American International University-Bangladesh (AIUB)

Department of Computer Science
Faculty of Science &Technology (FST)
Summer 2023-24

Section: B
Software Quality Assurance and Testing

An Assignment Submitted
By

| Student Name	Student ID
Atunu Saha	22-46357-1

Description: The "Restaurant Management System" is a web-based project which was developed by using HTML, CSS, PHP and JavaScript. It aims to enhance efficiency and customer satisfaction in restaurant operations. Key features include quick order fulfillment, accurate billing, insightful analytics, and streamlined user experiences for customers, admins, managers, and delivery personnel. The project also emphasizes environmental sustainability by digitizing menus and orders.

For this project, Selenium IDE was used for test some of its features. Selenium IDE (Integrated Development Environment) is a user-friendly tool for automating web browser interactions, part of the Selenium suite. It allows users to record, playback, and manage test scripts for web applications, streamlining testing processes. Key features include intuitive record and playback functionality and the ability to create and organize test suites. Selenium IDE is ideal for regression testing, ensuring new code changes don't impact existing functionality, and is accessible even to those with limited programming experience.
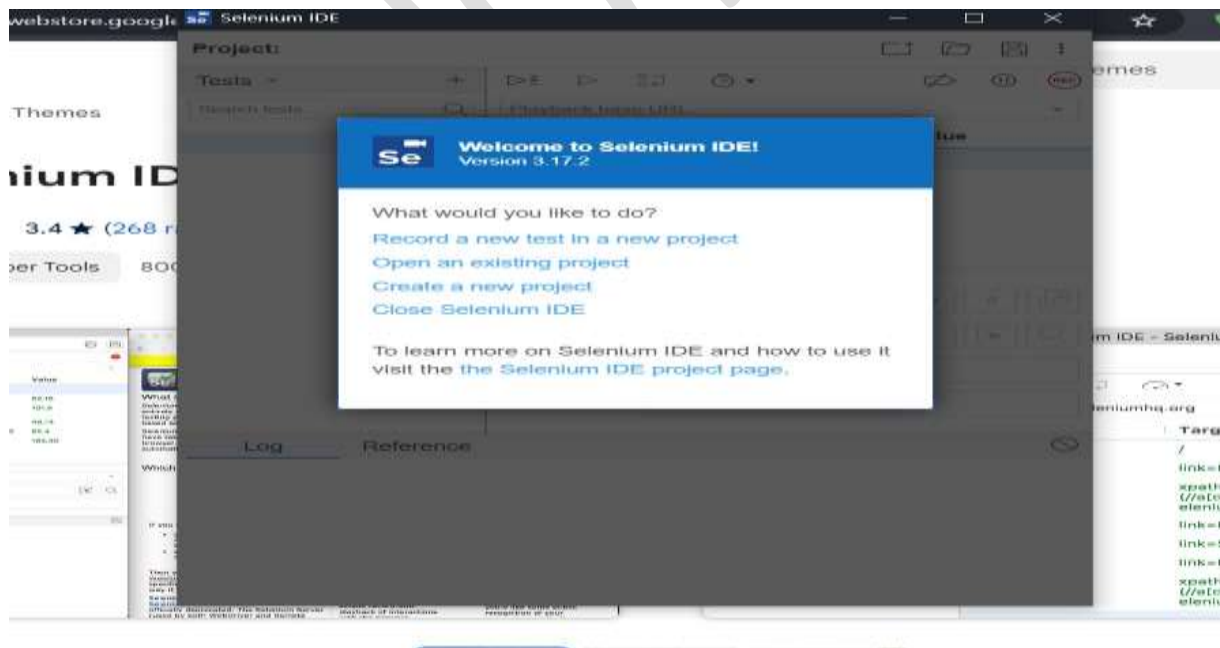
Selenium IDE Setup:
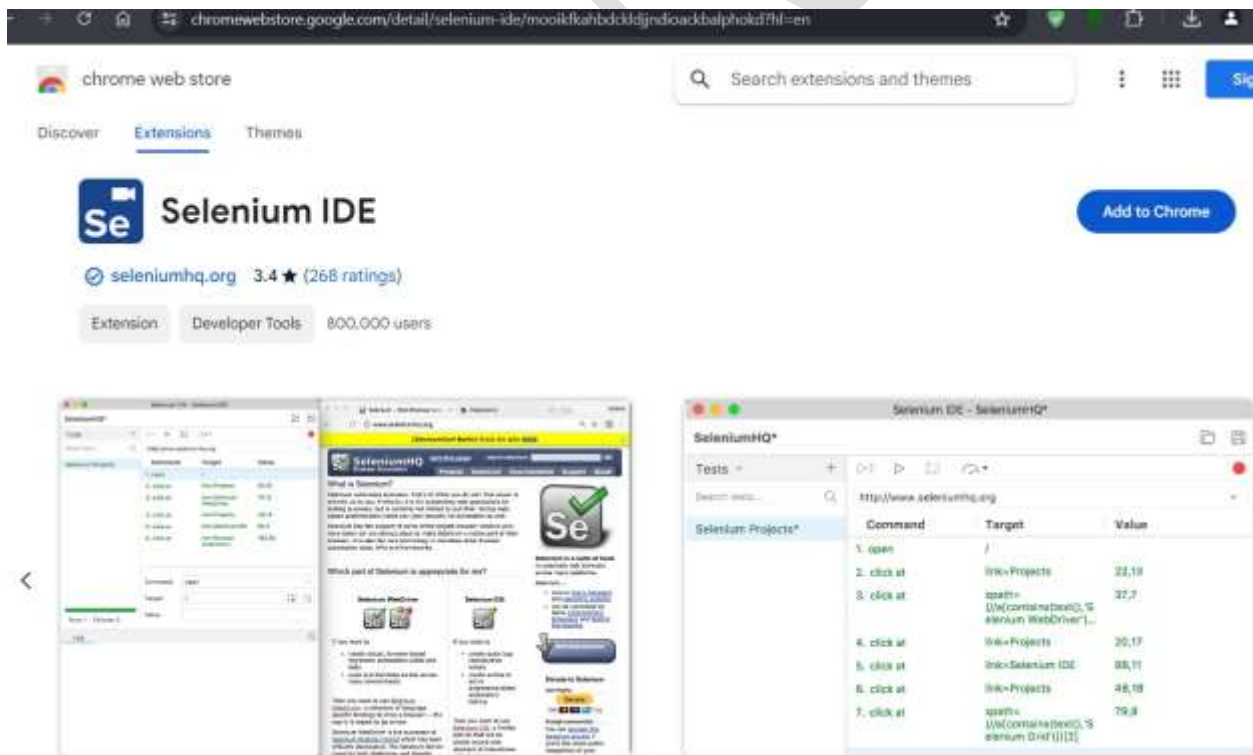
Step 1: First go to the Chrome web store and search Selenium IDE extension.
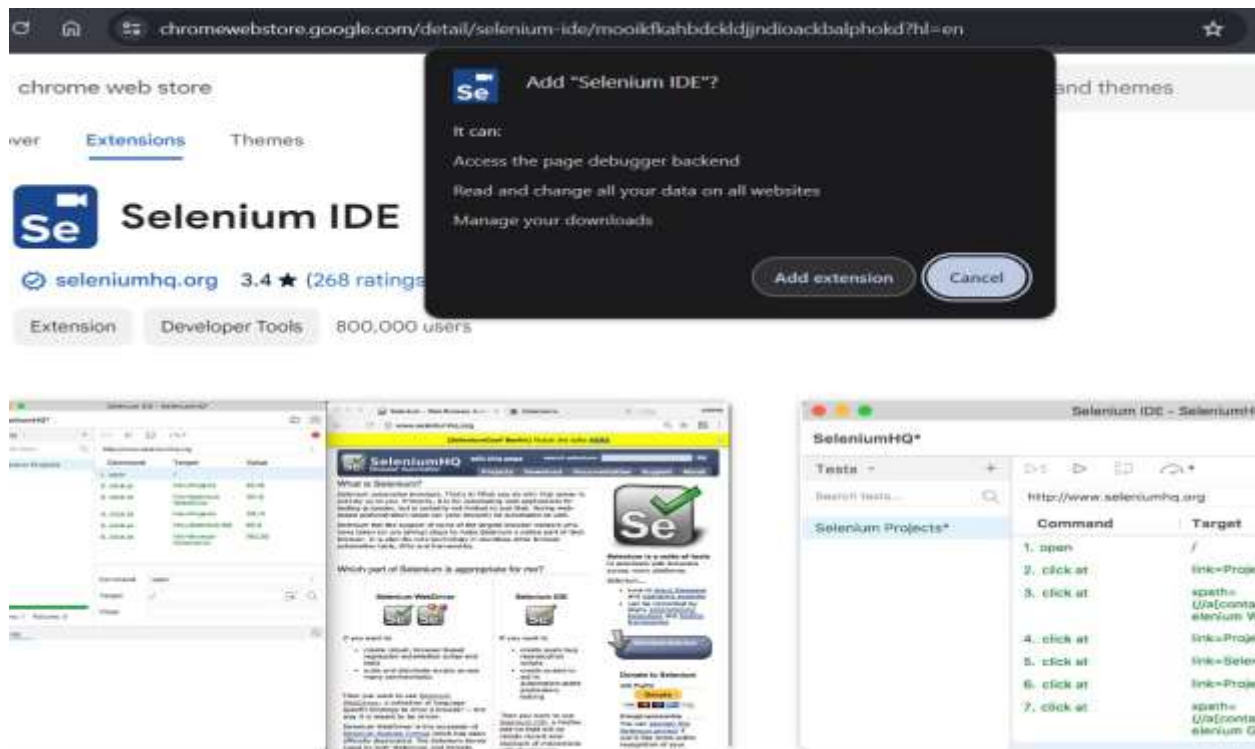
Step 2: Then click the "Add to chrome" button and a pop-up action will occurred saying Add extension.

