



AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)

FACULTY OF SCIENCE & TECHNOLOGY

DEPARTMENT OF CSE

SOFTWARE QUALITY AND TESTING

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Section: A

Assignment On

Web based project testing with Selenium IDE

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Submission Date: July 16, 2024.

Project Title: Testing Hotel Management system with Selenium IDE.

We used a website that we have created for our testing needs for this testing assignment. To make the testing process easier, we used the Selenium IDE extension to our browser. To guarantee comprehensive coverage, our method comprised executing tests in a methodical and sequential manner. We present screenshots that show the integration process and walk through each stage of the website testing in this report. These screen grabs serve to clearly demonstrate our processes and results visually, as well as to document our testing methods.

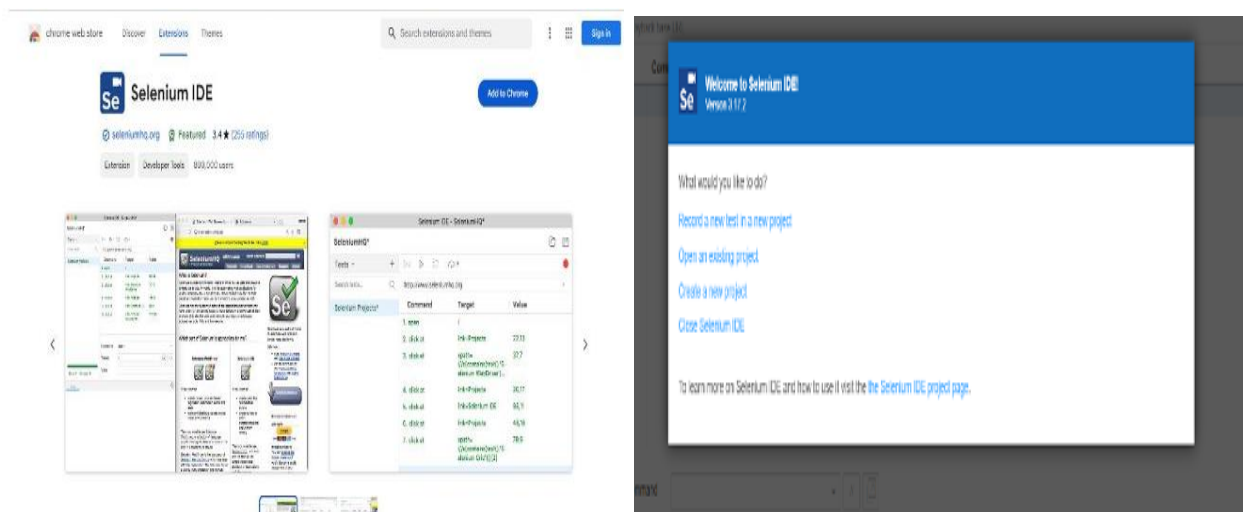
The following were the main aims of our testing procedure:

Validating Functionality: Verify that, in accordance with the given specifications, all of the web-based program's features and capabilities operate as intended.

Defect Identification: Find and record any irregularities, mistakes, or discrepancies in the behavior of the program with the goal of enhancing its general dependability and quality.

By concentrating on these goals, we intended to evaluate the program's functionality, dependability, and user-friendliness with the ultimate goal of providing end consumers with a superior product.

Selenium was the only tool we used for testing; it was our main tool. Through the use of the Selenium IDE plugin, which allowed for smooth integration with our browser, Selenium enabled effective test automation and thorough validation of the functionality of the web application.



Precondition: User has to provide valid information for successful SingUp.

The screenshot shows the Selenium IDE interface. At the top, there's a title bar "Selenium IDE - Project: Testing with selenium". Below it, a toolbar contains icons for tests, settings, and help. The main area displays a test suite titled "Project: Project Testing with selenium". A search bar at the top left of the test suite shows the URL "http://localhost/Hotel_Management_System--js-main/viewRegistration.php".

	Command	Target	Value
Dashboard_Test	✓ click	name=gender	
Guest_Profile_Managemen	✓ click	id=email	
Login_Test	✓ type	id=email	roman12@gmail.com
✓ Sign_Up_Test	✓ click	id=username	
Staffs_Management_Test	✓ type	id=username	roman50
Staffs_Salary_Sheet_Test	✓ click	id=password	
Write_About_Us_Test	✓ type	id=password	123456789
Write_Faq_Test	✓ click	id=confirmPassword	
Write_Notice_Test	✓ type	id=confirmPassword	123456789
	✓ click	id=request	
	✓ type	id=request	dhaika
	✓ click	id=request	
	✓ type	id=request	dhaika
	✓ click	id=request	
	✓ type	id=request	khlgaon
	✓ click	name=submit	
	✓ close		

Below the test suite table, there are input fields for Command, Target, Value, and Description.

