

COMPLETE SOFTWARE TESTING SOLUTION

AUTOMATION EXERCISE

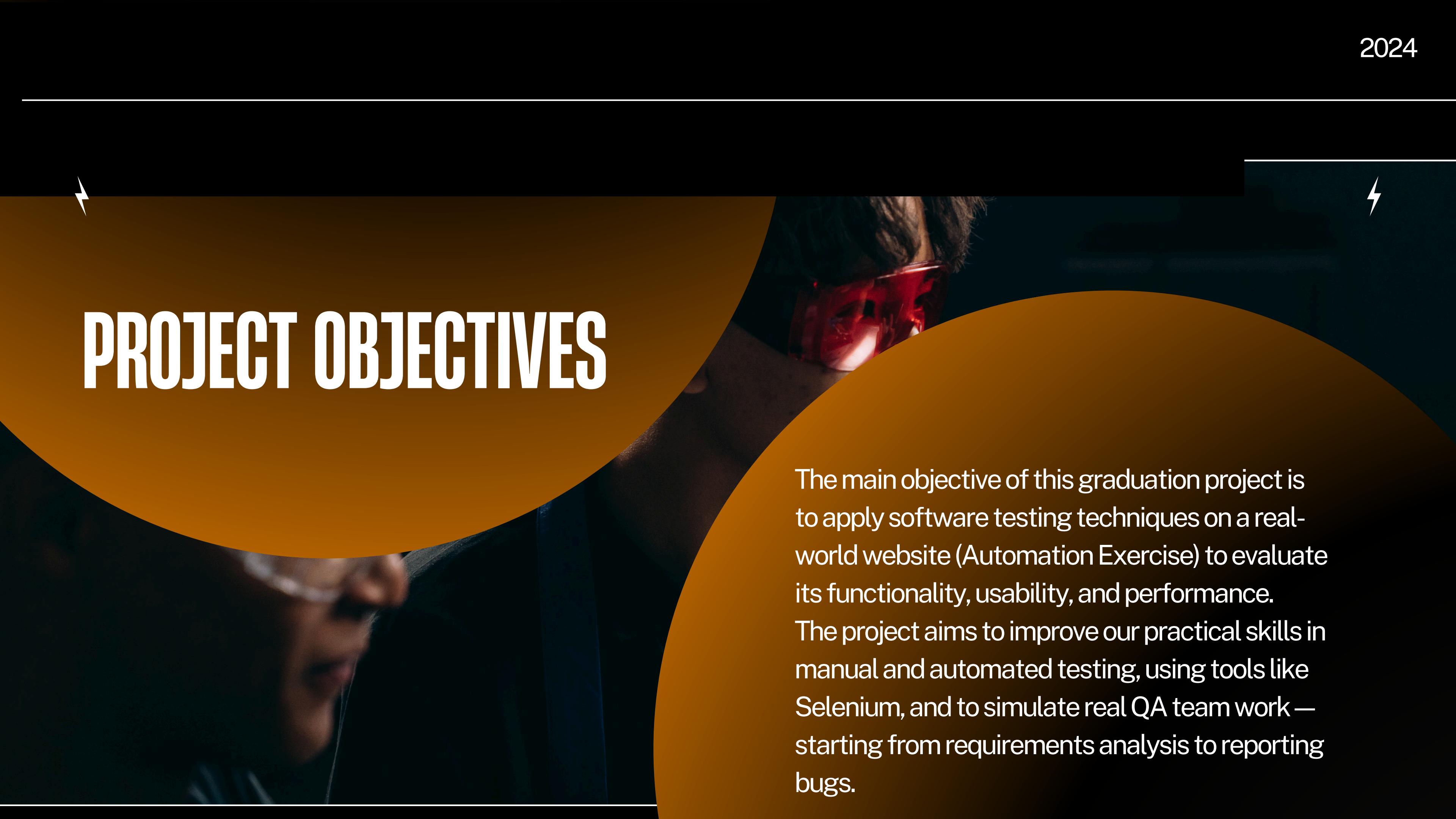
Introduction – Testing the Automation Exercise Website

Automation Exercise is a demo e-commerce website that showcases a variety of fashion products such as t-shirts, pants, and dresses. In our project, we used this website to test key features like user login, product search, adding items to the cart, and placing orders.

We applied different testing techniques, including writing test cases, identifying and reporting bugs, and using Selenium for automation to evaluate the website's quality.

