

# **IT313 Software Engineering**

## **GUI Testing**



**ENGINEERS WITH  
SOCIAL RESPONSIBILITY**

## **Software Engineering Project**

### **Group 7**

**December 2, 2023**

#### **List of Webpages in Routier**

1. Sign-in Page
2. Login Page
3. Homepage
4. Homepage after Login
5. About Us
6. About Us - Our Team
7. Place Details

8. Place - Essentials details

9. Profile Page - Reviews

10. Profile Page - Favourites

11. Profile Page – Trips

12. Review Page

13. Navbar

14. Search Bar

## 1. Sign-in Page:

Functionality	Comments	Errors to be resolved
Text	Done, All text aligned	None
Text-fields	Done, all text fields working	None
Dropdown	No drop-down	None
Buttons	Done	None
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI	None
Image	Good selection of images which provides a nice contrast to the theme.	None
Other	Great UI Overall	None

## Test cases in selenium:

Text-fields:

Extension: (Selenium IDE) - Selenium IDE - Sign-inPage\* — Mozilla Firefox

Project: Sign-inPage\*

Tests ▾ +

Search tests... 🔍

https://routier.vercel.app/signup

	Command	Target	Value
1	✓ open	https://routier.vercel.app/signup	
2	✓ click	id=name	
3	✓ type	id=name	user student
4	✓ click	id=email1	
5	✓ type	id=email1	user1234@gmail.com
6	✓ click	id=password	
7	✓ type	id=password	Student@1234
8	✓ click	id=cpassword	
9	✓ type	id=cpassword	Student@1234

Command: open // [🔗]

Target: https://routier.vercel.app/signup [🔗] 🔍

Value:

Description:

Log Reference

7. type on id=password with value Student@1234 OK 23:41:02

8. click on id=cpassword OK 23:41:02

9. type on id=cpassword with value Student@1234 OK 23:41:02

'Text-Fields' completed successfully 23:41:02

Buttons:

Extension: (Selenium IDE) - Selenium IDE - Sign-inPage\* — Mozilla Firefox

Project: Sign-inPage\*

Tests ▾ +

Search tests... 🔍

https://routier.vercel.app/signup

	Command	Target	Value
3	✓ click	id=name	
4	✓ type	id=name	StudentTester
5	✓ click	id=email1	
6	✓ type	id=email1	Student@gmail.com
7	✓ click	id=password	
8	✓ type	id=password	Student@1234
9	✓ click	id=cpassword	
10	✓ type	id=cpassword	Student@1234
11	Button verification		

Command: open // [🔗]

Target: https://routier.vercel.app/signup [🔗] 🔍

Value:

Description:

Log Reference

9. click on id=cpassword OK 23:43:39

10. type on id=cpassword with value Student@1234 OK 23:43:40

11. click on css=Signup\_signupSubmit\_\_p25tN OK 23:43:40

'Buttons' completed successfully 23:43:40

## 2. Log-in Page:

Functionality	Comments	Errors to be resolved
Text	Done, All text aligned	None
Text-fields	Done, all text fields working	None
Dropdown	No drop-down	None
Buttons	Done, Buttons have a nice style making them easy to read	Image was overlaying on top of button on certain resolutions - fixed
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI, all links working	None
Image	Good selection of images	None
Other	Great UI Overall	None

