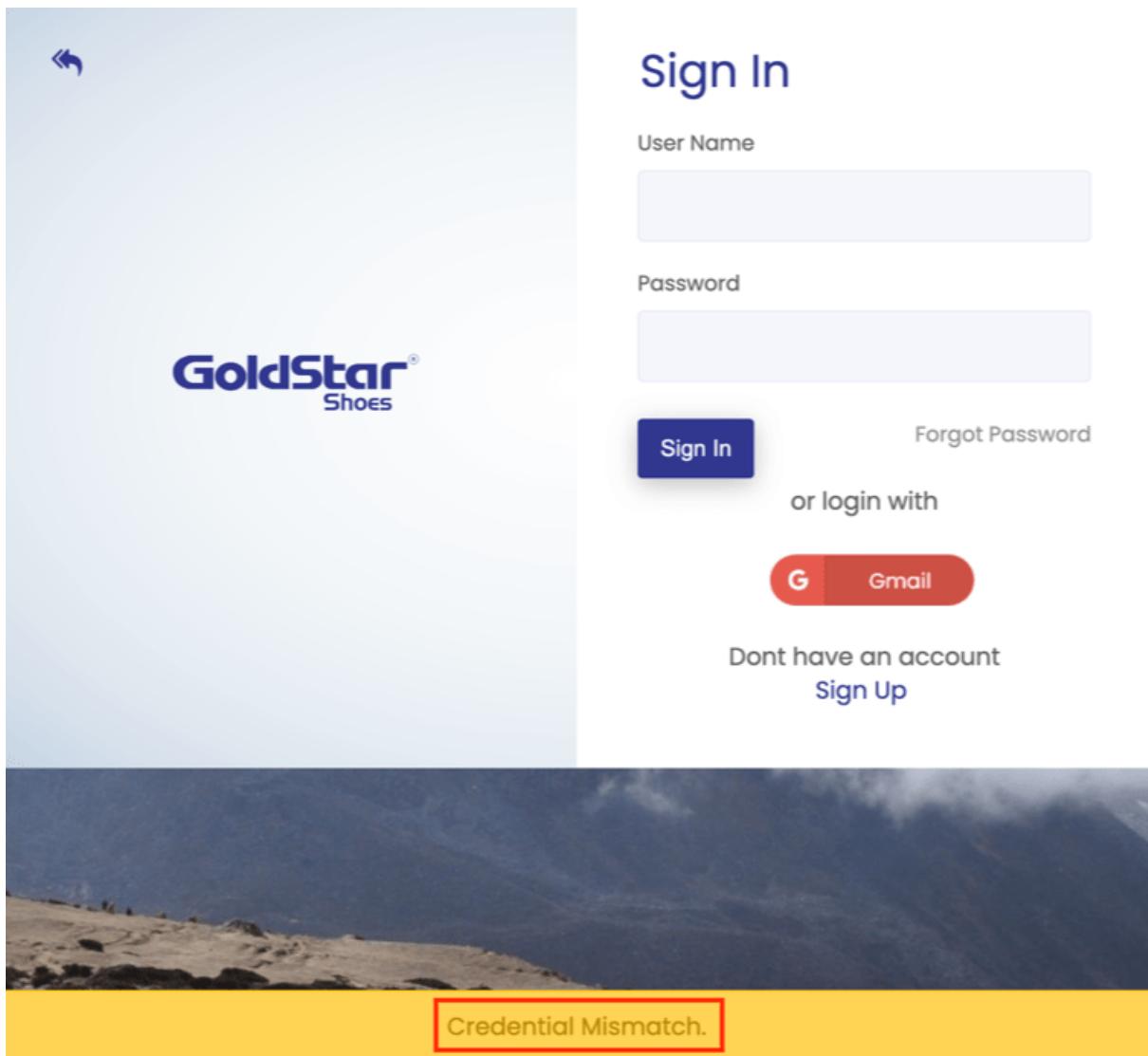
Test Data:

1. URL: <https://www.goldstarshoes.com/>
2. Username : {empty}
3. Password : {empty}

Actual Result: As per expected

Test Status: Pass

Screenshot:



Checking the login authentication with empty username and password



Test ID: test_0008

Objective: Verify that Logged-in counter user can log out successfully

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Sign In
4. Move to Login Page
5. Set the username and password field empty
6. Click on Sign In button
7. The website will not be redirected to the home page
8. Click on the logout button visible on the home page
9. The website should redirect you the Homepage(login page)

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill their username and password in the text box
4. Counter user should be able to press the login button
5. Counter user should be able to redirected to the homepage
6. Counter user should be able to view the Logout Button
7. Counter user should be able to click on the logout button
8. Counter user should be redirected to the login page.

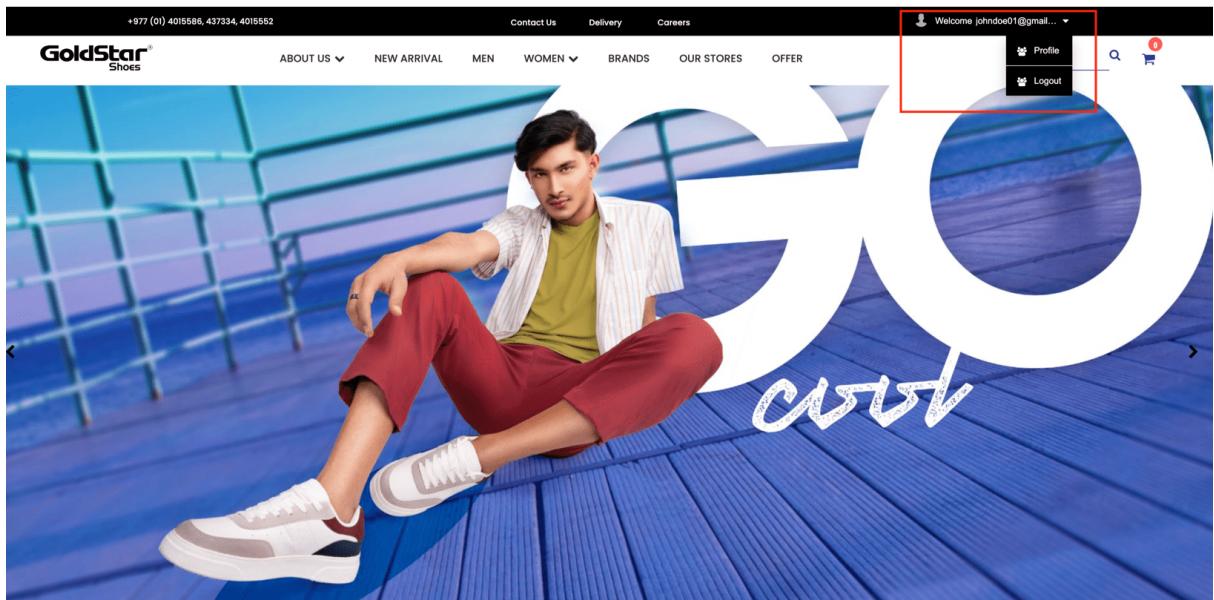
Test Data:

1. URL: <https://www.goldstarshoes.com/>
2. Username : johndoe01@gmail.com
3. Password : Nepali@123

Actual Result: As per expected

Test Status: Pass

Screenshot:



Verify logout button; The Button is un-clickable, hence failing the test

Muncha.com

Registration Page Object

File: [pages/muncha/registration_page.py](#)

```
#IMPORT ALL THE NECESSARY MODULES
from selenium.webdriver.common.by import By
import re
from selenium.webdriver.support.ui import Select

#DEFINE CLASS AS Registration FOR REGISTRATION PAGE OF MUNC
HA

class RegistrationPageMuncha:
    def __init__(self,driver):
        self.driver = driver
```

```

        self.full_name_field = By.XPATH,"//input[@id='Name']"
        self.email_field = By.XPATH,"//input[@id='Email']"
        self.contact_field = By.XPATH,"//input[@id='ContactNo']"
        self.password_field = By.XPATH,"//input[@id='Password']"
        self.confirm_password_field = By.XPATH,"//input[@id='ConfirmPassword']"
        self.hear_about_us_field = (By.ID, 'Referer')
        self.newsletter_checklist = By.XPATH,"//input[@id='accept-email']"
        self.sign_up_button = By.XPATH,"//button[@title='Create an Account']"

    def open_page(self,url):
        self.driver.get(url)
    def enter_fullname(self,fullname):
        self.driver.find_element(*self.full_name_field).send_keys(fullname)

    def enter_email(self, email):
        self.driver.find_element(*self.email_field).send_keys(email)

    def enter_contact(self, contact):
        self.driver.find_element(*self.contact_field).send_keys(contact)

    def enter_password(self,password):
        self.driver.find_element(*self.password_field).send_keys(password)

    def enter_confirm_password(self,confirm_password):
        self.driver.find_element(*self.confirm_password_field).send_keys(confirm_password)

```

```

    def click_hearabout(self):
        referer_dropdown = self.driver.find_element(*self.hear_about_us_field)
        select = Select(referer_dropdown)
        select.select_by_index(1)

    def click_newsletter(self):
        self.driver.find_element(*self.newsletter_checklist).click()

    def click_signup(self):
        self.driver.find_element(*self.sign_up_button).click()

    def is_valid_email(self, email):
        # check the format using Regular Expression(re)
        email_regex = r"^[a-zA-Z0-9_.+-]+@[a-zA-Z0-9-]+\.[a-zA-Z0-9-\.]+\$"
        return re.match(email_regex, email) is not None
    def is_valid_phone(self, phone):
        return bool(re.match(r'^\d{10}\$', phone))

```

Test Case Implementation

File: `run_test1.py`

```

#IMPORT ALL THE NECESSARY MODULES
from selenium import webdriver
from selenium.webdriver.chrome.service import Service as ChromeService
from webdriver_manager.chrome import ChromeDriverManager
import pytest
import time

#IMPORT THE CLASSES FROM THE PAGES
from pages.Muncha.registration_page import RegistrationPage
Muncha

```

```

@pytest.fixture()
def driver():
    #SETTING UP THE CHROME DRIVER MANAGER AS driver
    driver = webdriver.Chrome(service=ChromeService(ChromeDriverManager().install()))
    driver.implicitly_wait(2)
    #YIELD THE DRIVER
    yield driver
    #CLOSE THE DRIVER INSTANCE
    driver.quit()

#RUNNING TEST FUNCTION ON MUNCHA REGISTRATION PAGE
def test_registration_muncha(driver):
    email = "johndoe@gmail.com"
    phone = "9810120230"
    muncha_registration = RegistrationPageMuncha(driver)
    muncha_registration.open_page("https://www.muncha.com/AP/Register")
    driver.maximize_window()
    time.sleep(2)
    muncha_registration.enter_fullname("John Doe")
    time.sleep(1)
    muncha_registration.enter_email(email)
    time.sleep(1)
    muncha_registration.enter_contact(phone)
    time.sleep(1)
    muncha_registration.enter_password("Nepali@123")
    time.sleep(1)
    muncha_registration.enter_confirm_password("Nepali@123")
    time.sleep(1)
    muncha_registration.click_hearabout()
    time.sleep(1)
    muncha_registration.click_newsletter()
    time.sleep(1)
    # muncha_registration.click_signup()
    # time.sleep(3)

```

```
# check the validity of the email
if muncha_registration.is_valid_email(email):
    print(f"The given email: {email} is valid")
else:
    print(f"The given email: {email} is invalid")

# check the validity of the email
if muncha_registration.is_valid_phone(phone):
    print(f"The given email: {phone} is valid")
else:
    print(f"The given email: {phone} is invalid")
```

Authorization Testing of Muncha:



Test ID: test_0009

Objective: Verify that counter user can register an account

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on User Icon
4. Move to Login Page
5. Click on Sign up Link
6. Fill the registration portal with valid user phone number along with the other details
7. Click on Sign up Button
8. The website should be redirected to the dashboard page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Sign Up Page
5. Counter user should be redirected to the Dashboard Page

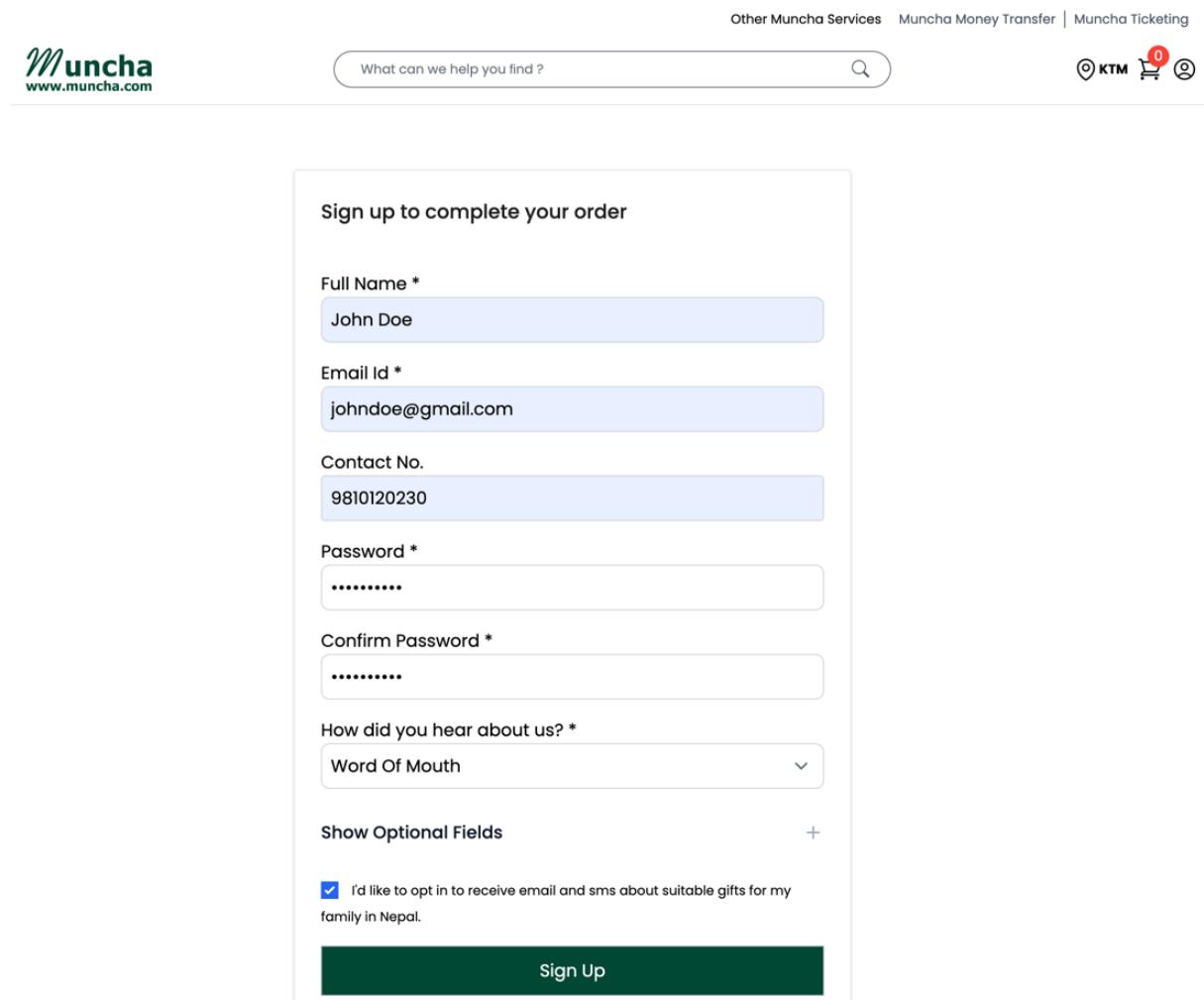
Test Data:

1. URL: <https://www.muncha.com/>
2. Full Name: John Doe
3. Email: johndoe@gmail.com
4. Contact: 9810120230
5. Password: Nepali@123
6. Confirm Password: Nepali@123
7. How did you hear about us: Word of Mouth
8. News letter: accept

Actual Result: As per expected

Test Status: Pass

Screenshot:

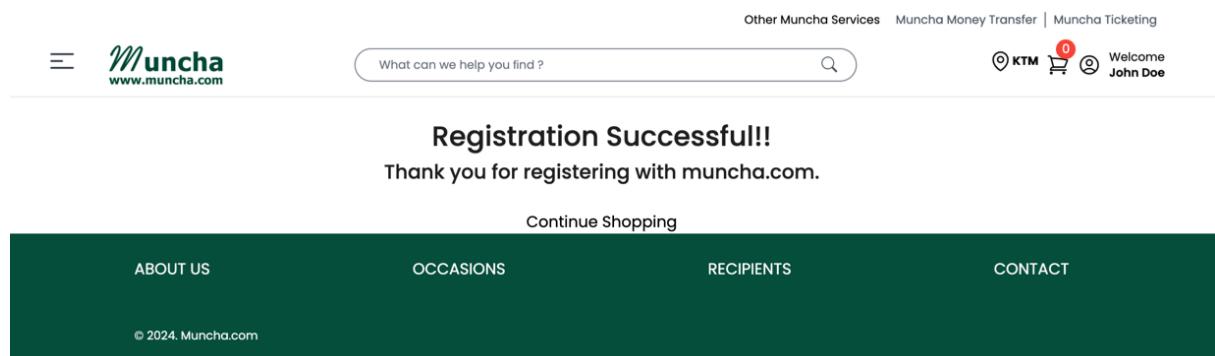


The screenshot shows the Muncha registration form. The user has entered the following information:

- Full Name *: John Doe
- Email Id *: johndoe@gmail.com
- Contact No.: 9810120230
- Password *: (Redacted)
- Confirm Password *: (Redacted)
- How did you hear about us? *: Word Of Mouth
- I'd like to opt in to receive email and sms about suitable gifts for my family in Nepal.

A green "Sign Up" button is at the bottom of the form.

User Input in the Registration Page of Muncha



The screenshot shows the Muncha dashboard. A success message "Registration Successful!! Thank you for registering with muncha.com." is displayed. Below the message are navigation links: "Continue Shopping", "ABOUT US", "OCCASIONS", "RECIPIENTS", and "CONTACT". The footer contains the copyright notice "© 2024, Muncha.com".

Counter user being successfully redirected to the dashboard page of Muncha after registration

Validation Testing of Muncha:



Test ID: test_0010

Objective: Verify that email and phone is validated correctly with correct user input

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on User Icon
4. After clicking on the user icon, the Login page is opened.
5. Click on Sign up link
6. Fill the registration portal with valid email and user phone number along with the other details
7. Click on Sign up Button
8. The console will display message "The given input is valid"

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Sign Up Button
5. Valid Email and Phone Message should be displayed in the console

Test Data:

1. URL: <https://www.muncha.com/>
2. Email: johndoe@gmail.com
3. Phone: 9810120230

Actual Result: As per expected

Test Status: Pass

Screenshot:



```
Tests passed: 1 of 1 test - 18 sec 880 ms
/Users/mac/PycharmProjects/MindRisers/.venv/bin/python /Applications/PyCharm CE.app/Contents/plugins/python-ce/helpers/pycharm/_jb_pytest_runner.py --target=run_test1.py::test_registration_muncha --no-header --no-summary -q in /Users/mac/PycharmProjects/ecommercetesting
Testing started at 14:40 ...
Launching pytest with arguments run_test1.py::test_registration_muncha --no-header --no-summary -q in /Users/mac/PycharmProjects/ecommercetesting
=====
test session starts =====
collecting ... collected 1 item

run_test1.py::test_registration_muncha PASSED
The given email: 9810120230 is valid
[100%]The given email: johndoe@gmail.com is valid

=====
1 passed in 25.34s =====
```

Checking validation of an email and phone in registration page with correct email and phone pattern



Test ID: test_0011

Objective: Verify that Invalid email message is displayed with incorrect user input

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on User Icon
4. After clicking on the user icon, the Login page is opened.
5. Click on Sign up link
6. Fill the registration portal with invalid email and user phone number along with the other details
7. Click on Sign up Button
8. The console will display message "The given input invalid"

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Sign Up Button
5. Invalid Email and Phone Message should be displayed in the console

Test Data:

1. URL: <https://www.muncha.com/>
2. Email: johndoe#gmail.com
3. Phone: 9867546

Actual Result: As per expected

Test Status: Pass

Screenshot:



```

    ✓ Tests passed: 1 of 1 test - 17 sec 391ms
    /Users/mac/PycharmProjects/MindRisers/.venv/bin/python /Applications/PyCharm CE.app/Contents/plugins/python-ce/helpers/pycharm/_jb_pytest_runner.py --target =
    Testing started at 14:43 ...
    Launching pytest with arguments run_test1.py::test_registration_muncha --no-header --no-summary -q in /Users/mac/PycharmProjects/ecommercetesting

    ===== test session starts =====
    collecting ... collected 1 item

    run test1.py::test_registration_muncha PASSED
    The given email: 9867546 is invalid
    [100%]The given email: john Doe@gmail.com is invalid

    ===== 1 passed in 23.29s =====

```

Checking validation of an email and phone in registration page with incorrect email and phone pattern