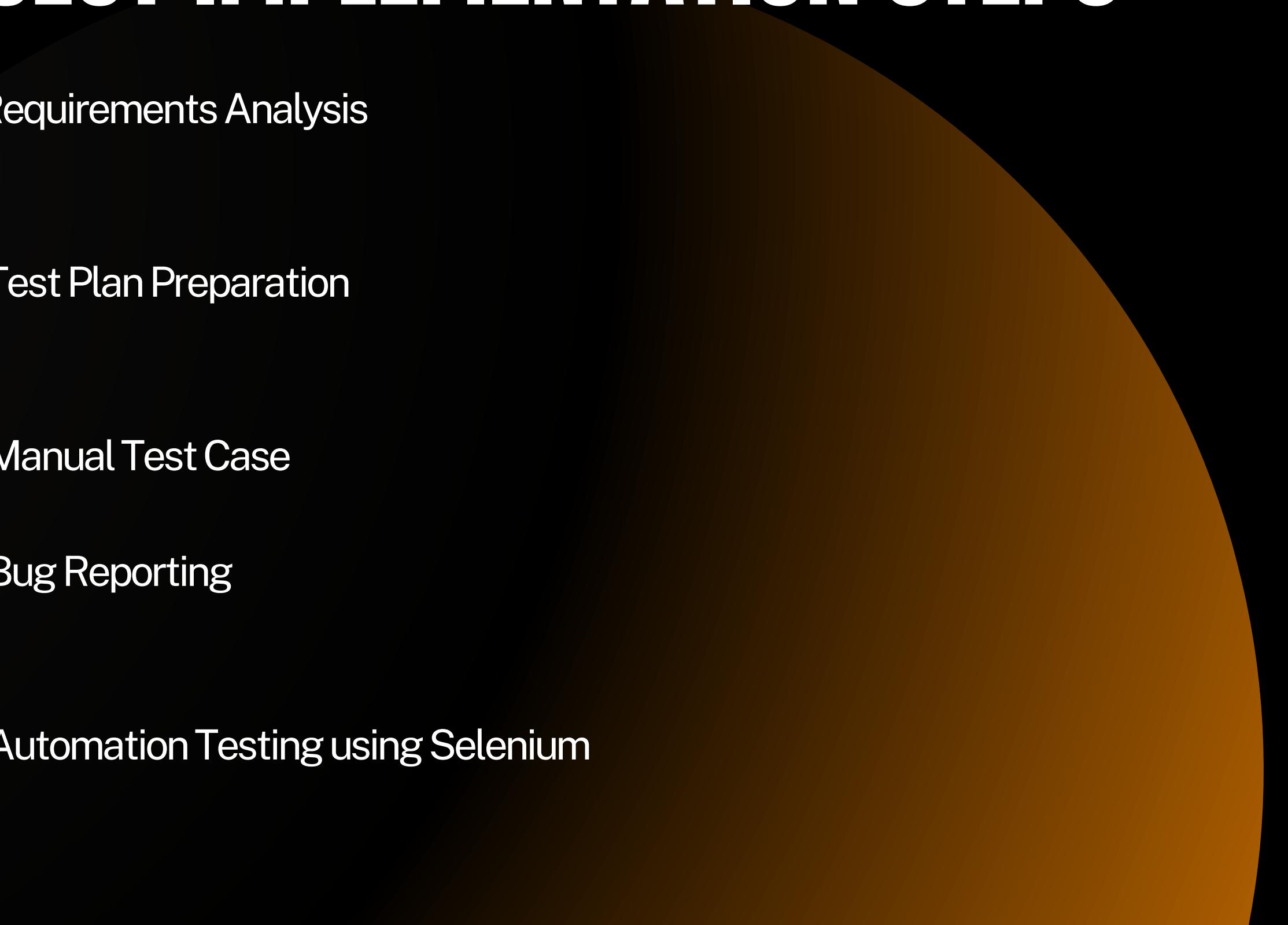
The screenshot shows the homepage of the Automation Exercise website. At the top, there is a navigation bar with links for Home, Products, Cart, Signup / Login, Test Cases, Video Tutorials, and Contact us. Below the navigation bar, the website's logo 'Automation Exercise' is displayed. The main heading reads 'AutomationExercise Full-Fledged practice website for Automation Engineers'. A descriptive text states: 'All QA engineers can use this website for automation practice and API testing either they are at beginner or advance level. This is for everybody to help them brush up their automation skills.' There are two green buttons: 'Test Cases' and 'APIs list for practice'. To the right of the text, there is a photograph of a woman holding several shopping bags, symbolizing e-commerce. At the bottom, there are sections for 'CATEGORY' and 'FEATURES ITEMS'.

PROJECT OBJECTIVES

A close-up photograph of a person's face, focusing on their eyes and forehead. They are wearing dark sunglasses with a distinct red tint. The background is dark, suggesting a low-light environment or a night scene. The overall mood is mysterious and focused.

The main objective of this graduation project is to apply software testing techniques on a real-world website (Automation Exercise) to evaluate its functionality, usability, and performance. The project aims to improve our practical skills in manual and automated testing, using tools like Selenium, and to simulate real QA team work – starting from requirements analysis to reporting bugs.

PROJECT IMPLEMENTATION STEPS

- 
1. Requirements Analysis
 2. Test Plan Preparation
 3. Manual Test Case
 4. Bug Reporting
 5. Automation Testing using Selenium



TEAM MEMBERS

Team Members

We are a team of software testing trainees who collaborated to complete this graduation project. Each member contributed to different phases of the project, from manual testing to automation.

Team Members :

- 1- Abdulrahman Ibrahim Abdeltwab
- 2- Ahmad Maher Abdellatif
- 3- Ammar Yasser Mohamed
- 4- Abdelmaseeh Romany Fahmy
- 5- George Wagih Mansour
- 6- Malak Ismail Mohamed

TASK DISTRIBUTION

Abdulrahman Ibrahim Abdeltwab :

