



IT313-Software Engineering

GUI Testing

Guest House Booking System

Group 6

Group members

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Round 1: Using walk-through system

Websites:

1. Hotel Management site.

Fault detected:

- (i) logout not working.
- (ii) Sidebar not working in inventory
- (iii) After booking room booking is not shown in the booking history.
- (iv) email not rendering in the profile section.
- (v) Select no. of rooms on the booking page - not working.

After only these fault detections, testing was stopped. The testing team reported these faults to the developing team. They revisited the code and rectified it.

Round 2: Using Selenium IDE

GUI testing is done using Selenium IDE:

Web Sites:

1. Hotel Management site
2. Booking Website.

Testing pages:

1. (a) Login/ logout

The screenshot displays the Selenium IDE interface for a project named "GUI testing". The test suite "Test-1 Management Login" is selected, showing a sequence of 10 commands. The commands are as follows:

Step	Command	Target	Value
1	open	https://guesthouse-management-system.vercel.app/login	
2	set window size	894x824	
3	type	id=emailId	raj_kumar@gmail.com
4	type	id=password	adminpasswird
5	send keys	id=password	\$(KEY_ENTER)
6	click	css= flex-column	
7	type	id=password	adminpassword
8	send keys	id=password	\$(KEY_ENTER)
9	click	css= rounded-circle	
10	click	css= btn-danger	

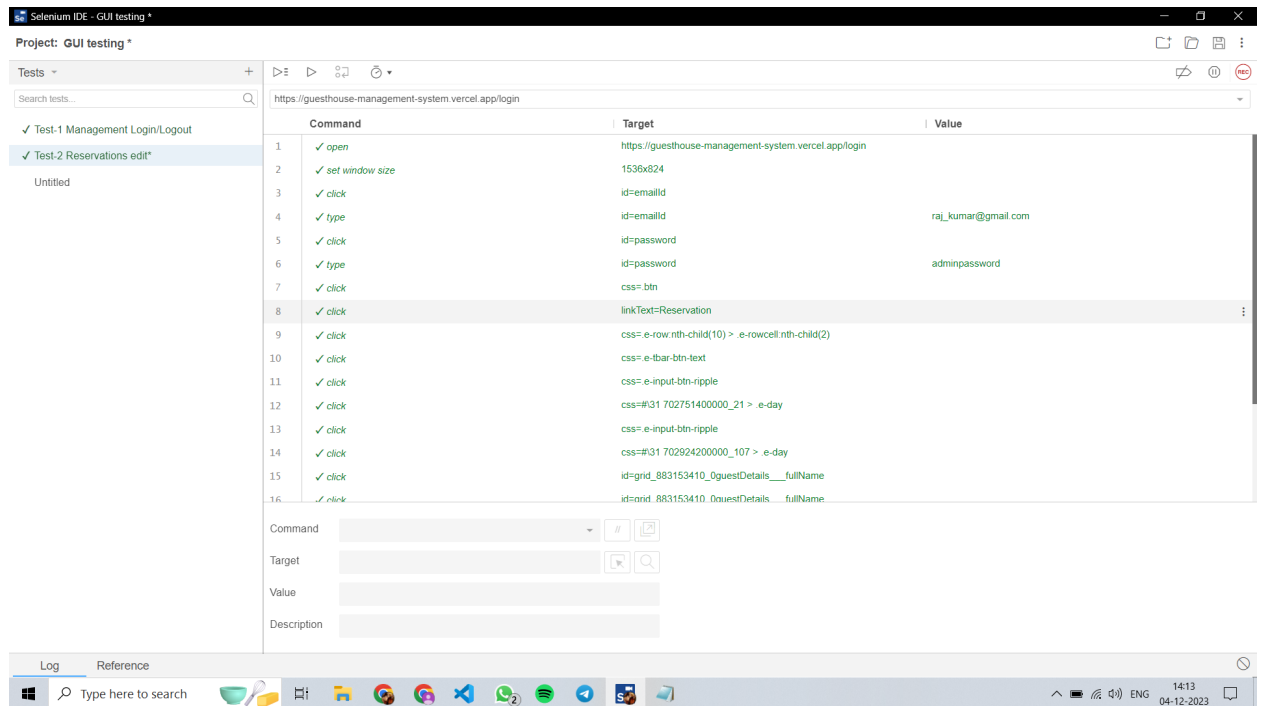
Below the command list, there are input fields for Command, Target, Value, and Description. The "Log" tab is active, showing a detailed log of the test execution:

- 5. sendKeys on id=password with value \$(KEY_ENTER) OK 13:24:18
- 6. click on css= flex-column OK 13:24:22
- 7. type on id=password with value adminpassword OK 13:24:25
- 8. sendKeys on id=password with value \$(KEY_ENTER) OK 13:24:28
- 9. click on css= rounded-circle OK 13:24:31
- 10. click on css= btn-danger OK 13:24:34

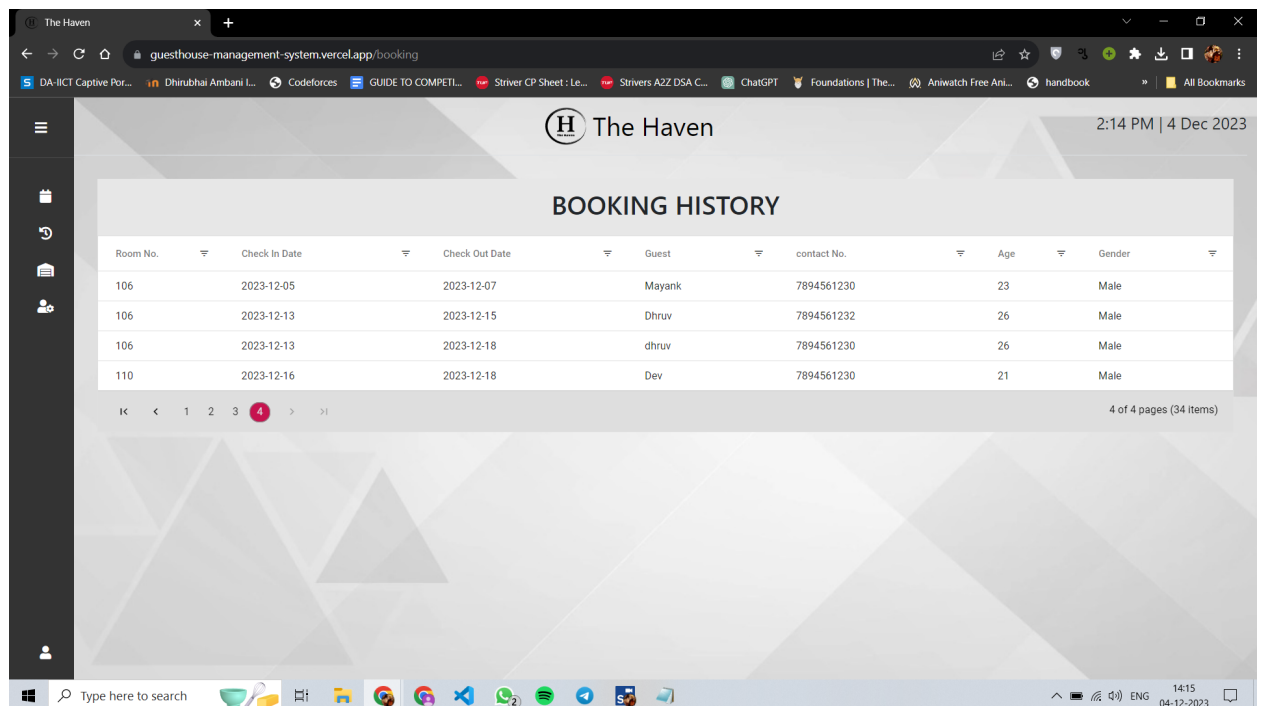
The test suite "Test-1 Management Login/Logout" completed successfully at 13:24:35. The Windows taskbar at the bottom shows the time as 13:24 on 04-12-2023.

Login and logout are happening successfully. All buttons are working properly.

(b) Reservations



Booking from the management side, i.e., booking done by hotel staff for customers who booked rooms offline. Working fine.



Also, it is showing on the booking history page.

(c) Inventory

Selenium IDE - GUI testing *

Project: GUI testing *

Tests

Search tests...

Run current test Ctrl+R

Test suite: management-system.vercel.app

Command	Target	Value
1 open	/	
2 set window size	894x624	
3 click	linkText=Inventory	
4 click	css=icon-suffix	
5 click	css=e-row:nth-child(8) > e-rowcell:nth-child(1)	
6 click	css=#grid_1633338642_0_delete > e-tbar-btn-text	

Log

Reference

2. Selenium IDE v4.0.0-RC1

3. Trying to find linkText=Inventory... OK 14:43:09

4. click on css=icon-suffix OK 14:43:10

5. click on css=e-row:nth-child(8) > e-rowcell:nth-child(1) OK 14:43:11

6. click on css=#grid_1633338642_0_delete > e-tbar-btn-text OK 14:43:12

Test-3 Inventory completed successfully 14:43:13

Type here to search

14:43 04-12-2023

delete operation was successful.