Login Page Object

File: [pages/muncha/login_page.py](#)

```

#IMPORT ALL THE NECESSARY MODULES
from selenium.webdriver.common.by import By

#DEFINE CLASS AS Login FOR THE LOGIN PAGE OF MUNCHA
class LoginPageMuncha:
    def __init__(self,driver):
        self.driver = driver
        self.email_field = By.XPATH,"//input[@id='Usernam
e']"
        self.user_password_field = By.XPATH,"//input[@id='P
assword']"
        self.signup_button = By.XPATH,"//button[@class='bg-
secondary border border-gray-400 px-4 py-2.5 text-md w-full
text-white']"

    def open_page(self,url):
        self.driver.get(url)

    def enter_userid(self,email_id):
        self.driver.find_element(*self.email_field).send_ke
ys(email_id)

    def enter_user_password(self,password):
        self.driver.find_element(*self.user_password_fiel
d).send_keys(password)

```

```
def click_signup(self):
    self.driver.find_element(*self.signup_button).click
()
```

Test Case Implementation

File: [run_test1.py](#)

```
#IMPORT ALL THE NECESSARY MODULES
from selenium import webdriver
from selenium.webdriver.chrome.service import Service as ChromeService
from webdriver_manager.chrome import ChromeDriverManager
import pytest
import time

#IMPORT THE CLASSES FROM THE PAGES
from pages.Muncha.login_page import LoginPageMuncha

@pytest.fixture()
def driver():
    #SETTING UP THE CHROME DRIVER MANAGER AS driver
    driver = webdriver.Chrome(service=ChromeService(ChromeDriverManager().install()))
    driver.implicitly_wait(2)
    #YIELD THE DRIVER
    yield driver
    #CLOSE THE DRIVER INSTANCE
    driver.quit()

#RUNNING TEST FUNCTION ON MUNCHA LOGIN PAGE
def test_login_muncha(driver, useremail, userpassword):
    muncha_login = LoginPageMuncha(driver)
    muncha_login.open_page("https://www.muncha.com/ap/login")
    driver.maximize_window()
    time.sleep(2)
    muncha_login.enter_userid(useremail)
```

```
time.sleep(1)
muncha_login.enter_user_password(userpassword)
time.sleep(1)
muncha_login.click_signup()
time.sleep(3)
```

Authentication Testing of Muncha



Test ID: test_0012

Objective: Verify that counter user can login with valid username and password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Sign In
4. Move to Login Page
5. Fill the customer login portal with valid user id and password
6. Click on Sign In button
7. The website will be redirected to the home page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill username and password in the text box
4. Counter user should be able to press the login button
5. Counter user should be able to redirected to the homepage

Test Data:

1. URL: <https://www.muncha.com/>
2. Username : johndoe@gmail.com
3. Password : Nepali@123

Actual Result: As per expected

Test Status: Pass

Screenshot:

Sign In
Don't have an account? [Sign up](#)

Email Id *

Password *

[Sign Up](#)

[Forgot Password ?](#)



SAME DAY DELIVERY

NEPAL MADE

OCCASIONS

RECIPIENTS



Checking the login authentication with valid username and password and being redirected to the dashboard



Test ID: test_0013

Objective: Verify that counter user cannot login with valid username and invalid password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Sign In
4. Move to Login Page
5. Fill the customer login portal with valid user id and invalid password
6. Click on Sign In button
7. The website will be redirected to the home page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill their username and password in the text box
4. Counter user should be able to press the login button
5. The website should display Incorrect username or password message

Test Data:

1. URL: <https://www.muncha.com/>
2. Username : johndoe@gmai.com
3. Password : nepali@@123

Actual Result: As per expected

Test Status: Pass

Screenshot:

Sign In
Don't have an account? [Sign up](#)

Email Id *

Password *

Sign Up[Forgot Password ?](#)**Sign In**
Don't have an account? [Sign up](#)

Email Id *

Password *

Sign Up[Forgot Password ?](#)

Checking the login authentication with valid username and invalid password



Test ID: test_0014

Objective: Verify that counter user cannot login with invalid username and valid password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Sign In
4. Move to Login Page
5. Fill the customer login portal with invalid user id and valid password
6. Click on Sign In button
7. The website will be redirected to the home page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill their username and password in the text box
4. Counter user should be able to press the login button
5. The website should display Incorrect username or password message

Test Data:

1. URL: <https://www.muncha.com/>
2. Username : johndai@gmail.com
3. Password : Nepali@123

Actual Result: As per expected

Test Status: Pass

Screenshot:

Sign InDon't have an account? [Sign up](#)

Email Id *

Password *

Sign Up[Forgot Password ?](#)**Sign In**Don't have an account? [Sign up](#)

Email Id *

Password *

Sign Up[Forgot Password ?](#)

Checking the login authentication with valid username and invalid password



Test ID: test_0015

Objective: Verify that counter user cannot login with empty credentials

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Sign In
4. Move to Login Page
5. Set the username and password field empty
6. Click on Sign In button
7. The website will not be redirected to the home page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill their username and password in the text box
4. Counter user should be able to press the login button
5. The website should display "Username and password required" message

Test Data:

1. URL: <https://www.muncha.com/>
2. Username : {empty}
3. Password : {empty}

Actual Result: As per expected

Test Status: Pass

Screenshot:

Sign InDon't have an account? [Sign up](#)**Email Id *****Password *****Sign Up**[Forgot Password ?](#)

Checking the login authentication with empty username and password



Test ID: test_00016

Objective: Verify that Logged-in counter user can log out successfully

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Sign In
4. Move to Login Page
5. Set the username and password field empty
6. Click on Sign In button
7. The website will not be redirected to the home page
8. Click on the logout button visible on the homescreen
9. The website should redirect you the Homepage(login page)

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill their username and password in the text box
4. Counter user should be able to press the login button
5. Counter user should be able to redirected to the homepage
6. Counter user should be able to view the Logout Button
7. Counter user should be able to click on the logout button
8. Counter user should be redirected to the login page.

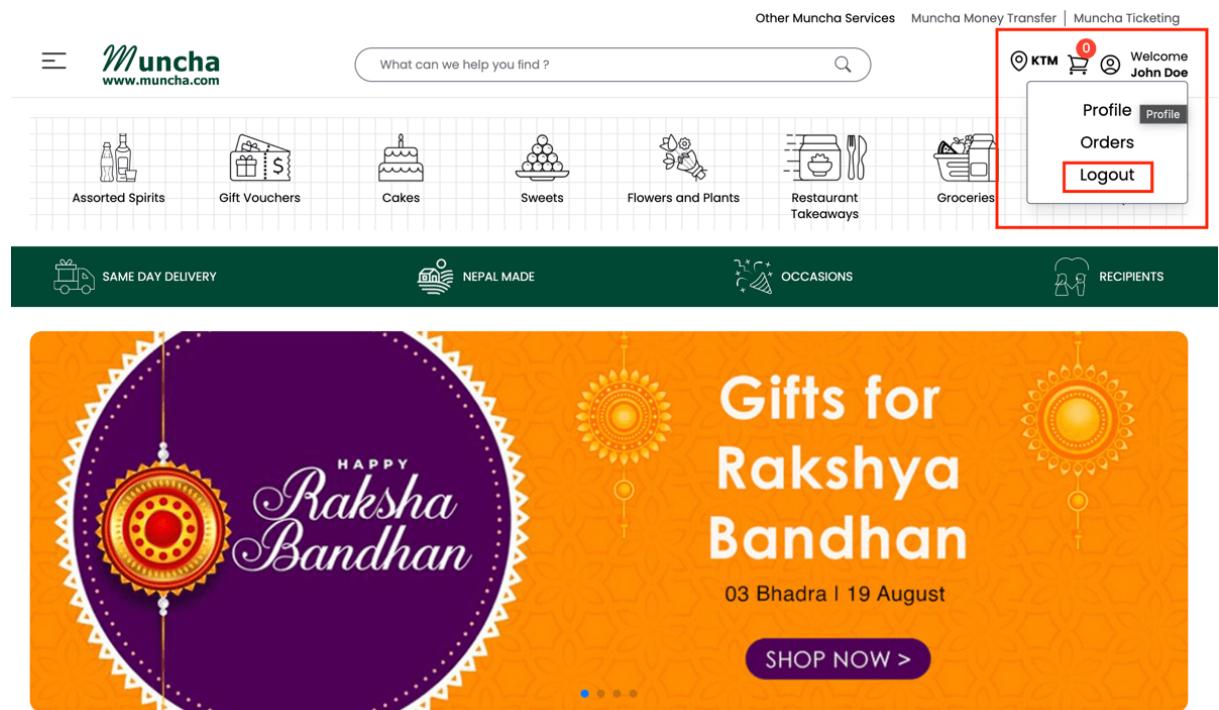
Test Data:

1. URL: <https://www.muncha.com/>
2. Username : johndoe@gmail.com
3. Password : Nepali@123

Actual Result: The Website fails to logout as the logout is not clickable

Test Status: FAIL

Screenshot:





Monday
02 September | 17 Bhadra

Father's Day

Gifts as unique as he is

[shop now](#)



Arrives in time for Father's Day. Send Gifts to Nepal Today



Verify logout button; After clicking the logout button, The website redirects to the homepage

Salt Nepal

Registration Page Object

File: [pages/saltnepal/registration_page.py](#)

```
#IMPORT ALL THE NECESSARY MODULES
from selenium.webdriver.common.by import By
import re

#DEFINE CLASS FOR REGISTRATION PAGE OF SALT NEPAL

class RegistrationPageSalt:
    def __init__(self,driver):
```

```

        self.driver = driver
        self.first_name_field = By.XPATH, "//input[@id='first_name']"
        self.last_name_field = By.XPATH, "//input[@id='last_name']"
        self.email_field = By.XPATH, "//input[@id='email']"
        self.password_field = By.XPATH, "//input[@id='password']"
        self.create_button = By.XPATH, "//input[@value='Create']"

    def open_page(self, url):
        self.driver.get(url)

    def enter_first_name(self, firstname):
        self.driver.find_element(*self.first_name_field).send_keys(firstname)

    def enter_last_name(self, lastname):
        self.driver.find_element(*self.last_name_field).send_keys(lastname)

    def enter_email(self, email):
        self.driver.find_element(*self.email_field).send_keys(email)

    def enter_password(self, password):
        self.driver.find_element(*self.password_field).send_keys(password)

    def click_create(self):
        self.driver.find_element(*self.create_button).click()

    def is_valid_email(self, email):
        # check the format using Regular Expression(re)
        email_regex = r"^[a-zA-Z0-9_.+-]+@[a-zA-Z0-9-]+\.[a-zA-Z0-9_.+-]+"
        if re.match(email_regex, email):
            return True
        else:
            return False

```

```
--zA-Z0-9-.]+$"
    return re.match(email_regex, email) is not None
```

Test Case Implementation

File: [run_test1.py](#)

```
#IMPORT ALL THE NECESSARY MODULES
from selenium import webdriver
from selenium.webdriver.chrome.service import Service as ChromeService
from webdriver_manager.chrome import ChromeDriverManager
import pytest
import time

#IMPORT THE CLASSES FROM THE PAGES
from pages.saltnepal.registration_page import RegistrationPageSalt

@pytest.fixture()
def driver():
    #SETTING UP THE CHROME DRIVER MANAGER AS driver
    driver = webdriver.Chrome(service=ChromeService(ChromeDriverManager().install()))
    driver.implicitly_wait(2)
    #YIELD THE DRIVER
    yield driver
    #CLOSE THE DRIVER INSTANCE
    driver.quit()

#RUNNING TEST FUNCTION ON REGISTRATION PAGE OF SALT NEPAL
def test_registration_salt(driver):
    email = "johndoe@gmail.com"
    salt_registration = RegistrationPageSalt(driver)
    salt_registration.open_page("https://saltnp.com/account/register")
    driver.maximize_window()
    time.sleep(1)
    salt_registration.enter_first_name("John")
```

```
time.sleep(1)
salt_registration.enter_last_name("Doe")
time.sleep(1)
salt_registration.enter_email(email)
time.sleep(1)
salt_registration.enter_password("Nepali@123")
time.sleep(1)
salt_registration.click_create()
time.sleep(1)

# check the validity of the email
if salt_registration.is_valid_email(email):
    print(f"The given email: {email} is valid")
else:
    print(f"The given email: {email} is invalid")
```

Authorization Testing of Salt Nepal:



Test ID: test_00017

Objective: Verify that counter user can register an account

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on "Account" Link
4. After navigating to account link, click on CREATE ACCOUNT
5. Move to Registration Page
6. Fill the registration portal with valid email address along with the other details
7. Click on Create Button
8. Your user account has been registered

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Create Page
5. Counter user should be redirected to the Dashboard Page

Test Data:

1. URL: <https://saltnp.com/>
2. First Name: John
3. Last Name: Doe
4. Email: johndoe@gmail.com
5. Password: Nepali@123
6. Confirm Password: Nepali@123
7. Phone: 9765311717

Actual Result: As per expected

Test Status: Pass

Screenshot:

SHOP ALL LATEST TRENDS! USE CODE: FIRST10

SALT

CLOTHING SHOES BAGS SHOP BY COLLECTION

CREATE ACCOUNT

First Name

Last Name

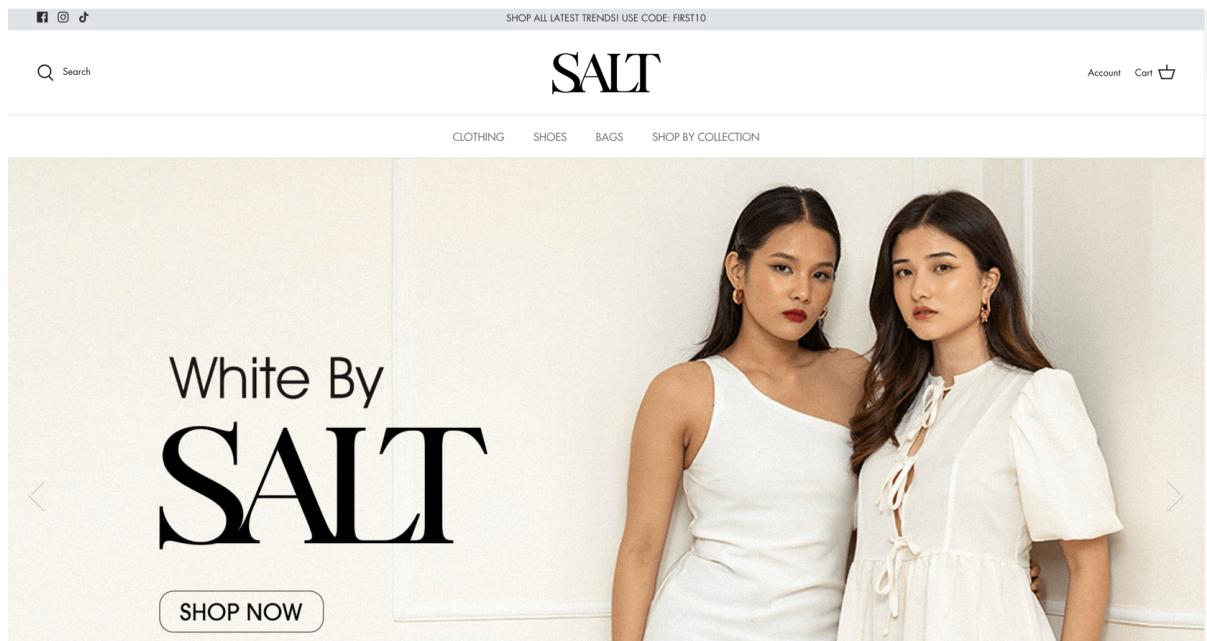
Email

Password

CREATE

[Log in with an existing account](#) or [Return to Store](#)

User input for the Registration of Salt Nepal



Validation Testing of Salt Nepal:



Test ID: test_00018

Objective: Verify that email and phone is validated correctly with correct user input

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Create an Account Link
4. Move to Registration Page
5. Fill the registration portal with valid user email pattern along with the other details
6. Click on Register Button
7. The console will display message "The given email is valid"

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Create An Account Page
5. Valid Email and Phone Message should be displayed in the console

Test Data:

1. URL: <https://saltnp.com/>
2. Email : johndoe@gmail.com

Actual Result: As per expected

Test Status: Pass

Screenshot:

```
✓ Tests passed: 1 of 1 test - 14 sec 235 ms
/Users/mac/PycharmProjects/MindRisers/.venv/bin/python /Applications/PyCharm CE.app/Contents/plugins/python-ce/helpers/pycharm/_jb_pytest_runner.py --target i
Testing started at 14:12 ...
Launching pytest with arguments run_test1.py::test_registration_salt --no-header --no-summary -q in /Users/mac/PycharmProjects/ecommerceTesting
=====
collecting ... collected 1 item

run_test1.py::test_registration_salt PASSED
[100%]The given email: johndoe@gmail.com is valid

=====
1 passed in 19.68s =====
Process finished with exit code 0
```

Checking validation of an email in registration page with correct email pattern



Test ID: test_0019

Objective: Verify that Invalid email and phone number message is displayed with incorrect user input

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Create an Account Link
4. Move to Registration Page
5. Fill the registration portal with invalid user email pattern along with the other details
6. Click on Register Button
7. The console will display message "The given input is invalid"

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the Registration Page
3. Counter user should be able to fill valid user Input in the text box
4. Counter user should be able to press the Create An Account Page
5. Invalid Email and Phone Message should be displayed in the console

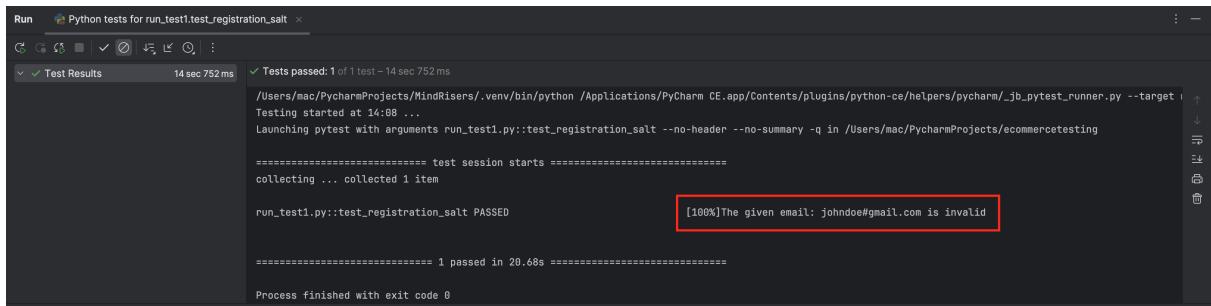
Test Data:

1. URL: <https://saltnp.com/>
2. Email : johndoe#gmail.com

Actual Result: As per expected

Test Status: Pass

Screenshot:



```
Run Python tests for run_test1.test_registration_salt
Test Results 14 sec 752 ms
Tests passed: 1 of 1 test - 14 sec 752 ms
/Users/mac/PycharmProjects/MindRisers/.venv/bin/python /Applications/PyCharm CE.app/Contents/plugins/python-ce/helpers/pycharm/_jb_pytest_runner.py --target
Testing started at 14:08 ...
Launching pytest with arguments run_test1.py::test_registration_salt --no-header --no-summary -q in /Users/mac/PycharmProjects/ecommerceTesting
=====
collecting ... collected 1 item
run_test1.py::test_registration_salt PASSED
[100%] The given email: john Doe@gmail.com is invalid
=====
1 passed in 20.68s =====
Process finished with exit code 0
```

Checking validation of an email in registration page with incorrect email pattern

Login Page Object

File: [pages/saltnepal/login_page.py](#)

```
#IMPORT ALL THE NECESSARY MODULES
from selenium import webdriver
from selenium.webdriver.chrome.service import Service as ChromeService
from webdriver_manager.chrome import ChromeDriverManager
import pytest
import time

#IMPORT THE CLASSES FROM THE PAGES
from pages.saltnepal.login_page import LoginPageSalt

@pytest.fixture()
def driver():
    #SETTING UP THE CHROME DRIVER MANAGER AS driver
    driver = webdriver.Chrome(service=ChromeService(ChromeDriverManager().install()))
    driver.implicitly_wait(2)
    #YIELD THE DRIVER
    yield driver
    #CLOSE THE DRIVER INSTANCE
    driver.quit()

#Testing the different login credentials using Parameterization of Salt Nepal
@pytest.mark.parametrize("useremail,userpassword", [
    ("johndoe@gmail.com", "Nepali@123"),
    ("johndoe@gmail.com", "invalid@123"),
])
```

```

        ("johndai@gmail.com", "Nepali@123"),
        ("", "")
    ])

#RUNNING TEST FUNCTION ON SOCHEKO REGISTRATION PAGE
def test_login_salt(driver, useremail, userpassword):
    salt_login = LoginPageSalt(driver)
    salt_login.open_page("https://saltnp.com/account/login")
    driver.maximize_window()
    time.sleep(1)
    salt_login.enter_useremail(useremail)
    time.sleep(1)
    salt_login.enter_password(userpassword)
    time.sleep(1)
    salt_login.click_signin()
    time.sleep(3)

    # check if the username or password is incorrect
    try:
        alert = driver.switch_to.alert
        alert_text = alert.text
        assert "Invalid username or password" in alert_text
        print(f"Invalid username or password for {useremail}")
    except:
        time.sleep(2)
        page_source = driver.page_source
        if "Welcome to the Dashboard" in page_source:
            print(f"Valid Username or Password for user: {useremail}")
        else:
            print("Unexpected Error!! Please try again later!")