Manual Test Case :view product - payment

Automation Testing :Add To Card

Bug Reporting: Id:22,23,24,25,26,28,29 ,30

A	B	C	D	E	F	G	H	I	J
Test Case ID	Test Scenario	Test Case	Pre-Condition	Test Steps	Test Objective	Test Data	Expected Results	Actual Results	Pass / Fail
P001	Verify Name on card	ValidNameOnCard	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the name on card in his field	Name on card must be character only	Name:Character	System accepts the Name	System accepts the Name	Pass
P002	InvalidNameOnCard	BlankNameOnCard	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the name on card in first character Space, special character, numbers in his field	Name on card cannot Contains first character Space, special character, numbers	Name:First character Space, special character, numbers	System not accepts the Name	System accepts first character Space, special character, numbers	Fail
P003	BlankNameOnCard	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-Leave name as cardfield	Name on Card contains a blank	Name:blank	Name:blank	System displays error message indicating "Name on card Required"	System displays error message indicating "Name on card Required"	Pass
P004	Verify Card Number	ValidCardNumber	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the Cardnumber in his field	Cardnumber must be number only	Cardnumber:numbers	System accepts the Cardnumber	System accepts the Cardnumber	Pass
P005	InvalidCardNumber	BlankCardNumber	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the Cardnumber in first character Space, special character, characters in his field	Cardnumber cannot Contains first character Space, special characters, characters	Cardnumber:First character Space, Cardnumber:special, Cardnumber:characters	System not accepts the Cardnumber	System accepts the Cardnumber	Fail
P006	BlankCardNumber	BlankCardNumber	User must be registered first and having products in his cart	1-Select product from Product page 2-click button "process To Checkout" 3-click button "Place order" 4-Leave Card number field	Cardnumber cannot be blank	Cardnumber:blank	System displays error message indicating "Cardnumber Required"	System displays error message indicating "Cardnumber Required"	Pass
P007	Verify CVO	ValidCVO	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the CVO number in his field	CVO number must be 3 numbers exactly	CVO:3numbers	System accepts the CVO number	System accepts the CVO number	Pass
P008	InvalidCVO	BlankCVO	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the CVO number in first character Space, special character, character, not exactly 3 numbers, Spacer in his field	CVO number cannot Contains first character Space, special character, character, not exactly 3 numbers, Spacer	CVO:First character Space, CVO:special character, not exactly 3 numbers	System not accepts the CVO number	System accepts the CVO number	Fail
P009	BlankCVO	BlankCVO	User must be registered first and having products in his cart	1-Select product from Product page 2-click button "process To Checkout" 3-click button "Place order" 4-Click button "CVO field"	CVO cannot be blank	CVO:blank	System displays error message indicating "CVO is Required"	System displays error message indicating "Please fill out this field"	Pass
P010	Verify Expiration Month	ValidExpirationMonth	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the Expiration Month in his field	Expiration Month must be number from the 12	Expiration:Month:19	System accepts the Expiration Month number	System accepts the Expiration Month number	Pass
P011	InvalidExpirationMonth	BlankExpirationMonth	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the Expiration Month Contains first character, character, not in range 1to 12, Spacer in his field	Expiration:Month:cannot Contains first character, character, not in range 1to 12, Spacer	Expiration:Month:First character, character, not in range 1to 12, Spacer	System not accepts the Expiration Month	System accepts the Expiration Month	Fail
P012	BlankExpirationMonth	BlankExpirationMonth	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-Leave Expiration Month field	Expiration:Month:cannot be blank	Expiration:Month:blank	System displays error message indicating "Expiration Month Required"	System displays error message indicating "Please fill out this field"	Pass
P013	Verify Expiration Year	ValidExpirationYear	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the Expiration Year in his field	Expiration:Year must be number from current year to positive infinity	Expiration:Year:1999	System accepts the Expiration Year number	System accepts the Expiration Year number	Pass
P014	InvalidExpirationYear	BlankExpirationYear	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-put the Expiration Year Contains first character, character, not in range current year to positive infinity, Spacer, first character space in his field	Expiration:Year:cannot Contains first character, character, not in range current year to positive infinity, Spacer, first character space	Expiration:Year:First character, character, not in range current year to positive infinity, Spacer, first character space	System not accepts the Expiration Year number	System accepts the Expiration Year number	Fail
P015	BlankExpirationYear	BlankExpirationYear	User must be registered first and having products in his cart	1-Gate contains 2-click button "process To Checkout" 3-click button "Place order" 4-Leave Expiration Year field	Expiration:Year:cannot be blank	Expiration:Year:blank	System displays error message indicating "Expiration Year Required"	System displays error message indicating "Please fill out this field"	Pass
P016	Verify Payment	EnterValidWithNewPayment	User must be registered first	1-Gate "Process" 2-Click "New Payment" 3-Enter Valid Credit Card number field 4-Enter Valid CVV field 5-Enter Valid Expiry Date field 6-Enter Billing Zip and City field	Enter Valid With New Payment	New:Character Credit:Numbers CVV:Numbers Expiry:Numbers	System accepts the Billing Zip and City field System accepts the Credit Card number field System accepts the CVV field	System accepts the Billing Zip and City field System accepts the Credit Card number field	Pass
P017	WrongFieldsEntered	GeneralFieldsEntered	User must be registered first	1-Gate "Process" 2-Click "New Payment" 3-Enter Invalid Credit Card number field 4-Enter Invalid CVV field 5-Enter Invalid Expiry Date field	Fields are not valid or Associated in SRS document	Fields:Character	System will display all fields with display off	System will display all fields with display off	Pass