At the bottom, there's a "Log" section with a "Reference" link. It lists execution steps:


- 23. click on id=request OK
- 21. type on id=request1 with value dhaika OK
- 22. click on id=request2 OK
- 23. type on id=request2 with value khlgaon OK
- 24. click on name=submit OK
- 25. close OK
- *Sign Up Test completed successfully

Post Condition: We have tested the SignUp operation by providing valid and information. The SignUp testing is successful.

Test Case ID: 2

Test Title: Verify SignIn with valid Username and Password.

Precondition: User has to provide valid information for successful SingIn.

 Hotel Management system

[About us](#) [Home](#) [Sign Up](#) [Log In](#)

Login:

User Name:

Password:

☐ Remember Me?

Login

Forget Password? [Click Here](#)

Don't have an Account? [Register Now](#)


Selenium IDE - Project Testing with selenium*			
Project: Project Testing with selenium*			
Tests	http://localhost/Hotel_Management_System--js-mainview/login.php		
Search tests...			
Tests	Command	Target	Value
Dashboard_Test	1. ✓ open	http://localhost/Hotel_Management_System--js-mainview/login.php	
Guest_Profile_Management_Test	2. ✓ set window size	516x948	
✓ Login_Test	3. ✓ click	name=username	
✓ Sign_Up_Test	4. ✓ type	name=username	AR
Staffs_Management_Test	5. ✓ click	name=password	
Staffs_Salary_Sheet_Test	6. ✓ type	name=password	123456789
Write_About_Us_Test	7. ✓ click	id=checkbox	
Write_Faq_Test	8. ✓ click	name=submit	
Write_Notice_Test	9. ✓ close		
Command Target Value Description			
Log Reference			
4. type on name=username with value AR OK			23:40:27
5. click on name=password OK			23:40:27
6. type on name=password with value 123456789 OK			23:40:28
7. click on id=checkbox OK			23:40:28
8. click on name=submit OK			23:40:28
9. close OK			23:40:28
"Login_Test" completed successfully			

Post Condition: We have tested the SignIn operation by providing valid Username and password. The SignIn testing is successful.

Test Case ID: 3

Test Title: Upon Successful Login Dashboard will be shown.

Precondition: User has to provide valid information for successful SingIn and view Dashboard.

 Welcome to dashboard Logged in as AR

[Dashboard](#)[Guests Profile Management](#)[Staffs Management](#)[Staffs Salary Sheet](#)[Write Notice](#)[Setting](#)[write FAQ](#)[write About us](#)

User Name	name	Room no	Check In	Check out	Status
asha	Asha Akhtar	5040	2023-11-23	2023-11-28	Confirmed
sadi	sadi islam	1022	2023-11-22	2023-11-25	Confirmed
tamir	tamir islam	1111	2023-12-13	2023-12-20	Confirmed
tazdik	tazdik hassan	2222	2023-12-13	2023-12-20	Confirmed

Project: Project Testing with selenium*

Tests +

Search tests...

Dashboard_Test

Guest_Profile_Management_Test

Login_Test

Sign_Up_Test

Staffs_Management_Test

Staffs_Salary_Sheet_Test

Write_About_Us_Test

Write_Faq_Test

Write_Notice_Test

Command

Target

Value

1 ✓ open http://localhost/Hotel_Management_System--js-main/view/login.php

2 ✓ set window size 516x948

3 ✓ click name=username

4 ✓ type name=username AR

5 ✓ click name=password

6 ✓ type name=password 123456789

7 ✓ click name=submit

8 ✓ click linkText=Dashboard

Command

Target

Value

Description

Log

Reference

3. click on name=username OK 23:41:39

4. type on name=username with value AR OK 23:41:40

5. click on name=password OK 23:41:40

6. type on name=password with value 123456789 OK 23:41:40

7. click on name=submit OK 23:41:40

8. click on linkText=Dashboard OK 23:41:40

Dashboard_Test completed successfully 23:41:40

Post Condition: We tested after login if valid user can view the hotel room rent information by clicking on “Dashboard” button. So, here the test is also successful.

Test Case ID: 4

Test Title: Guests Profile Management

Precondition: Provide valid guests information where we can insert, add, update and delete information.

Welcome to dashboard

Logged in as AR

Dashboard

Guests Profile Management

Staffs Management

Staffs Salary Sheet

Write Notice

Setting

write FAQ

write About us

Add Guest

S-6

Enter Name

Enter Email

Enter Mobile Number

User Type: Guest

Gender: (Male)

Enter Username

Enter Password

Enter Confirm Password

Insert

Enter Username

Search

Id	Name	Email	Mobile Number	Gender	Username	Options
G-1	arif rahm	boh@arib.edu	01156789468	Male	AR200	Update Delete
G-2	arif rah	boh@arib.edu	01156789468	Male	AR300	Update Delete
G-3	arif rahman	boh@arib.edu	01156789468	Male	AR600	Update Delete
G-4	roman reings	roman12@gmail.com	01156789468	Male	boh	Update Delete
G-5	roman bobby	roman12@gmail.com	01156789468	Male	roman80	Update Delete