Step 3: After clicking the "Add extension" button the Selenium IDE were added to the Chrome browser and following interface were occurred.

Test Case Table:

Table 1

Project Name: Restaurant Management System	Test Designed by: ATUNU SAHA
Test Case ID: FR_1_1	Test Designed date: 13/07/2024
Test Priority (Low, Medium, High): High	Test Executed by: ATUNU SAHA
Module Name: Registration Session	Test Execution date: 13/07/2024
Test Title: verify registration page loads successfully	
Description: Test website registration page	
Precondition (If any): User is on the registration page	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Click on the "Registration Now" button	Full Name: Atunu Phone Number:01765274444 Email: atunu@gmail.com Address: kuril Date of Birth: 06/06/2000 Religion: Hindu Password:987654321 Confirm Password:987654321	User should create an account	User successfully create an account	Pass

Post Condition: User is validated with database and successfully create an account. The accountsession details are saved in the database.

Test Case 1 Execution:

Table 2

Project Name: Restaurant Management System	Test Designed by: ATUNU SAHA
Test Case ID: FR_1_2	Test Designed date: 13/07/2024
Test Priority (Low, Medium, High): High	Test Executed by: ATUNU SAHA
Module Name: Login Session	Test Execution date: 13/07/2024

Test Title: verify login with valid Id and password

Description: Test website login page

Precondition (If any): User must have valid Id and password

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Enter Email and Password 3. Click Login	Email: atunu@gmail.com Password:987654321	User should login into the application	User successfully logged in the application	Pass

Post Condition: User is validated with database and successfully logged in the account. The account session details are saved in the database.