A	B	C	D	E	F	G	H	I
Test Case ID	Test Scenario	Test Cases	Test Steps	Test Objective	Test Data	Expected Result	Actual Result	Pass / Fail
VP01	Verify view product	Valid view product	1- Go to "Products" Page 2- Go to "view product" 3-Press click.	Items Button is Works	Press on view product Items	Navigate to Correct page	Clicking the Button Navigates the user to the expected page.	Pass
VP02	Verify add to cart	Valid add to cart	1- Go to "Products" Page 2- Go to "Add to cart" 3-Press click.	Items Button is Works	Press on add to cart Items	Navigate to Correct page	Clicking the Button Navigates the user to the expected page.	Pass
VP03	Verify Quantity	Valid Cart	1. Open https://automationexercise.com/ 2. Select any product from the homepage or search for a product. 3. Click on the product to open the Product Details Page. 4. Click the "Add to Cart" button. 5. After that click the view item button.	1.Check that the quantity is correct 2. Verify if you can add the quantity 3.Check if the quantity can be reduced	1. Quantity : (Quantity)— Correct and matches user details 2. try add positive numbers for quantity 3.try reducing positive numbers for quantity	1. The quantity displayed in the cart should match the quantity added by the user. 2. Increasing the quantity should update the cart correctly. 3. Decreasing the quantity should update the cart or remove the product if the quantity reaches 0. 4. The system should not allow adding negative quantities.	System allows entering negative quantities.	Fail
VP04	Verify name field	valid name	1- Go to product page 2- choose product and click view product 3- put valid name in name valid	Name must be Characters only	Name : Characters	System accepts the Name	System accepts the Name	Pass
VP05		invalid name	1- Go to product page 2- choose product and click view product 3- put invalid	Name cannot Contain First character Space , special characters , numbers	Name : First character Space Name : special characters Name : numbers	System not accepts the Name	System accepts First character Space , special characters , numbers	Fail
VP06		blank name	1- Go to product page 2- choose product and click view product 3- leave name field blank	Name cannot be blank	Name : blank	System display error Message indicating "Name is Required"	System display error Message "please fill out this field"	Pass
VP07	Verify Email field	validEmail	1- Go to product page 2- choose product and click view product 3- put valid Email in Email field	Email field Should accepts valid Email	Email : valid Email	System accept the Email	System accept the Email	Pass
VP08		invalidEmail	1- Go to product page 2- choose product and click view product 3- put invalid Email in Email field	Email field Should not accepts invalid Email	Email : invalid Email	System not accept the Email	System accept the Email with out top level domain	Fail
VP09		Blank Email	1- Go to product page 2- choose product and click view product 3- leave Email field blank	Email canot be blank	Email : blank	System display error Message indicating "Email is Required"	System display error "Please fill out this field"	Pass
VP10	verify Review field	valid review	1- Go to product page 2- choose product and click view product 3- put valid Review	Review field should Accepts characters , special characters , spaces , numbers	Review : characters , special characters , spaces , numbers	System accept the Review	System accept the Review	Pass
VP11		Blank review	1- Go to product page 2- choose product and click view product 3- leave Review field blank	Review field can not be blank	Review : Blank	System display error Message indicating "Review is Required"	System display error Message "please fill out this field"	Pass

TASK DISTRIBUTION



Ahmad Maher Abdellatif :

Manual Test Case : Login- SignUp- Account information

Automation Testing : Login -SignUp- Account information-contact us

Bug Reporting : Id: 1:16

C5	A	B	C	D	E	F	G	H	I	J	K	L	M
	Test Case ID	Test Scenario	Test Cases	Test Steps	Test Objective	Test Data	Expected Result	Actual Result		Pass / Fail			
	SF01	Verify Customer Name Field	Valid Name	1- Go to Sign Up A * Page 2- Enter Valid Name field 3- Press TAB and move to next Field	Name must be character	Name :character	System accept the Name	System accept the Name		Pass			
	SF02		InValid Name	1- Go to Sign Up A * Page 2- Enter InValid Name field 3- Press TAB and move to next Field	Name cannot be start with Special character and Space , cannot contain Special character and Number	Name : Start Number	System display error	System accept without error		Fail			
	SF03		Blank Name	1- Go to Sign Up A * Page 2- Enter Blank field field 3- Press TAB and move to next Field	Name can't be blank	Name :	System display error "Please fill out this field"	System display error "Please fill out this field"		Pass			
	SF04	Verify Email Field	Valid Email	1- Go to Sign Up A * Page 2- Enter Valid Email field 3- Press TAB and move to next Field	Email valid Email	Email : valid Email	System accept the Email	System accept the Email without top level domain		Pass			
	SF05		InValid Email	1- Go to Sign Up A * Page 2- Enter InValid Email field 3- Press TAB and move to next Field	Email cannot be start Number , Special character and Space , can not have Space ,	Email : Start Number character	System display error	System donot display error		Fail			
	SF06		Blank Email	1- Go to Sign Up A * Page 2- Enter Blank Email field field 3- Press TAB and move to next Field	Email can't be blank	Email :	System display error "Please fill out this field"	System display error "Please fill out this field"		Pass			
	SF07	Verify Sign Up	Enter fields with new User	1- Go to Sign Up A * Page 2- Enter InValid Name field field 3- Enter Valid Email field 4- Press Signup	Enter Valid data with new user	Name :character	System Move to Register Page			Pass			
	SF08		Enter fields with Exist User	1- Go to Sign Up A * Page 2- Enter InValid Name field field 3- Enter Valid Email field 4- Press Signup	Enter Valid data with Exist user	Name :character	System display error "Email Address already exist!"			Pass			

Activate Windows
Go to Settings to activate Windows.

A	B	C	D	E	F	G	H	I	J
Defect #	Status	Raised By	Tested on Version	Test Case ID	Steps to Reproduce	Expected Result	Actual Result	Priority	Severity
1	Open	Ahmed Maher	V1	SF02	1- Go to Sign Up A * Page 2- Enter InValid Name field field 3- Press TAB and move to next Field	System display error	System accept without error	Medium	High
2	Open	Ahmed Maher	V1	SF05	1- Go to Sign Up A * Page 2- Enter InValid Email field field 3- Press TAB and move to next Field	System display error	System accept without error	Medium	High
3	Open	Ahmed Maher	V1	AF04	1- Go to " Account Information " Page 2- Enter InValid Name field field 3- Press TAB and move to next Field	System display error	System accept without error	Medium	High
4	Open	Ahmed Maher	V1	AF12	1- Go to " Account Information " Page 2- Enter InValid Name field field 3- Press TAB and move to next Field	System display error	System accept without error	Medium	High
5	Open	Ahmed Maher	V1	AF15	1- Go to " Account Information " Page 2- Enter InValid Name field field 3- Press TAB and move to next Field	System display error	System accept without error	Medium	High
6	Open	Ahmed Maher	V1	AF18	1- Go to " Account Information " Page 2- Enter In Valid Address field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
7	Open	Ahmed Maher	V1	AF24	1- Go to " Account Information " Page 2- Enter Invalid Company field field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
8	Open	Ahmed Maher	V1	AF29	1- Go to " Account Information " Page 2- Enter Invalid State field field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
9	Open	Ahmed Maher	V1	AF32	1- Go to " Account Information " Page 2- Enter Invalid City field field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
10	Open	Ahmed Maher	V1	AF35	1- Go to " Account Information " Page 2- Enter Invalid Zip code field field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
11	Open	Ahmed Maher	V1	AF38	1- Go to " Account Information " Page 2- Enter InvalidMobile Number field field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
12	Open	Ahmed Maher	V1	PY02	1- Go to " Payment " Page 2- Enter Invalid Name field field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
13	Open	Ahmed Maher	V1	PY05	1- Go to " Payment " Page 2- Enter Invalid Card Number field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
14	Open	Ahmed Maher	V1	PY08	1- Go to " Payment " Page 2- Enter invalid CVC field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
15	Open	Ahmed Maher	V1	PY11	1- Go to " Payment " Page 2- Enter invalid Expiration field 3- Press TAB and move to next Field	System display error message	System accept without error	Medium	High
					1.. Open https://automationexercise.com/ 2.. Select any product from the homepage	1.. The quantity displayed in the cart should match the quantity added by the user.	Activate Windows Go to Settings to activate Windows.		