Project: Project Testing with selenium			
Tests	Command	Target	Value
✓ Dashboard_Test			
✓ Guest_Profile_Management_Test	✓ click	id=password	
✓ Login_Test	✓ type	id=password	123456789/
✓ Sign_Up_Test	✓ click	id=confirmpassword	
Staffs_Management_Test	✓ type	id=confirmpassword	123456789/
Staffs_Salary_Sheet_Test	✓ click	name=submit	
Write_About_Us_Test	✓ click	css=tr:nth-child(7) a:nth-child(1)	
Write_Faq_Test	✓ click	id=username	
Write_Notice_Test	✓ click	id=username	
	✓ click	id=name	
	✓ type	id=name	roman reings
	✓ click	id=email	
	✓ type	id=email	roman22@gmail.com
	✓ click	name=submit	
	✓ click	css=tr:nth-child(7) a:nth-child(2)	
	✓ click	id=guestusername	
	✓ type	id=guestusername	roman80
	✓ click	name=Submit	
Command			
Target			
Value			
Description			
Log			
Reference			
31. type on id=email with value roman22@gmail.com OK			
32. click on name=submit OK			
33. click on css=tr:nth-child(7) a:nth-child(2) OK			
34. click on id=guestusername OK			
35. type on id=guestusername with value roman80 OK			
36. click on name=Submit OK			
"Guest_Profile_Management_Test" completed successfully			

Post Condition: We have tested the guests profile management operation where we can insert guest information or guest add and update, delete information of guest and we can search exist guest username from system. As you can see, the testing is successful.

Test Case ID: 5

Test Title: Staffs Management

Precondition: Provide valid staffs information where we can insert, add, update and delete information.

Welcome to dashboard

Logged in as AR

Dashboard

Guests Profile Management

Staffs Management

Staffs Salary Sheet

Write Notice

Setting

write FAQ

write About us

Add Staff

S-6

Enter Name

Enter Email

Enter Mobile Number

Gender: (Male)

Enter Address

User Type: (Admin)

Enter Username

Enter Password

Enter Confirm Password

Insert

Enter Username

Search

ID	Name	Email	Mobile Number	Gender	Username	Position	Address	Option
S-1	asif rahman	as2@asib.edu	01234567891	Male	AR	Admin	300 B, Rampura	Update Delete
S-3	asif rahim	boh@asib.edu	01556789468	Male	AR400	Admin	1161 B Rampura	Update Delete
S-2	johu cesa	boh@asib.edu	01556789468	Male	AR500	Receptionist	1161 B Rampura	Update Delete
S-5	roman bobbys	roman12@gmail.com	01556789468	Male	roman110	Admin	1161 B Rampura	Update Delete


Project: Project Testing with selenium*			
Tests	Command	Target	Value
✓ Dashboard_Test	✓ type	id=username	roman50
✓ Guest_Profile_Managem...	✓ type	id=username	roman10
✓ Login_Test	✓ click	id=password	
✓ Sign_Up_Test	✓ type	id=password	123456789/
✓ Staffs_Management_Test	✓ click	id=confirmpassword	
Staffs_Salary_Sheet_Test	✓ type	id=confirmpassword	123456789/
Write_About_Us_Test	✓ click	name=submit	
Write_Faq_Test	✓ click	css=tr:nth-child(5) a:nth-child(1)	
Write_Notice_Test	✓ click	id=name	
	✓ type	id=name	roman boby
	✓ click	id=email	
	✓ type	id=email	roman222@gmail.com
	✓ click	name=submit	
	✓ click	css=tr:nth-child(5) a:nth-child(2)	
	✓ click	id=staffusername	
	✓ type	id=staffusername	roman110
	✓ click	name=Submit	
Command			
Target			
Value			
Description			
Log			
Reference			
36. type on id=email with value roman222@gmail.com	OK		23:43:46
37. click on name=submit	OK		23:43:46
38. click on css=tr:nth-child(5) a:nth-child(2)	OK		23:43:46
39. click on id=staffusername	OK		23:43:46
40. type on id=staffusername with value roman110	OK		23:43:47
41. click on name=Submit	OK		23:43:47
*Staffs_Management_Test completed successfully			

Post Condition: We have tested the staffs management operation where we can insert staff information or staff add and update, delete information of staff and we can search exist staff username from system. As you can see, the testing is successful.

Test Case ID: 6

Test Title: Staffs Salary Sheet

Precondition: Salary number must update staffs salary within system.