Test Case 2 Execution:
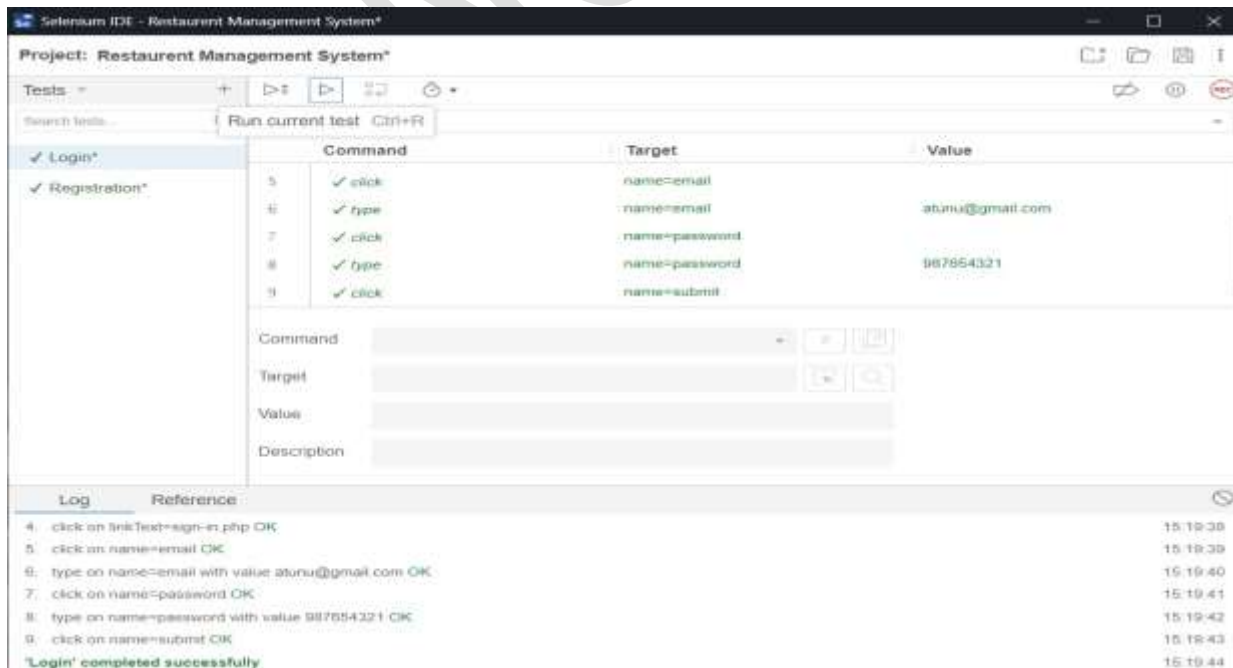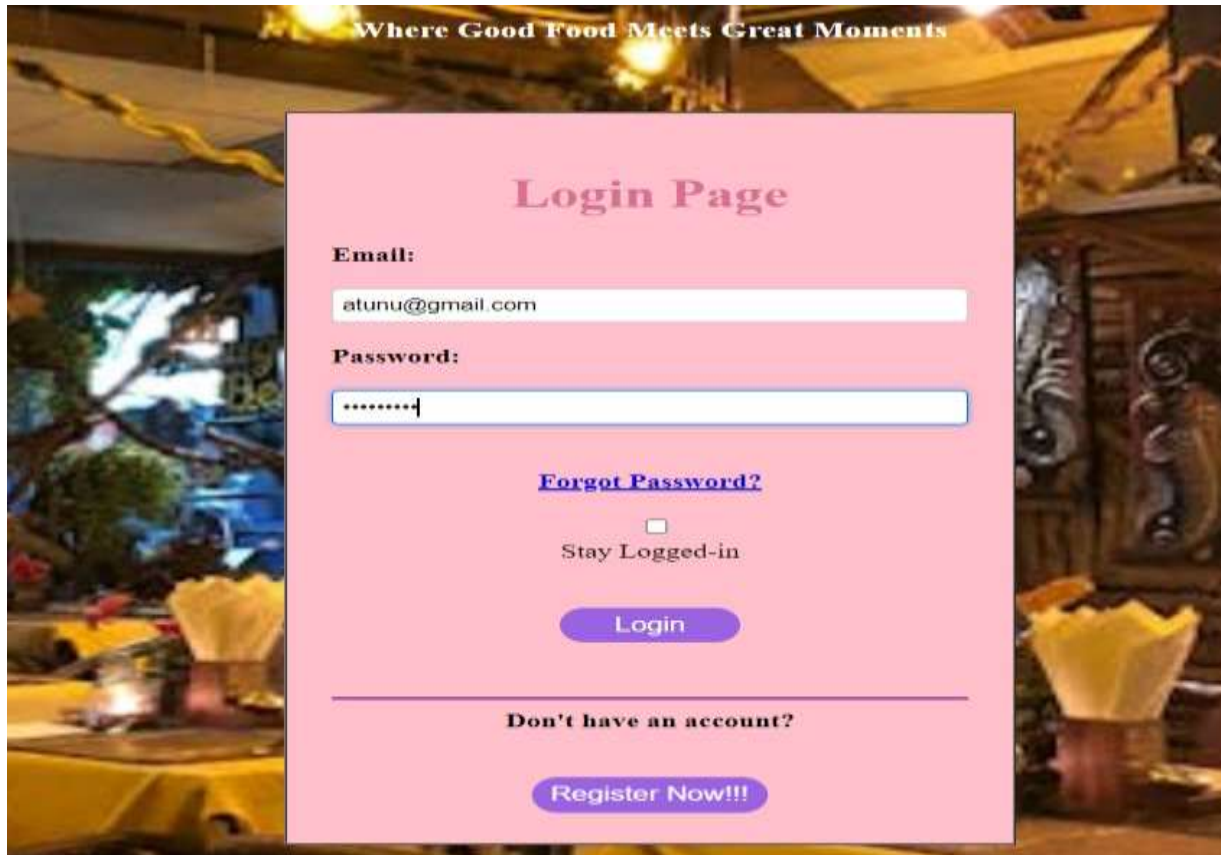
Table 3