bug report

TASK DISTRIBUTION

Ammar Yasser Mohamed :

.Automation Testing : View Product
(Happy scenario - Negative scenario)

```

File Edit Source Refactor Navigate Search Project Run Window Help
View_product_HappyScenario.java View_product_NegativeScenario.java
11   HomePage home_Object= new HomePage(driver);
12   View_Product view_product_object = new View_Product(driver);
13   String write = "Write Your Review".toUpperCase();
14@ *Test
15 public void view_product() throws InterruptedException {
16   JavascriptExecutor js =(JavascriptExecutor) driver;
17   js.executeScript("window.scrollBy(0,800);");
18   view_product_object.view_button();
19   Assert.assertEquals(write, view_product_object.get_your_review());
20   view_product_object.get_name();
21   Thread.sleep(500);
22   view_product_object.get_email();
23   Thread.sleep(500);
24   view_product_object.get_review();
25   Thread.sleep(500);
26   view_product_object.click_submit_button();
27   Thread.sleep(1000);
28   js.executeScript("window.scrollTo(0, 0);");
29   Thread.sleep(1000);
30   view_product_object.set_quantity("3");
31   Thread.sleep(1000);
32   view_product_object.click_add_to_cart();
33   Thread.sleep(1000);
34   view_product_object.click_continue_shopping();
35   Thread.sleep(1500);
36

```

```

View_product_HappyScenario.java View_product_NegativeScenario.java Product_Page.java
1 package pages;
2
3 import java.time.Duration;
4
5 public class Product_Page extends HomePage{
6
7   WebDriverWait wait;
8   public Product_Page(WebDriver driver) {
9     super(driver);
10    wait = new WebDriverWait(driver, Duration.ofSeconds(10));
11    PageFactory.initElements(driver, this);
12
13  }
14
15  @FindBy(id = "submit_search")
16  WebElement SearchButton;
17  @FindBy(id = "search_product")
18  WebElement Search_product;
19  public void get_Search_product(String productName) {
20    Search_product.sendKeys(productName);
21    SearchButton.click();
22
23  }
24  @FindBy(css = "body > section > div > div.row > div.col-sm-9.padding-right > div > h2")
25  WebElement Brand_BibaProducts_Massage;
26  public String get_Brand_BibaProducts_Massagee() {
27    WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(5));
28
29
30
31
32
33
34

```

Activate Windows
Go to Settings to activate Windows.

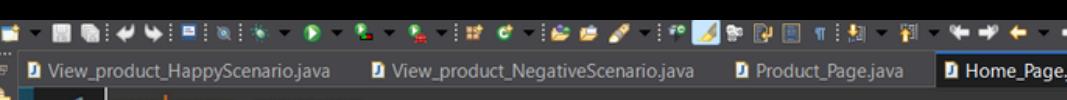
TASK DISTRIBUTION

4-Abdelmaseeh Romany Fahmy :

Manual Test Case: Home Page-view product

Bug Reporting : Id:30,16

Automation Testing : Home Page-subscription



```

1 package pages;
2
3 import java.time.Duration;
4
5
6 public class Home_Page extends PageBase{
7     WebDriverWait wait;
8
9
10    public Home_Page(WebDriver driver) {
11        super(driver);
12        wait = new WebDriverWait(driver, Duration.ofSeconds(10));
13        PageFactory.initElements(driver, this);
14    }
15
16    @FindBy(id = "subscribe")
17    WebElement subscribe_Enter;
18    @FindBy(id = "susbscribe_email")
19    WebElement susbscribe_email;
20    public void send_Key_susbscribe_email(String Susbscribe_email_Txt) {
21
22        susbscribe_email.sendKeys(Susbscribe_email_Txt);
23        subscribe_Enter.click();
24
25
26
27
28
29
30
31
32
33
34