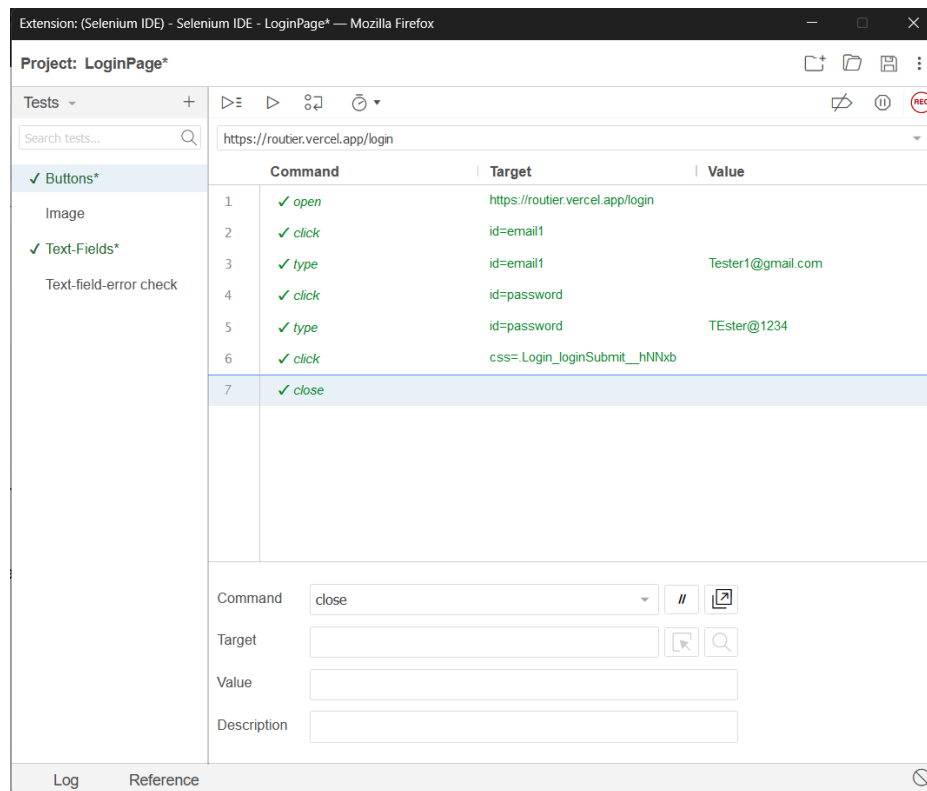
## Test cases in selenium:

Text-fields:

The screenshot displays the Selenium IDE interface within a Mozilla Firefox browser window. The title bar reads "Extension: (Selenium IDE) - Selenium IDE - LoginPage\* — Mozilla Firefox". The main interface is titled "Project: LoginPage\*" and features a "Tests" sidebar on the left with a search bar and a list of test categories: "Buttons", "Image", "✓ Text-Fields\*", and "Text-field-error check". The central pane shows a table of test commands for the URL "https://routier.vercel.app/login". The table has three columns: "Command", "Target", and "Value". It lists five commands: 1. "open" with target "https://routier.vercel.app/login", 2. "click" with target "id=email1", 3. "type" with target "id=email1" and value "Tester1@gmail.com", 4. "click" with target "id=password", and 5. "type" with target "id=password" and value "Tester@1234". Each command is preceded by a green checkmark. At the bottom, there is a configuration area with fields for "Command" (set to "open"), "Target" (set to "https://routier.vercel.app/login"), "Value", and "Description". The bottom status bar includes "Log" and "Reference" tabs and a refresh icon.

	Command	Target	Value
1	✓ open	https://routier.vercel.app/login	
2	✓ click	id=email1	
3	✓ type	id=email1	Tester1@gmail.com
4	✓ click	id=password	
5	✓ type	id=password	Tester@1234