```

Test Case Implementation

Authentication Testing of Salt Nepal:



Test ID: test_0020

Objective: Verify that counter user can login with valid username and password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Account Link
4. Move to Login Page
5. Fill the customer login portal with valid user id and valid password
6. Click on Sign In button
7. The website will be redirected to the Account Profile

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill their username and password in the text box
4. Counter user should be able to press the Sign In button
5. Counter user should be able to redirected to the Account Profile

Test Data:

1. URL: <https://saltnp.com/>
2. Username : johndoe@gmail.com
3. Password : Nepali@123

Actual Result: As per expected

Test Status: Pass

Screenshot:

The screenshot shows the login page of the SALT website. At the top, there is a grey banner with the text "SHOP ALL LATEST TRENDS! USE CODE: FIRST10". Below the banner, the SALT logo is prominently displayed. A horizontal navigation bar follows, featuring links for "CLOTHING", "SHOES", "BAGS", and "SHOP BY COLLECTION". The main content area is titled "LOGIN". It contains two input fields: one for "Email" with the placeholder "johndoe@gmail.com" and another for "Password" with placeholder dots and a "Forgot your password?" link. At the bottom, there is a "SIGN IN" button and a "Create account" link.

SHOP ALL LATEST TRENDS! USE CODE: FIRST10

SALT

CLOTHING SHOES BAGS SHOP BY COLLECTION

LOGIN

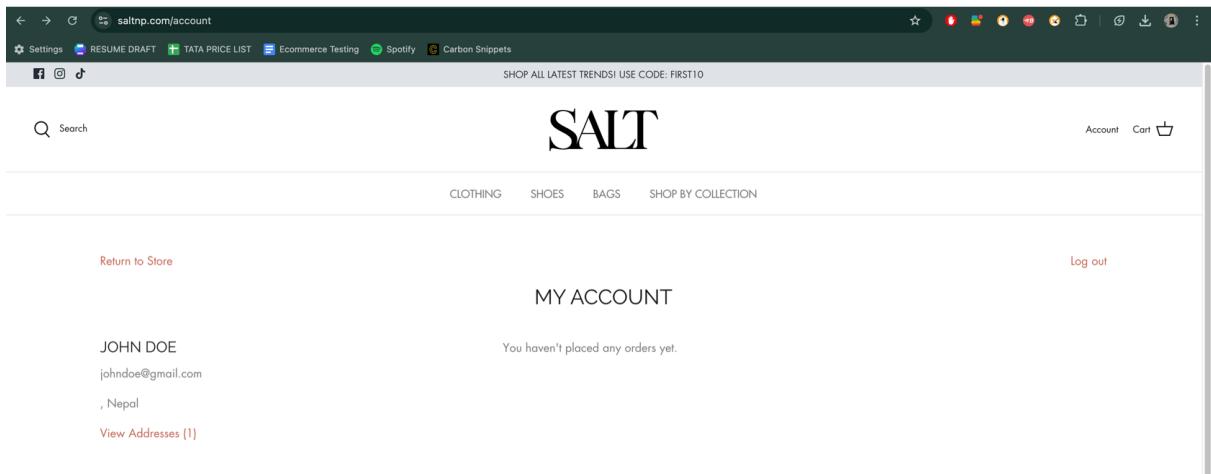
Email

Password

[Forgot your password?](#)

[SIGN IN](#)

[Create account](#)



The screenshot shows a web browser window for the SALTNP.com account page. The URL in the address bar is `saltnp.com/account`. The page header includes the SALT logo, a search bar, and navigation links for CLOTHING, SHOES, BAGS, and SHOP BY COLLECTION. A top navigation bar has tabs for Settings, RESUME DRAFT, TATA PRICE LIST, E-commerce Testing, Spotify, and Carbon Snippets. A promotional banner at the top right says "SHOP ALL LATEST TRENDS! USE CODE: FIRST10". On the left, there's a sidebar with "Return to Store" and "MY ACCOUNT" sections. The "MY ACCOUNT" section displays user information: JOHN DOE, johndoe@gmail.com, and a location in Nepal. It also shows a message: "You haven't placed any orders yet." and a link to "View Addresses [1]". On the right, there are "Account" and "Cart" links. A "Log out" link is located at the bottom right of the page.

Checking the login authentication with valid username and password and being redirected to the dashboard



Test ID: test_0021

Objective: Verify that counter user cannot login with valid username and valid password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Account Link
4. Move to Login Page
5. Fill the customer login portal with valid user id and invalid password
6. Click on Sign In button
7. The website will be redirected to the home page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill username and password in the text box
4. Counter user should be able to press the Sign In button
5. The website should display Incorrect username or password message

Test Data:

1. URL: <https://saltnp.com/>
2. Username : johndoe@gmail.com
3. Password : nepali@@123

Actual Result: As per expected

Test Status: Pass

Screenshot:

SHOP ALL LATEST TRENDS! USE CODE: FIRST10

SALT

CLOTHING

SHOES

BAGS

SHOP BY COLLECTION

LOGIN

Email

johndoe@gmail.com

Password

••••••••••

[Forgot your password?](#)

[SIGN IN](#)

[Create account](#)

SHOP ALL LATEST TRENDS! USE CODE: FIRST10

SALT

CLOTHING SHOES BAGS SHOP BY COLLECTION

LOGIN

Incorrect email or password.

Email

Password

Forgot your password?

[SIGN IN](#)

[Create account](#)

Checking the login authentication with valid username and invalid password



Test ID: test_0022

Objective: Verify that counter user cannot login with invalid username and valid password

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Account Link
4. Move to Login Page
5. Fill the customer login portal with invalid user id and valid password
6. Click on Sign In button
7. The website will be redirected to the home page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill username and password in the text box
4. Counter user should be able to press the Sign In button
5. The website should display Incorrect username or password message

Test Data:

1. URL: <https://saltnp.com/>
2. Username : johndai@gmail.com
3. Password : Nepali@123

Actual Result: As per expected

Test Status: Pass

Screenshot:

SHOP ALL LATEST TRENDS! USE CODE: FIRST10

SALT

CLOTHING

SHOES

BAGS

SHOP BY COLLECTION

LOGIN

Email

johndai@gmail.com

Password

[Forgot your password?](#)

[SIGN IN](#)

[Create account](#)

SHOP ALL LATEST TRENDS! USE CODE: FIRST10

SALT

CLOTHING SHOES BAGS SHOP BY COLLECTION

LOGIN

Incorrect email or password.

Email

Password

Forgot your password?

[SIGN IN](#)

[Create account](#)

Checking the login authentication with invalid username and valid password



Test ID: test_0023

Objective: Verify that counter user cannot login with empty credentials

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Account Link
4. Move to Login Page
5. Set the username and password field empty
6. Click on Sign In button
7. The website will be redirected to the home page

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to set empty username and password
4. Counter user should be able to press the Sign In button
5. The website should display "Username and password required" message

Test Data:

1. URL: <https://saltnp.com/>
2. Username : {empty}
3. Password : {empty}

Actual Result: As per expected

Test Status: Pass

Screenshot:

SHOP ALL LATEST TRENDSI USE CODE: FIRST10

SALT

CLOTHING

SHOES

BAGS

SHOP BY COLLECTION

LOGIN

Incorrect email or password.