```

B	C	D	E	F	G	H	I
Test Scenario	Test Cases	Test Steps	Test Objective	Test Data	Expected Result	Actual Result	Pass / Fail
Verify Category Field	Category options	1-Open https://automationexercise.com/ 2- Go to "Home" Page 3- Go to "Category Field" 4- Choose Category(WOMEN MEN KIDS)	Category contains options		System runs successfully and display Category +	System runs successfully and display Category options	
	Any options can be selected	1-Open https://automationexercise.com/ 2- Go to "Home" Page 3- Go to "Category Field" 4- Choose Category(WOMEN MEN KIDS)	Category selection can switch and Move to specific category	select any options	Category selection can switch and Move to specific category	Category selection can switch and Move to specific category	Pass
Verify Brands Field	Brands options	1-Open https://automationexercise.com/ 2- Go to "Home" Page 3- Go to "Brands Field" 4- Choose Brands(Polo-H&M-MADAME-MASTHAUBOUR-BABYHUG-ALLEN-SOLU-JUNIOR)	Brands contains options		System runs successfully and display Brands options	System runs successfully and display Brands options	Pass
	Any options can be selected	1-Open https://automationexercise.com/ 2- Go to "Home" Page 3- Go to "Brands Field" 4- Choose Brands(Polo-H&M-MADAME-MASTHAUBOUR-BABYHUG-ALLEN-SOLU-JUNIOR)	Brands selection can switch and Move to specific category	select any options	Brands selection can switch and Move to specific category	Brands selection can switch and Move to specific category	Pass
Verify Products Field	Valid Products	1-Open https://automationexercise.com/ 2- Go to "Products" Page 3- Go to "Products Field" 4- Choose Products	1.Verify that the product Display (Description, Price, Image) 2.Verify that the product added by the user is successfully added to the cart 3.Verify adding multiple products to the cart 4.Verify Button view Product Navigate to page 5.Verify Hover and display (Description, Price)		The system runs successfully, and every operation executes	The system runs successfully, and every operation executes	Pass
Verify recommended items Field	Valid Navigate	1-Open https://automationexercise.com/ 2- Go to "Home" Page 3- Go to "Features Items" 4- Choose Recommended Items	1.Verify that the product Display (Description, Price, Image) 2.Verify that the product added by the user is successfully added to the cart 3.Verify adding multiple products to the cart 4.Verify Button view Move to left and right		System runs successfully and do every operations	System runs successfully and do every operations	Pass
Verify Home Page	Enter Operation for all field	1-Open https://automationexercise.com/ 2- Go to "Home" Page 3- Verify Categories Field 4-Verify Brands Field 5-Verify Products Field 6-Verify recommended Items Field 4- Choose Recommended Items	System display Category and Brands and products and recommend item		System runs successfully and do every operations	System runs successfully and do every operations	Pass

TASK DISTRIBUTION

5- George Wagih Mansour:
 Manual Test Case: Product Page,
 .Automation Testing : Product Page