Project Name: Restaurant Management System	Test Designed by: ATUNU SAHA
Test Case ID: FR_1_3	Test Designed date: 13/07/2024
Test Priority (Low, Medium, High): Low	Test Executed by: ATUNU SAHA
Module Name: Add to cart Session	Test Execution date: 14/07/2024
Test Title: verify add to cart feature with valid quantity	
Description: Test Add to cart web page	
Precondition (If any): User must have valid Id and password	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login with Email and password 3. Click "Place Order" button 4. Then click "Show Details and Give Review" button 5. Press "Add to Cart" button 6. Then Enter Quantity 7. After that click "Add to Cart" button	Enter Quantity: 1	User should be able to add the item to the cart	User successfully add the item to the cart	Pass

Post Condition: User is validated with database and successfully add the item to the cart. The account session details are saved in the database.

Test Case 3 Execution:

Table 4

Project Name: Restaurant Management System		Test Designed by: ATUNU SAHA		
Test Case ID: FR_1_4		Test Designed date: 13/07/2024		
Test Priority (Low, Medium, High): High		Test Executed by: ATUNU SAHA		
Module Name: Confirm Order Session		Test Execution date: 14/07/2024		
Test Title: verify confirm order with valid password				
Description: Test Confirm Order web page				
Precondition (If any): User must have at least one item in the cart				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login with Email and password 3. Click "Place Order" button 4. Then click "Show Details and Give Review" button 5. Press "Add to Cart" button 6. Then Click the "Cart" button 7. After that click "Confirm Order & See total Bill" button 8. Then enter password to the dialog box 9. Click the "Confirm Order" button	Enter Your Password To Confirm Order: 987654321	User should be able to confirm the order	User failed to confirmed the order	Fail
Post Condition: User was unsuccessful to confirm the order. The accountsession details are saved in the database.				

Test Case 4 Execution:

Table 5

Project Name: Restaurant Management System	Test Designed by: ATUNU SAHA
Test Case ID: FR_1_5	Test Designed date: 13/07/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: ATUNU SAHA
Module Name: Search item Session	Test Execution date: 14/07/2024

Test Title: verify search feature with valid input

Description: Test Search feature

Precondition (If any): User must have logged into the account

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login with Email and password 3. Click "Place Order" button 4. Put a item name in the search box and click "Search" button	Search: falooda	User should be able to find the item	User successfully find the item	Pass

Post Condition: User is validated with database and successfully find the item. The accountsession details are saved in the database.

Test Case 5 Execution:

Item Picture	Item Name	Category	Price	Action
	Chocolate Ice cream	Ice Cream	60	Show Details and Give Review
	Chicken Biriyani	Chicken	110	Show Details and Give Review
	Falooda	Desert	50	Show Details and Give Review

After clicking the "Search" button:

Item Picture	Item Name	Category	Price	Action
	Falooda	Desert	50	Show Details and Give Review

Selenium IDE – Restaurent Management System*

Project: Restaurent Management System*

Search tests...