 Welcome to dashboard Logged in as AR

Dashboard

Guests Profile Management

Staffs Management

Staffs Salary Sheet

Write Notice

Setting

write FAQ

write About us

Salary Sheet

Select Staff Type
Admin

Admin Salary
100000

Enter Salary

Receptionist Salary
80000

Update

Staff Id	Staff Name	Position	Staff Salary
S-1	asif rahman	Admin	100000
S-3	asif rahman	Admin	100000
S-2	jahan omar	Receptionist	80000
S-5	romman babbys	Admin	100000

Project: Project Testing with selenium			
Tests	Command	Target	Value
✓ Dashboard_Test	✓ open	http://localhost/Hotel_Management_System--js-mainview/login.php	
✓ Guest_Profile_Management_Test	✓ set window size	1936x1056	
✓ Login_Test	✓ click	name=username	
✓ Sign_Up_Test	✓ type	name=username	AR
✓ Staffs_Management_Test	✓ click	name=password	
✓ Staffs_Salary_Sheet_Test	✓ type	name=password	123456789
Write_About_Us_Test	✓ click	name=submit	
Write_Faq_Test	✓ click	initText=Staffs Salary Sheet	
Write_Notice_Test	✓ click	id=salary	
	✓ type	id=salary	100000
	✓ click	name=update	
	✓ click	id=stafftype	
	✓ select	id=stafftype	label=Receptionist
	✓ click	id=salary	
	✓ type	id=salary	80000
	✓ click	name=update	
Command			
Target			
Value			
Description			
Log			
Reference			
11	click on name=update	OK	23.44.45
12	click on id=stafftype	OK	23.44.45
13	select on id=stafftype with value label=Receptionist	OK	23.44.45
14	click on id=salary	OK	23.44.45
15	type on id=salary with value 80000	OK	23.44.45
16	click on name=update	OK	23.44.45
*Staffs_Salary_Sheet_Test completed successfully			23.44.45

Post Condition: We have tested the staffs salary sheet operation where we can update staffs salary number within system. The testing is successful.

Test Case ID: 7

Test Title: Write Notice

Precondition: Write notice and insert within system.

Welcome to dashboard

Logged in as AR

Dashboard

Guests Profile Management

Staffs Management

Staffs Salary Sheet

Write Notice

Setting

write FAQ

write About us

Write Notice

Send Notice

Date	Notice	Option
2023-12-13	hello world	DELETE
2024-07-14	Hello employee	DELETE

Selenium IDE - Project Testing with selenium*

Project: Project Testing with selenium*

Tests +

Search tests...

Dashboard_Test

Guest_Profile_Manageme

Login_Test

Sign_Up_Test

Staffs_Management_Test

Staffs_Salary_Sheet_Test

Write_About_Us_Test

Write_Faq_Test

Write_Notice_Test

Command	Target	Value
1 ✓ open	http://localhost/Hotel_Management_System--js-mainview/login.php	
2 ✓ set window size	1936x1056	
3 ✓ click	name=username	
4 ✓ type	name=username	AR
5 ✓ click	name=password	
6 ✓ type	name=password	123456789
7 ✓ click	name=submit	
8 ✓ click	linkText=Write Notice	
9 ✓ click	name=notice	
10 ✓ type	name=notice	Hello employee
11 ✓ click	name=submit	
12 ✓ click	css=tr:nth-child(3) a	

Command

Target

Value

Description

Log

Reference

7. click on name=submit OK

8. click on linkText=Write Notice OK

9. click on name=notice OK

10. type on name=notice with value Hello employee OK

11. click on name=submit OK

12. click on css=tr:nth-child(3) a OK

Write_Notice_Test completed successfully

23:46:32

23:46:32

23:46:32

23:46:33

23:46:33

23:46:33

23:46:33

Post Condition: We have tested the write Notice operation where we can write notice and insert within system. The testing is successful.

Test Case ID: 8

Test Title: Write FAQ

Precondition: FAQ operation where we can write FAQ and insert within system.

Welcome to dashboard

Logged in as AR

Dashboard

Guests Profile Management

Staffs Management

Staffs Salary Sheet

Write Notice

Setting

write FAQ

write About us

Write FAQ

Submit

1. hello

yes

2. hello

hello

3. what is this??

yes it is

4. what is this??

yes it is

5. what is this??

yes it is

Project: Project Testing with selenium				
Tests	http://localhost/Hotel_Management_System--js-main/view/login.php			
✓ Dashboard_Test	1	✓ open	http://localhost/Hotel_Management_System--js-main/view/login.php	
✓ Guest_Profile_Management	2	✓ set window size	1936x1056	
✓ Login_Test	3	✓ click	name=username	
✓ Sign_Up_Test	4	✓ type	name=username	AR
✓ Staffs_Management_Test	5	✓ click	name=password	
✓ Staffs_Salary_Sheet_Test	6	✓ type	name=password	123456789
✓ Write_About_Us_Test	7	✓ click	name=submit	
✓ Write_Faq_Test	8	✓ click	linkText=write FAQ	
Write_Notice_Test	9	✓ click	name=faq	
	10	✓ type	name=faq	what is this??
	11	✓ click	name=answer	
	12	✓ type	name=answer	yes it is
	13	✓ click	name=submit	
Command				
Target				
Value				
Description				
Log				
Reference				
8. click on linkText=write FAQ OK				
9. click on name=faq OK				
10. type on name=faq with value what is this?? OK				
11. click on name=answer OK				
12. type on name=answer with value yes it is OK				
13. click on name=submit OK				
"Write_faq_Test" completed successfully				

Post Condition: We have tested the write FAQ operation where we can write FAQ and insert within system. As you can see, the testing is successful.