Selenium IDE - GUI testing

Project: GUI testing

Tests

- ✓ Test-1 Management Login/Logout
- ✓ Test-2 Reservations edit*
- ✓ Test-3 Inventory*
- ✓ Test-4 inventory addition*
- Untitled

Search tests...

https://guesthouse-management-system.vercel.app

	Command	Target	Value
1	open	/	
2	set window size	896x824	
3	click	linkText=Inventory	
4	click	css=#grid_1633338642_0_add > e-tbar-btn-text	
5	click	css=e-footer-content:nth-child(3) > e-primary	

Command

Target

Value

Description

Log

Reference

1. open on / OK 14:45:28

2. setWindowSize on 896x824 OK 14:45:29

3. Trying to find linkText=Inventory... OK 14:45:29

4. Trying to find css=#grid_1633338642_0_add > e-tbar-btn-text... OK 14:45:30

5. click on css=e-footer-content:nth-child(3) > e-primary OK 14:45:31

Test-4 inventory addition completed successfully 14:45:31

Type here to search

14:45 04-12-2023

addition operation was successful.

(d) Booking history

The screenshot displays the Selenium IDE interface for a project named 'GUI testing'. The 'Tests' pane on the left lists several test cases, with 'Test-4 Booking history*' selected. The main area shows a table of test steps for this selected test case.

	Command	Target	Value
1	open	/	
2	set window size	808x624	
3	click	linkText=Booking History	
4	click	css=e-next	
5	click	css=e-next	
6	click	css=e-last	
7	click	css=e-first	

Below the table, there are input fields for 'Command', 'Target', 'Value', and 'Description'. The 'Log' pane at the bottom shows the execution progress, indicating that the test case 'Test-4 Booking history' completed successfully at 14:57:56.

All buttons are working and the booking history is consistent with reservations.

(e) staff details

Selenium IDE - GUI testing

Project:

GUI testing

Tests +

Search tests...

✓ Test-1 Management Login/Logout

✓ Test-2.1 Reservations edit*

✓ Test-3.1 inventory deletion*

✓ Test-3.2 inventory addition*

✓ Test-4 Booking history*

✓ Test-5 Staff details edit*

https://guesthouse-management-system.vercel.app

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	896x824	
3	✓ click	linkText=Staff Details	
4	✓ click	css= e-row:nth-child(1) > e-rowcell:nth-child(1)	
5	✓ click	css=#grid_1673247126_0_edit > e-tbar-btn-text	
6	✓ mouse over	css=#grid_1673247126_0_edit > e-tbar-btn-text	
7	✓ mouse out	css=#grid_1673247126_0_edit > e-tbar-btn-text	
8	✓ click	css= e-input-focus	
9	✓ click	id=4566-2	
10	✓ click	css= e-spin-up	
11	✓ click	css= e-spin-up	

Command

Target

Value

Description

LogReference

20: click on css= e-spin-up OK

27: click on css= e-spin-up OK

28: click on css= e-spin-up OK

29: click on css= e-spin-up OK

30: click on css= e-footer-content:nth-child(3) > e-primary OK

Test-5 Staff details edit* completed successfully

15:00:29

15:00:28

15:00:29

15:00:29

15:00:29

15:00:29

Staff details are successfully updated.

Selenium IDE - GUI testing *

Project: GUI testing *

Tests

Search tests...

Run current test Ctrl+R

Command	Target	Value
1 open	/	
2 set window size	1552x840	
3 click	linkText=Staff Details	
4 click	css=e-next	
5 click	css=e-allow > e-rowcell:nth-child(1)	
6 click	css=#grid_1673247126_0_delete > e-tbar-btn-text	

Command

Target

Value

Description

Log

Reference

3. Trying to find linkText=Staff Details... OK

4. click on css=e-next OK

5. click on css=e-allow > e-rowcell:nth-child(1) OK

6. click on css=#grid_1673247126_0_delete > e-tbar-btn-text OK

Test-5.2 Staff deletion' completed successfully

15:02:02

15:02:03

15:02:05

15:02:06

15:02:07

04.12.2022

Staff deletion is a success.

Selenium IDE - GUI testing

Project: GUI testing

Tests

Search tests...