Email

Password

Forgot your password?

SIGN IN

Create account

Checking the login authentication with empty username and password



Test ID: test_0024

Objective: Verify that Logged-in counter user can log out successfully

Test Steps:

1. Launch the website URL
2. Navigate to homepage
3. Click on Account Link
4. Move to Login Page
5. Fill the customer login portal with valid user id and valid password
6. Click on Sign In button
7. The website will be redirected to the Account Profile page
8. Click on the logout button visible on the current page
9. The website should redirect you the Homepage

Expected Result:

1. Counter user should be able to launch the website URL
2. Counter user should be able to navigate to the login page
3. Counter user should be able to fill their username and password in the text box
4. Counter user should be able to press the Sign In button
5. Counter user should be able to redirected to the Account Profile Page
6. Counter user should be able to view the Logout Button
7. Counter user should be able to click on the logout button
8. Counter user should be redirected to the Home page.

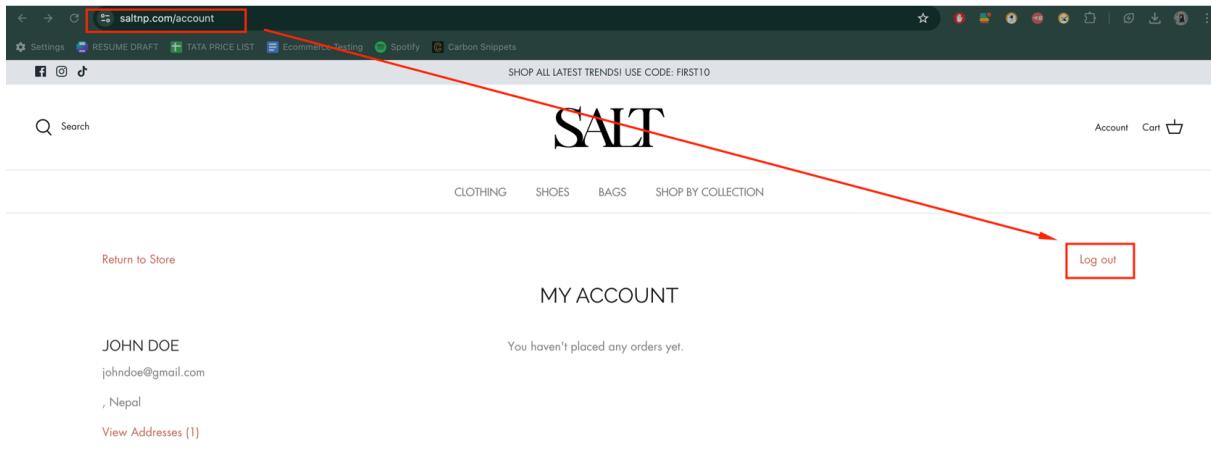
Test Data:

1. URL: <https://saltnp.com/>
2. Username : johndoe@gmail.com
3. Password : Nepali@123

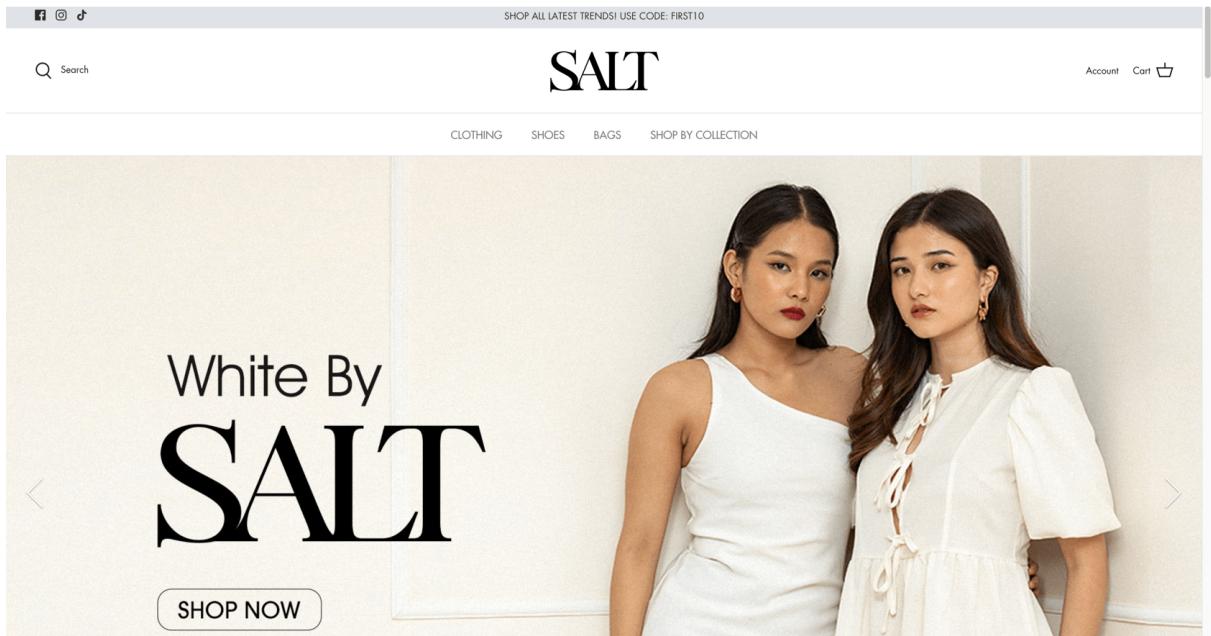
Actual Result: As per expected

Test Status: Pass

Screenshot:



A screenshot of a web browser displaying the SALT account page. The URL in the address bar is `saltnp.com/account`. The page features a navigation bar with links for Settings, RESUME DRAFT, TATA PRICE LIST, Economic Testing, Spotify, and Carbon Snippets. A promotional banner at the top says "SHOP ALL LATEST TRENDS! USE CODE: FIRST10". The main content area is titled "MY ACCOUNT". It shows a user profile for "JOHN DOE" with the email `johndoe@gmail.com` and the location "Nepal". A message states "You haven't placed any orders yet." and a link "View Addresses [1]" is provided. At the bottom right of the account section, a red box highlights the "Log out" button. The browser's toolbar and status bar are visible at the top and bottom of the screenshot.



A screenshot of the SALT homepage. The URL in the address bar is `saltnp.com`. The page features a navigation bar with links for Settings, RESUME DRAFT, TATA PRICE LIST, Economic Testing, Spotify, and Carbon Snippets. A promotional banner at the top says "SHOP ALL LATEST TRENDS! USE CODE: FIRST10". The main content area features a large image of two women in white dresses. To the left of the image, the text "White By SALT" is displayed. Below the image is a "SHOP NOW" button. The browser's toolbar and status bar are visible at the top and bottom of the screenshot.

Verify logout button; After clicking the logout button, The website redirects to the homepage

Conclusion

This document provides a detailed guide for testing the Authorization, Validation, and Authentication testing of an e-commerce web application using Selenium and the Page Object Model (POM) in Python. The implementation includes test cases with respective code snippets and screenshots of the test

executions. By following this approach, you can ensure that your application is secure, functional, and user-friendly.