Test Case ID: 9

Test Title: Write About Us.

Precondition: About Us operation where we can some write about us and insert within system

Welcome to dashboard

Logged in as AR

Dashboard

Guests Profile Management

Staffs Management

Staffs Salary Sheet

Write Notice

Setting

write FAQ

write About us

Write About Us

Submit

hello fine

hello fine

hello fine

Selenium IDE - Project Testing with selenium

Project: Project Testing with selenium

Tests

Search tests...

Dashboard_Test

Guest_Profile_Management_Test

Login_Test

Sign_Up_Test

Staffs_Management_Test

Staffs_Salary_Sheet_Test

Write_About_Us_Test

Write_Faq_Test

Write_Notice_Test

Command

Target

Value

Description

Log

Reference

6. type on name=password with value 123456789 OK 23:45:22

7. click on name=submit OK 23:45:22

8. click on linkText=write About us OK 23:45:22

9. click on name=about OK 23:45:22

10. type on name=about with value hello fine OK 23:45:22

11. click on name=submit OK 23:45:23

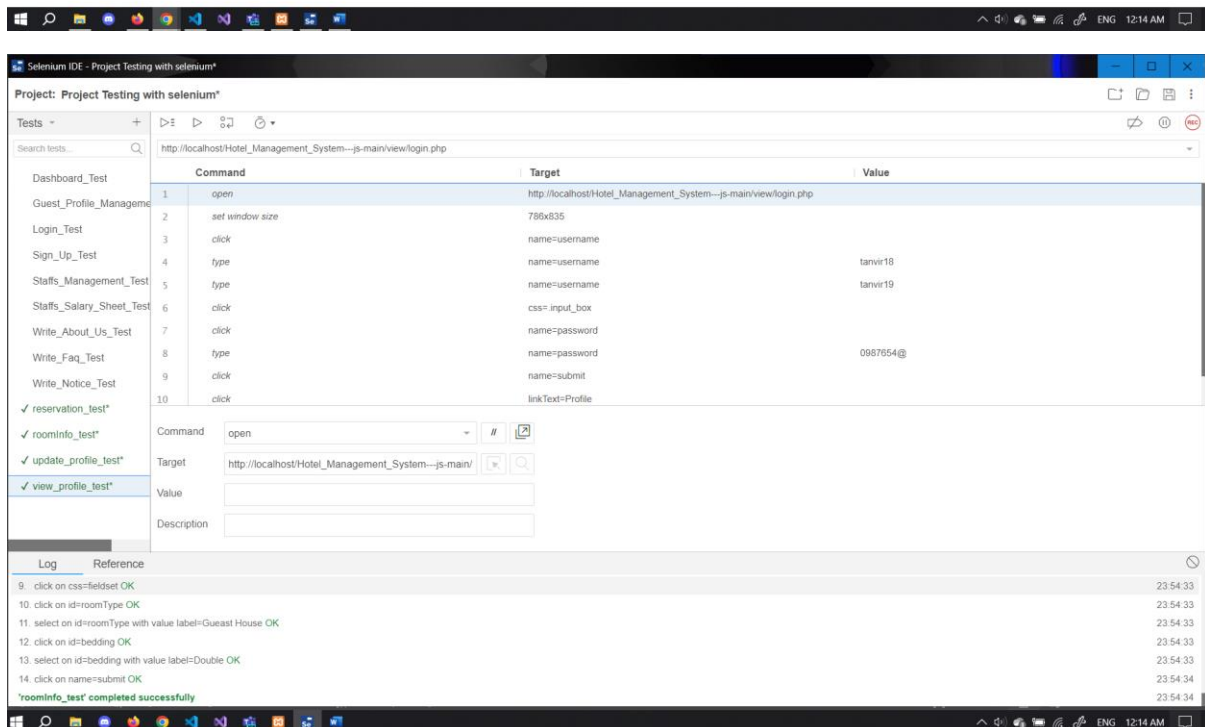
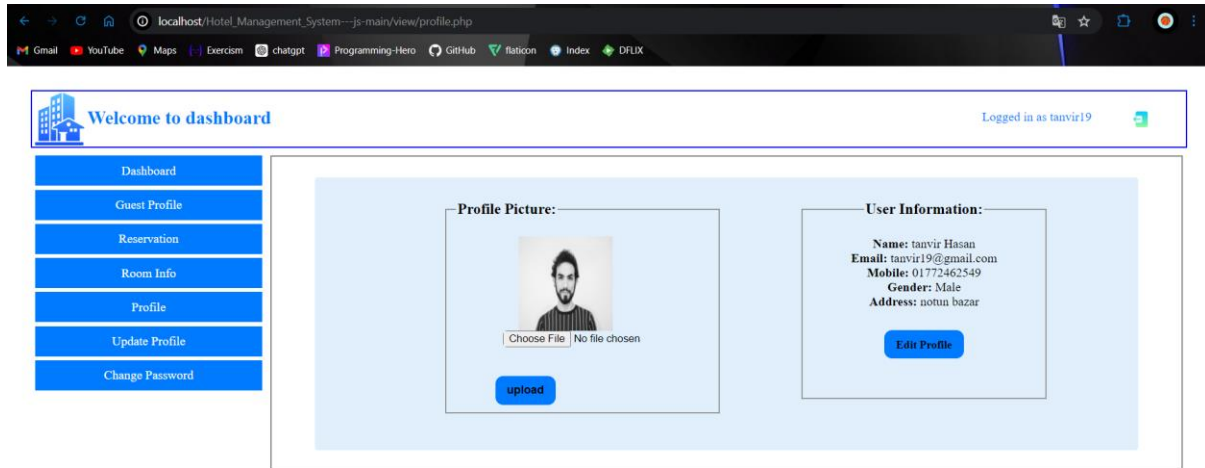
Write_About_Us_Test completed successfully 23:45:23