Run current test Ctrl+R

management-system.vercel.app

	Command	Target	Value
1	open	/	
2	set window size	896x824	
3	click	linkText=Staff Details	
4	click	css=#grid_1673247126_0_add > e-tbar-btn-text	
5	click	css= e-footer-content:nth-child(3) > e-primary	

Command

Target

Value

Description

Log

Reference

1. open on / OK 15:03:51

2. setWindowSize on 896x824 OK 15:03:51

3. Trying to find linkText=Staff Details... OK 15:03:51

4. click on css=#grid_1673247126_0_add > e-tbar-btn-text OK 15:03:52

5. click on css= e-footer-content:nth-child(3) > e-primary OK 15:03:53

***Test-5.3 Staff Addition* completed successfully** 15:03:53

Type here to search

1503 04-12-2023

The new staff has been successfully added.

(f) profile edit

Project: GUI testing *

Tests +

Search tests...

Run current test Ctrl+R

	Command	Target	Value
1	open	/	
2	set window size	896x624	
3	click	css= rounded-circle	
4	click	css= btn-info	
5	click	css= row:nth-child(5) form-control	
6	type	css= row:nth-child(5) form-control	7894561237
7	click	css= row:nth-child(9) form-control	
8	type	css= row:nth-child(9) form-control	21
9	click	css= btn-info	
10	click	css= btn-danger	

Command

Target

Value

Description

Log Reference

6. type on css= row:nth-child(5) form-control with value 7894561237 OK 15:08:50

7. click on css= row:nth-child(9) form-control OK 15:08:50

8. type on css= row:nth-child(9) form-control with value 21 OK 15:08:50

9. click on css= btn-info OK 15:08:50

10. click on css= btn-danger OK 15:08:50

Test-6 profile edit completed successfully

editing profile is a success.

2. (a) Login/ logout

Project: GUI testing *

Search tests...

- ✓ Test-1 Management Login/Logout
- ✓ Test-2.1 Reservations edit*
- ✓ Test-3.1 inventory deletion*
- ✓ Test-3.2 inventory addition*
- ✓ Test-4 Booking history*
- ✓ Test-5.1 Staff details edit*
- ✓ Test-5.2 Staff deletion*
- ✓ Test-5.3 Staff Addition*
- ✓ Test-6 profile edit*
- ✓ **Test-7 Online booking login/logout***

Command	Target	Value
1 ✓ open	https://guesthouse-booking-system.vercel.app/login	
2 ✓ set window size	806x624	
3 ✓ type	id=emailid	devchangelia633@gmail.com
4 ✓ type	id=password	Han2853@
5 ✓ send keys	id=password	\$(KEY_ENTER)
6 ✓ click	css=nav-link	
7 ✓ click	css=btn-danger	

Command: #

Target:

Value:

Description:

Log **Reference**

- 3. type emailid with value devchangelia633@gmail.com OK 15:47:19
- 4. type on id=password with value Han2853@ OK 15:47:20
- 5. sendKeys on id=password with value \$(KEY_ENTER) OK 15:47:21
- 6. click on css=nav-link OK 15:47:23
- 7. click on css=btn-danger OK 15:47:24
- *Test-7 Online booking login/logout* completed successfully** 15:47:25

Type here to search

15:47 04-12-2023

It is working fine.

(b) Signup

Project: GUI testing *

Search tests...

- ✓ Test-1 Management Login/Logout
- ✓ Test-2.1 Reservations edit*
- ✓ Test-3.1 inventory deletion*
- ✓ Test-3.2 inventory addition*
- ✓ Test-4 Booking history*
- ✓ Test-5.1 Staff details edit*
- ✓ Test-5.2 Staff deletion*
- ✓ Test-5.3 Staff Addition*
- ✓ Test-6 profile edit*
- ✓ Test-7 Online booking login/logout*
- ✓ **Test-8 Sign-up***

Command	Target	Value
4 ✓ type	id=emailid	dheray@gmail.com
5 ✓ type	id=firstName	Dheray
6 ✓ type	id=lastName	Patel
7 ✓ type	id=age	23
8 ✓ type	id=password	Han2853@
9 ✓ type	id=contactNo	7894561230
10 ✓ click	id=gender	
11 ✓ select	id=gender	label=Male
12 ✓ click	css=pt-4	
13 ✓ click	css=object-fit-cover	

Command: #

Target:

Value:

Description:

Log **Reference**

- 9. type emailid with value dheray@gmail.com OK 15:51:30
- 10. click on id=gender OK 15:51:36
- 11. select on id=gender with value label=Male OK 15:51:37
- 12. click on css=pt-4 OK 15:51:37
- 13. Trying to find css=object-fit-cover... OK 15:51:37
- *Test-8 Sign-up* completed successfully** 15:51:38

Type here to search

15:55 04-12-2023

They were successfully signed up.