Test Case	Test Scenario	Test Cursor	Test Steps	Test Objective	Test Data	Expected Result	Actual Result	Pass / Fail
1_ PR1	Verify Category Field	Category options	1-Open https://www.mansourstore.com/ 2-Goto "Home" Page 3-Goto "Category Field" 4-Click "Category Field" 5-Open https://www.mansourstore.com/ 6-Goto "Home" Page 7-Goto "Category Field" 8-Select "MEN'S WEAR" 9-Click "Category Field" 10-Clear "Category Field"	Item Buttons are Work		System runs successfully and display Category options	System runs successfully and display Category options	Pass
2_ PR2			Any options can be selected	Category selection consults on Mena specific category	Select any options	Category selection consults on Mena specific category	Category selection consults on Mena specific category	Pass
3_ PR3	Verify Brand Field	Brand options	1-Open https://www.mansourstore.com/ 2-Goto "Home" Page 3-Goto "Category Field" 4-Select "MEN'S WEAR" 5-Open https://www.mansourstore.com/ 6-Goto "Home" Page 7-Goto "Brand Field" 8-Select "PAUL HAMM-MADAME" 9-Click "Brand Field" 10-Clear "Brand Field" 11-Open https://www.mansourstore.com/ 12-Goto "Home" Page 13-Goto "Brand Field" 14-Select "PAUL HAMM-MADAME" 15-Click "Brand Field"	Item Buttons are Work		System runs successfully and display Brand options	System runs successfully and display Brand options	Pass
4_ PR4			Any options can be selected	Brand selection consults on Mena specific category	Select any options	Brand selection consults on Mena specific category	Brand selection consults on Mena specific category	Pass
5_ PR5	Verify Product Field	Valid Product	1-Open https://www.mansourstore.com/ 2-Goto "Home" Page 3-Goto "Product Field" 4-Select "Product Field"	Verify that the product displays (Description, Price, Images)	The system runs successfully, and every operation executes	The system runs successfully, and every operation executes	The system runs successfully, and every operation executes	Pass
6_ PR6	Verify search field	Valid Search	1-Open https://www.mansourstore.com/ 2-Goto "Home" Page 3-Goto "Search Field" 4-Enter "Product Name"	Searching for existing product	The search results should display the relevant product	The user is redirected to search results page containing the expected product	The user is redirected to search results page containing the expected product	Pass
7_ PR7			Invalid Search	Searching for non-existing product	No products found for your search query	"The page remains blank as expected when performing an invalid search."	"The page remains blank as expected when performing an invalid search."	Pass
8_ PR8	Verify Product Page	Enter Operation for all Field	1-Open https://www.mansourstore.com/ 2-Goto "Home" Page 3-Goto "Category Field" 4-Select "MEN'S WEAR" 5-Goto "Product Field" 6-Select "Product Field"	System displays Category and Brands under products		System runs successfully and display operations	System runs successfully and display operations	Pass
9_ PR9								
10_ PR10								
11_ PR11								
12_ PR12								
13_ PR13								
14_ PR14								
15_ PR15								
16_ PR16								
17_ PR17								
18_ PR18								
19_ PR19								
20_ PR20								
21_ PR21								
22_ PR22								
23_ PR23								
24_ PR24								
25_ PR25								
26_ PR26								
27_ PR27								
28_ PR28								
29_ PR29								
30_ PR30								

```

1 package pages;
2
3 import java.time.Duration;
11
12 public class Product_Page extends HomePage{
13
14     WebDriverWait wait;
15     public Product_Page(WebDriver driver) {
16         super(driver);
17         wait = new WebDriverWait(driver, Duration.ofSeconds(10));
18         PageFactory.initElements(driver, this);
19
20     }
21
22     @FindBy(id = "submit_search")
23     WebElement SearchButton;
24     @FindBy(id = "search_product")
25     WebElement Search_product;
26     public void get_Search_product(String productName) {
27         Search_product.sendKeys(productName);
28         SearchButton.click();
29     }
30 }

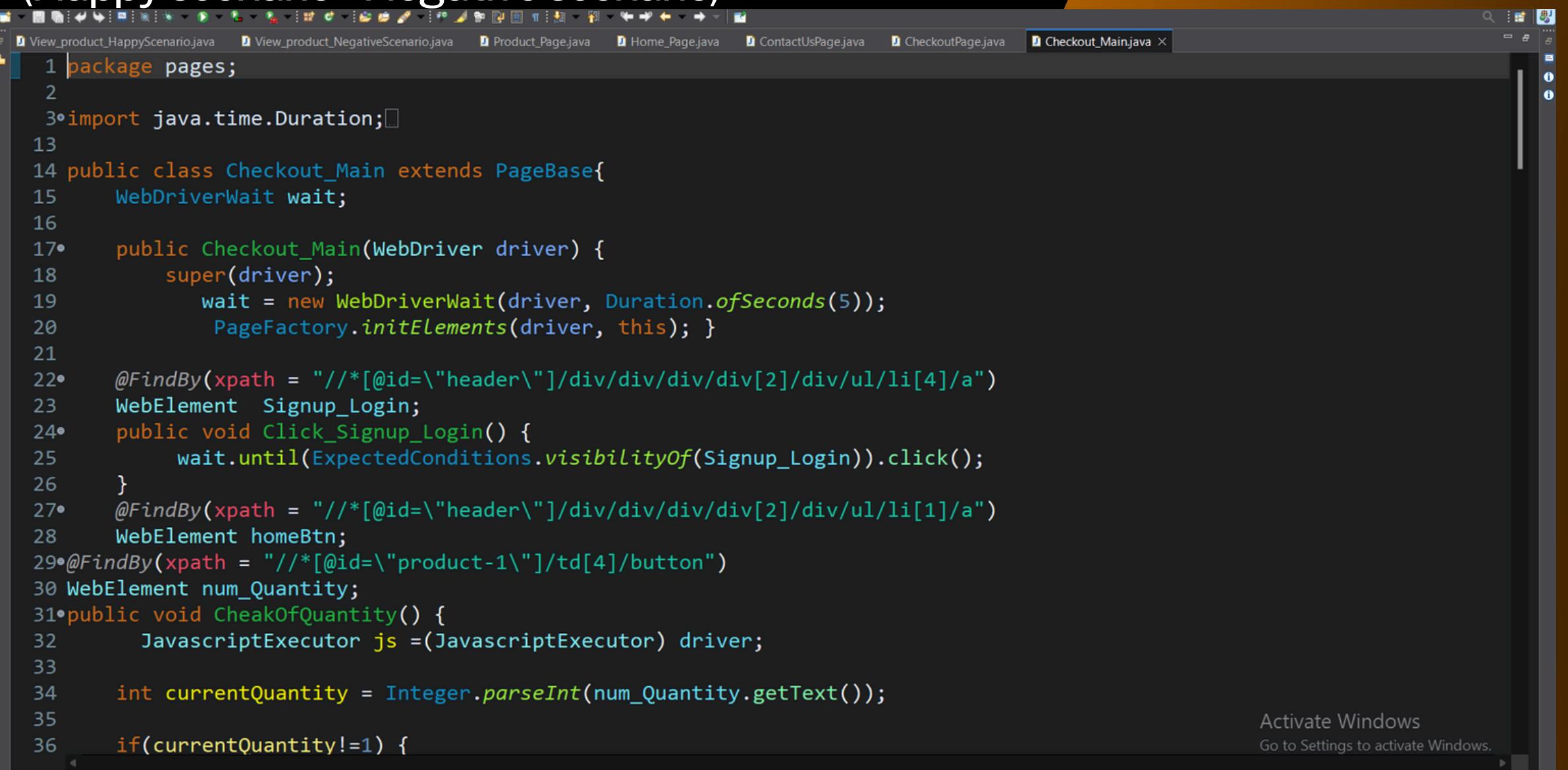
```

Activate Windows
 Go to Settings to activate Windows

TASK DISTRIBUTION

6- Malak Ismail Mohamed:

- . Requirements Analysis
 - . Test Plan Preparation
 - . Automation Testing : Check out Page
- (Happy scenario - Negative scenario)



```

1 package pages;
2
3 import java.time.Duration;
4
5 public class Checkout_Main extends PageBase{
6     WebDriverWait wait;
7
8     public Checkout_Main(WebDriver driver) {
9         super(driver);
10        wait = new WebDriverWait(driver, Duration.ofSeconds(5));
11        PageFactory.initElements(driver, this); }
12
13     @FindBy(xpath = "//*[@id=\"header\"]/div/div/div[2]/div/ul/li[4]/a")
14     WebElement Signup_Login;
15     public void Click_Signup_Login() {
16         wait.until(ExpectedConditions.visibilityOf(Signup_Login)).click();
17     }
18     @FindBy(xpath = "//*[@id=\"header\"]/div/div/div[2]/div/ul/li[1]/a")
19     WebElement homeBtn;
20     @FindBy(xpath = "//*[@id=\"product-1\"]/td[4]/button")
21     WebElement num_Quantity;
22     public void CheakOfQuantity() {
23         JavascriptExecutor js =(JavascriptExecutor) driver;
24
25         int currentQuantity = Integer.parseInt(num_Quantity.getText());
26
27         if(currentQuantity!=1) {
```

Introduction

This document serves as a comprehensive Software Requirements Specification (SRS) for testing AutomationExercise.com, including manual testing, automation testing, and API testing. The primary goal is to ensure software reliability, performance, and security.