Post Condition: We have tested the write About Us operation where we can some write about us and insert within system. As you can see, the testing is successful.

Test Case ID: 10

Test Title: User Profile Picture and Information show.

Precondition: User can view his profile picture and information.

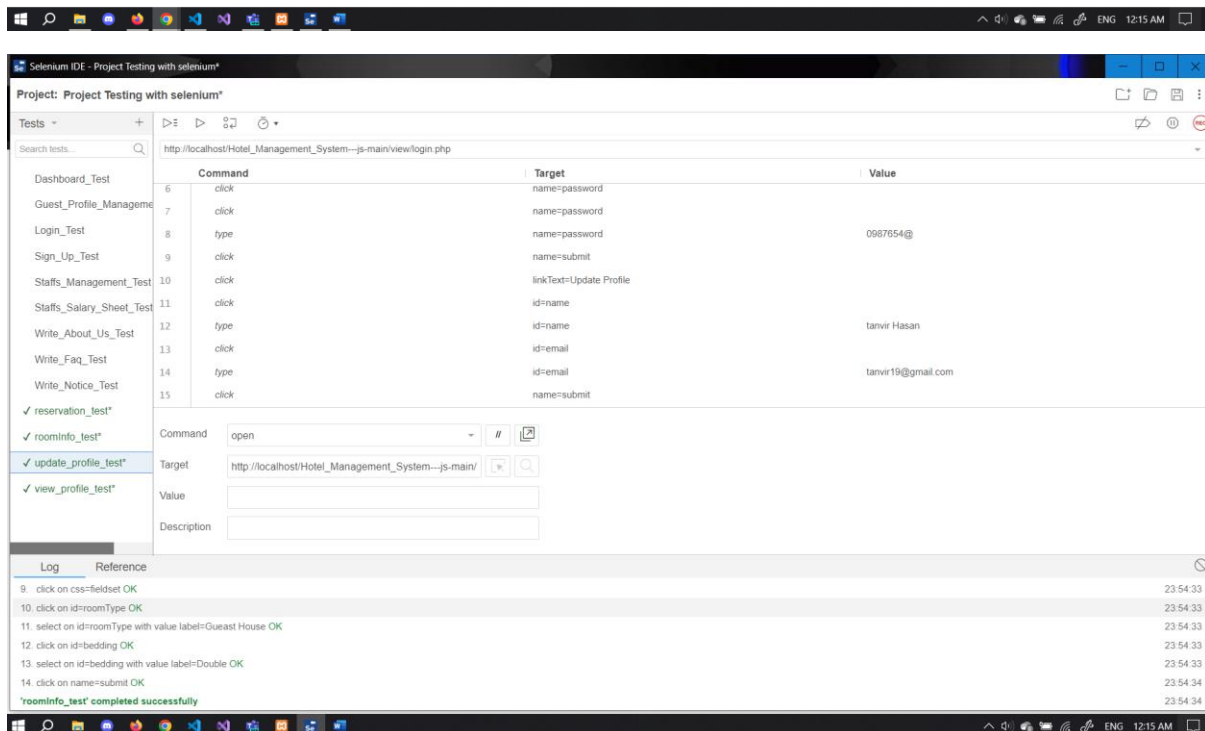
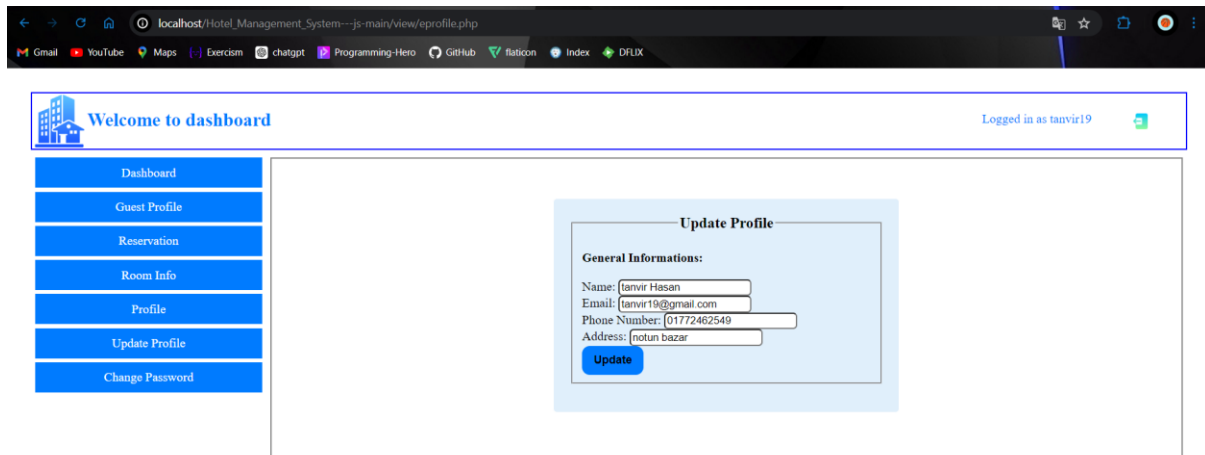