✓ Add to cart*
✗ Confirm Order*
✓ Login
✓ Registration
✓ Search item*

http://localhost

	Command	Target	Value
10	✓ click	id=placeorder	
11	✓ select frame	index=0	
12	✓ click	name=search	
13	✓ type	name=search	falooda
14	✓ click	css=.b2	

Command

Target

Value

Description

Log   **Reference**

9. click on name=submit OK	12:00:59
10. click on id=placeorder OK	12:01:00
11. selectFrame on index=0 OK	12:01:01
12. click on name=search OK	12:01:02
13. type on name=search with value falooda OK	12:01:03
14. click on css=.b2 OK	12:01:04
'Search item' completed successfully	12:01:05

Table 6

Project Name: Restaurant Management System	Test Designed by: ATUNU SAHA
Test Case ID: FR_1_6	Test Designed date: 13/07/2024
Test Priority (Low, Medium, High): Low	Test Executed by: ATUNU SAHA
Module Name: Review Session	Test Execution date: 14/07/2024

Test Title: verify review feature with valid input

Description: Test the Review feature

Precondition (If any): User must have logged into the account

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login with Email and password 3. Click "Reviews" button 4. Then click "Show Details and Give Review" button 5. Then put an input into the Reviews text box and click the "Post Review" button	Reviews: Good	User should be able to post the review	User successfully able to give the review of the item	Pass

Post Condition: User is validated with database and successfully give a review of an item. The account session details are saved in the database.

Test Case 6 Execution:

Reviews

Good

Post Review

Go Back

Selenium IDE – Restaurent Management System*

Project: Restaurent Management System*

Tests

Search tests...

http://localhost

	Command	Target	Value
✓ Add to cart*			
✗ Confirm Order*	12	✓ select frame	index=0	
✓ Login	13	✓ click	linkText=Show Details and Give Review	
✓ Registration	14	✓ click	name=review	
✓ Review*	15	✓ type	name=review	Good
✓ Search item*	16	✓ click	name=submit	

Command

Target

Value

Description

Log   Reference

11. click on id=reviews OK   12:06:05
12. selectFrame on index=0 OK   12:06:06
13. click on linkText=Show Details and Give Review OK   12:06:07
14. click on name=review OK   12:06:08
15. type on name=review with value Good OK   12:06:09
16. click on name=submit OK   12:06:10
'Review' completed successfully   12:06:11

Table 7

Project Name: Restaurant Management System	Test Designed by: ATUNU SAHA
Test Case ID: FR_1_7	Test Designed date: 13/07/2024
Test Priority (Low, Medium, High): Medium	Test Executed by: ATUNU SAHA
Module Name: File a Complaint Session	Test Execution date: 14/07/2024
Test Title: verify file a complaint feature with valid input	
Description: Test the File a complaint feature	
Precondition (If any): User must have logged into the account	

Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Go to the website 2. Login with Email and password 3. Click "File a Complaint" button 4. Then put an input into the text box 5. After that click "submit" button	Write a complaint to admin: Bad Ice Cream	User should be able to file a complaint to the admin	User successfully able to file a complaint to the admin	Pass

Post Condition: User is validated with database and successfully able to file a complaint to the admin. The accountsession details are saved in the database.

Test Case 7 Execution:

Write a complaint to admin

Bad Ice Cream

Submit

Selenium IDE - Restaurent Management System*

Project: Restaurent Management System*

Tests

Search tests...

Run current test Ctrl+R

✓ Add to cart*
✗ Confirm Order*
✓ File a Complaint*
✓ Login
✓ Registration
✓ Review*
✓ Search item*

	Command		Target		Value
10	✓ click		id=complaint		
11	✓ select frame		index=0		
12	✓ click		name=complaint		
13	✓ type		name=complaint		Bad ice cream
14	✓ click		css=input		

Command
Target
Value
Description

Log   Reference

9. click on name=submit OK   12:09:19
10. click on id=complaint OK   12:09:20
11. selectFrame on index=0 OK   12:09:21
12. click on name=complaint OK   12:09:22
13. type on name=complaint with value Bad ice cream OK   12:09:23
14. click on css=input OK   12:09:24
'File a Complaint' completed successfully   12:09:25