Purpose:

Ensuring all functionalities of the **Automation Exercise** website are tested thoroughly using **Manual, Automation, and API Testing** approaches.

Pages to Be Tested:

Home Page:

- **Manual Testing:** Check UI elements, responsiveness, and navigation.
- **Automation Testing:** Automate banner display, navigation clicks, and layout validation.
- **API Testing:** No API testing required.

Products Page:

- **Manual Testing:** Verify product display, search, filter, and sorting.
- **Automation Testing:** Automate search functionality, filter selection, and sorting verification.
- **API Testing:** Validate API response for product listing, ensuring correct data retrieval.

Product Details Page:

- **Manual Testing:** Ensure product details (name, price, images, description) display correctly.
- **Automation Testing:** Automate adding products to cart and posting reviews.

Activate Windows

Go to Settings to activate Windows.

TASK DISTRIBUTION

7- Omer Mostafa Sayed:

Manual Test Case: Contact us Page,

Bug Reporting : Id:17:21

Automation Testing : Payment Page

(Happy scenario - Negative scenario)

```

12 public class Payment_Happy extends TestBase {
13     HomePage home_Object= new HomePage(driver);
14     Payment_Page payment_object =new Payment_Page(driver);
15     String paymentMassage="Payment";
16     LoginPage loginObject = new LoginPage(driver);
17     Home_Page home = new Home_Page(driver);
18     String Order_Placed="Order Placed!".toUpperCase();
19
20     @Test
21     Run / Debug
22     public void Payment() throws InterruptedException {
23         home_Object.openLoginPage();
24         Thread.sleep(3000);
25         loginObject.userCanLogin("omarmostafa@gmail.com", "123456879");
26         JavascriptExecutor js =(JavascriptExecutor) driver;
27         js.executeScript("window.scrollBy(0,500);");
28         Thread.sleep(3000);
29         home.addToCartButton();
30         home.alert_ContinueShoppingButton();
31         payment_object.Payment_Page_Move();
32         Assert.assertEquals(paymentMassage, payment_object.get_payment_Massage());
33         payment_object.Payment_information("bassata","123456789","123","4","2030");
34         js.executeScript("window.scrollBy(0,500);");
35         Assert.assertEquals(Order_Placed, payment_object.get_Order_Placed_Massage());
36         payment_object.Payment_continue_Button();
37

```

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Test Case ID	Test Scenario	Test Cases	Test Steps	Test Objective	Test Data	Expected Result	Actual Result	Pass / Fail						
CU01	Verify Name	Valid Name	1- Go to "Contact_us" Page 2- Enter Valid Name field 3- Press TAB and move to next Field	Name must be character	Name :character	System accept the Name	System accept the Name	Pass						
CU02		InValid Name	1- Go to "Contact_us" Page 2- Enter InValid Name field 3- Press TAB and move to next Field	Name cannot be start with Speacial character and Space , cannot contain Speacial character and Number	Name : Start Number Name : Start space Name :Start Speacial	System display error	System accepts First character Space , speical characters , numbers	Fail						
CU03		Blank Name	1- Go to "Contact_us" Page 2- Enter Blank field 3- Press TAB and move to next Field	Name can not be blank	Name :	Name is required	System don't display error "Name is required"	Fail						
CU04	Verify Email Field	Valid Email	1- Go to Contact_us Page 2- Enter Valid Email field 3- Press TAB and move to next Field	Email field Should accepts valid Email	Email :valid Email	System accept the Email	System accept the Email	Pass						
CU05		InValid Email	1- Go to Contact_us Page 2- Enter InValid Email field 3- Press TAB and move to next Field	Email field Should not accepts invalid Email	Email : invalid Email	System not accept the Email	System accept the Email with out top level domain	Fail						
CU06		Blank Email	1- Go to Contact_us Page 2- Enter Blank Email field 3- Press TAB and move to next Field	Email canot be blank	Email : blank	System display error Message indicating "Email is Required"	System display error "Please fill out this field"	Pass						
CU07	Verify Subject	Valid Subject	1- Go to "Contact_us" Page 2- Enter Subject field 3- Press TAB and move to next Field	Subject is Text Free	Subject : Text Free	System accept the Subject	System accept the Subject	Pass						
CU08		Blank Subject	1- Go to "Contact_us" Page 2- Enter Subject field 3- Press TAB and move to next Field	Subject can not be blank	Subject :	Subject is required	System don't display error "Subject is required"	Fail						
CU09	Verify Message	Valid Message	1- Go to "Contact_us" Page 2- Enter Message field 3- Press TAB and move to next Field	Messageis Text Free	Message: Text Free	System accept the Subject	System accept the Subject	Pass						
CU10		Blank Message	1- Go to "Contact_us" Page 2- Enter Message field 3- Press TAB and move to next Field	Message can not be blank	Message:	Massage is required	System don't display error "Message is required"	Fail						
CU11	Verify Attach file	Valid Attach file	1- Go to "Contact_us" Page 2- Enter Attach filefield 3- Press TAB and move to next Field	Attach file any type	Attach file any type	System accept the Attach file	System accept the Attach file	Pass						
CU12		Blank Attach file	1- Go to "Contact_us" Page 2- Enter Attach filefield 3- Press TAB and move to next Field	Attach file can be blank	Attach file :	System run successfully	System run successfully	Pass						

Results

As a result of our testing activities on the Automation Exercise website, we were able to:

Discover and report around 30 bugs, including functional, UI, and usability issues.

Design and execute various test cases to cover major features of the website.

Perform automation testing using Selenium to validate key user actions.

Improve our understanding of real-world software testing practices and teamwork.

This helped us gain valuable experience in both manual and automated testing.

2024

THANKYOU