Post Condition: Upon successful user Login User can show his provided picture and information. The test case was successful.

Test Case ID: 11

Test Title: User Profile Picture and Information show.

Precondition: User can update his profile information.



Post Condition: User can update his profile information by providing valid information. The test was successful.

Test Case ID: 12

Test Title: User can make a Reservation.

Precondition: User hotel reservation with CheckIn and CheckOut.

The screenshot shows a web application interface for hotel reservation management. The browser address bar indicates the URL is `localhost/Hotel_Management_System--js-main/view/reservationManagement.php`. The page has a sidebar with navigation links: Dashboard, Guest Profile, Reservation, Room Info, Profile, Update Profile, and Change Password. The main content area is titled "Welcome to dashboard" and shows the user is logged in as "tanvir19". Below this, there is a "Make a Reservation" form with fields for "Enter Name", "Enter Username", "Enter Room No", "Check In" (with a date picker), and "Check Out" (with a date picker). A "Reserved" button is present. Below the form is a table listing reservations.

User Name	Name	Room No	Check In	Check Out	Status	
asha	Asha Akthar	5040	2023-11-23	2023-11-28	Confirmed	DELETE CONFIRM
sadi	sadi islam	1022	2023-11-22	2023-11-25	Confirmed	DELETE CONFIRM
tanvir	tanvir islam	1111	2023-12-13	2023-12-20	Confirmed	DELETE CONFIRM
tazdik	tazdik hassain	2222	2023-12-13	2023-12-20	Confirmed	DELETE CONFIRM

The screenshot displays the Selenium IDE interface for a test suite titled "Project: Testing with selenium*". The test suite is named "reservation_test*" and is currently running. The test steps are listed in the "Log" tab, showing the execution of various commands like "open", "set window size", "click", "type", and "click" on the reservation management page. The "Reference" tab shows the details of the test steps, including the command, target, value, and description.

Command	Target	Value
1. open	http://localhost/Hotel_Management_System--js-main/view/login.php	
2. set window size	790x835	
3. click	name=username	
4. type	name=username	tanvir19
5. click	name=password	
6. type	name=password	0087654@
7. click	name=submit	
8. click	linkText=Reservation	
9. click	id=name	
10. type	id=name	tanvir

Log Reference

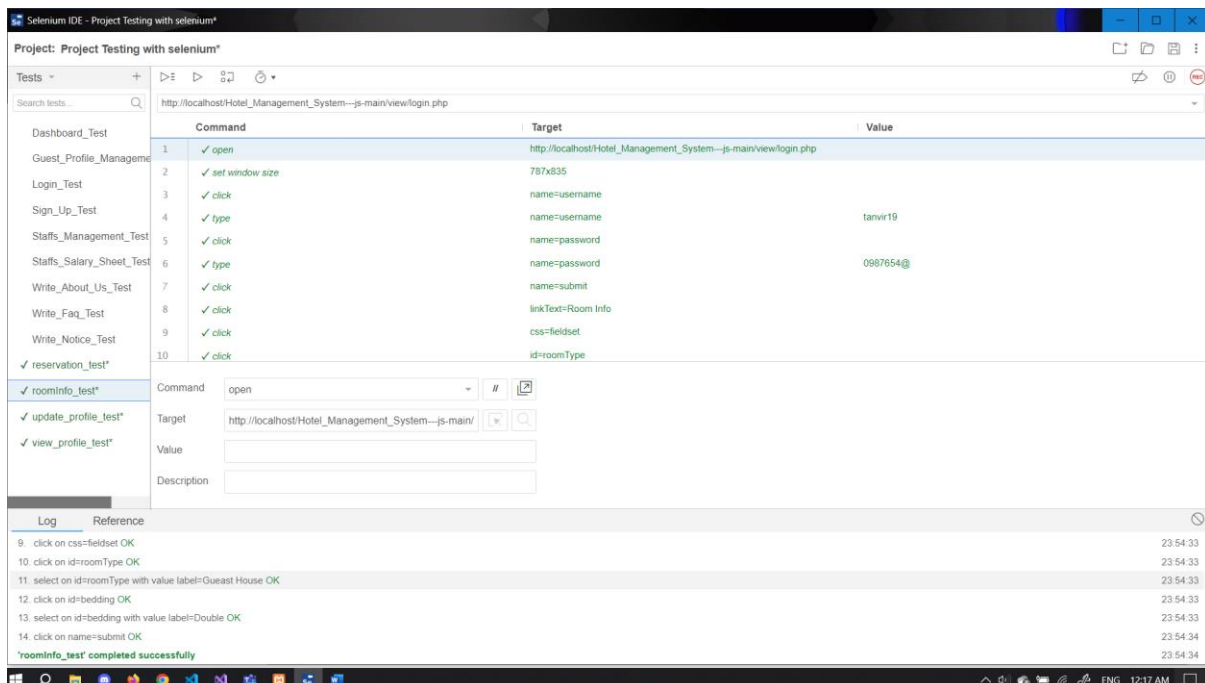
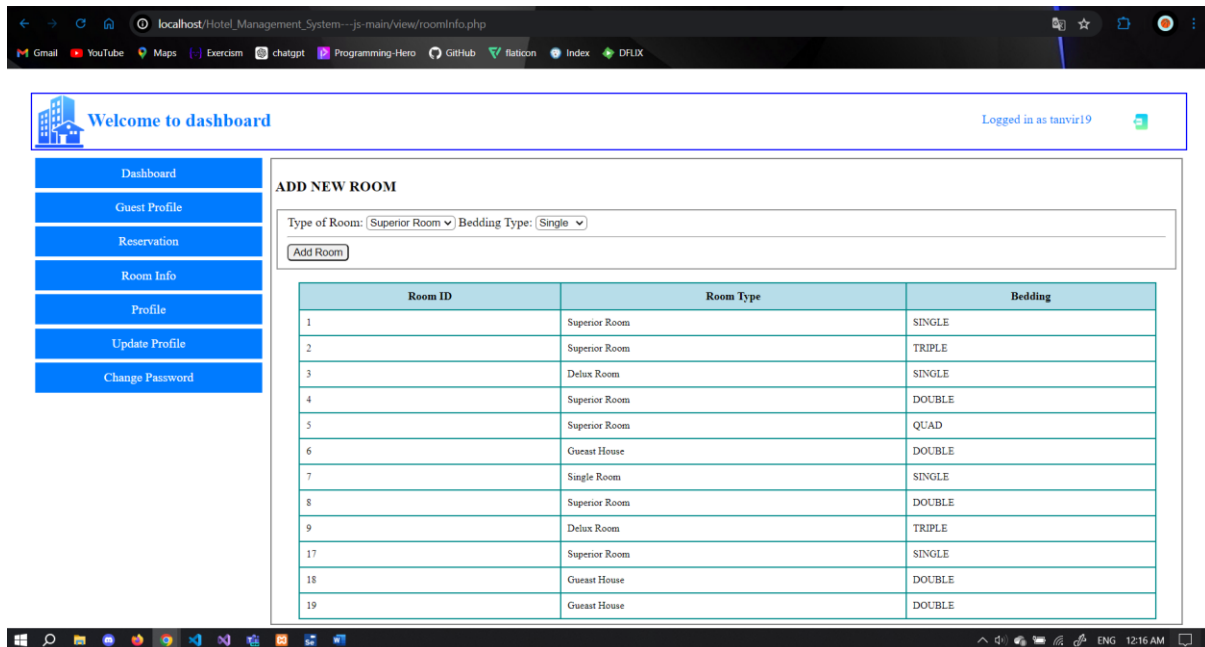
Step	Description	Time	
9	click on css=fieldset OK	23:54:33	
10	click on id=roomType OK	23:54:33	
11	select on id=roomType with value label=Guest House OK	23:54:33	
12	click on id=bedding OK	23:54:33	
13	select on id=bedding with value label=Double OK	23:54:33	
14	click on name=submit OK	23:54:34	
roomInfo_test completed successfully			23:54:34

Post Condition: User can make a reservation by providing valid information for reservation. Test can was successful.

Test Case ID: 13

Test Title: Add new room.

Precondition: Manager can add new room to the new customer.



Post Condition: Manager can add new room for the newly registered customer. the test case was successful.

Summary of the test results for the Hotel Management System:

- Total number of tests: 13
- Number of tests passed: 13
- Number of tests failed: 0
- Percentage of tests passed: 100%

Defects Identified: None

Conclusion: The testing of the Hotel Management System using the provided test cases has shown excellent results with a 100% success rate. All the test cases executed successfully, indicating that the system is functioning as expected.