## Buttons:

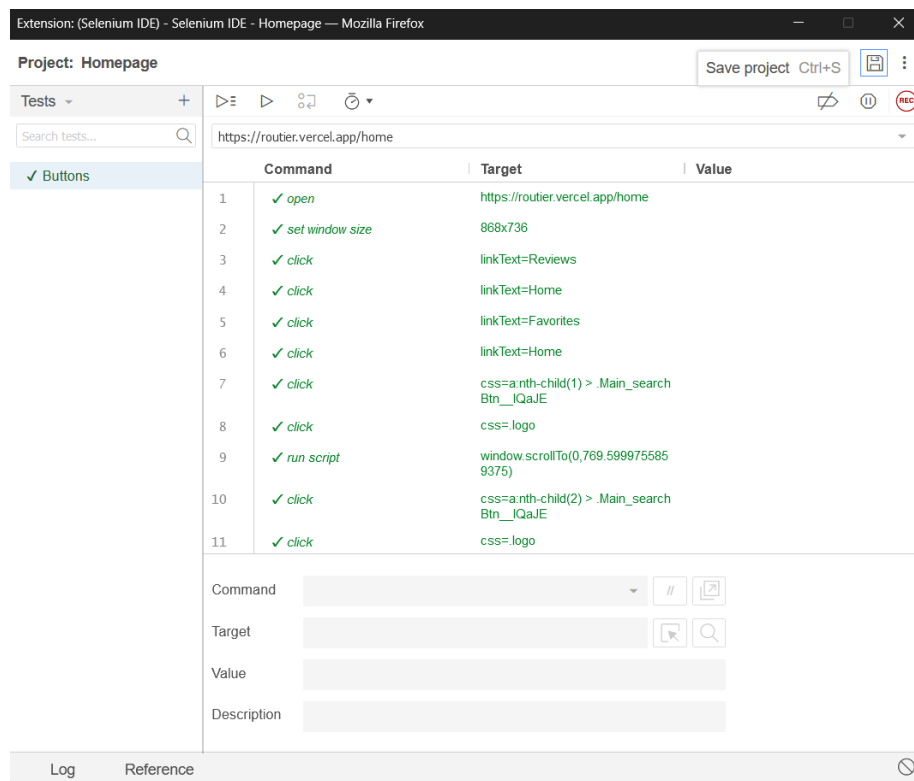


## 3.Homepage:

Functionality	Comments	Errors to be resolved
Text	Done, All text aligned	None
Text-fields	One text-field (included in search bar testing)	None
Dropdown	No drop-down	None
Buttons	Done, Buttons do not route as user has not logged in (intended)	None
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	All links working perfectly	None
Image	Good selection of images	None
Other	Great UI Overall	None

## Selenium Test cases:

Buttons:

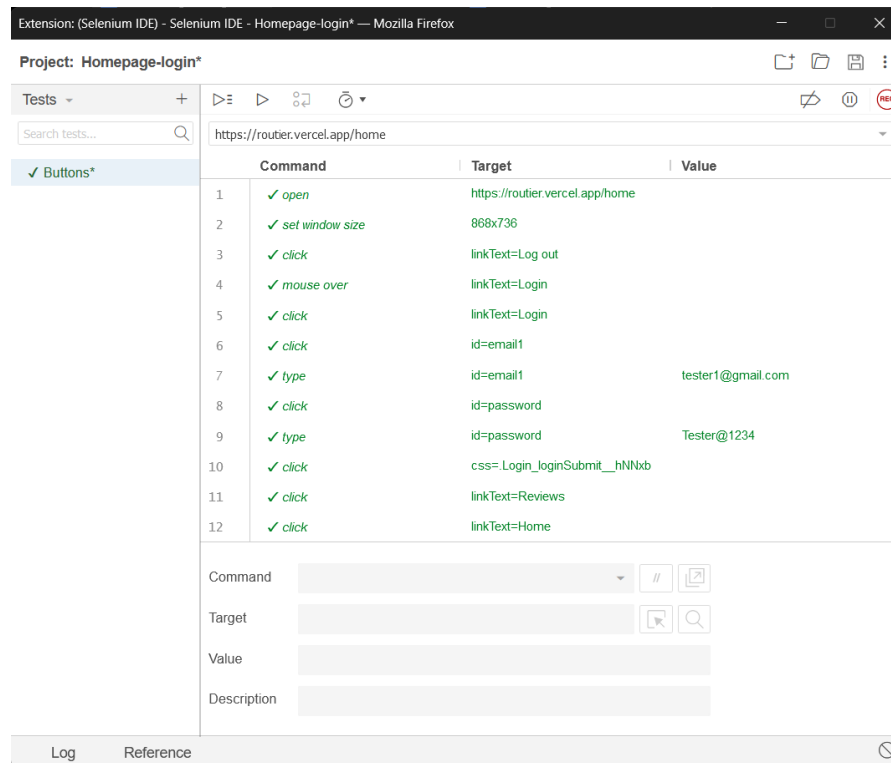


## 4.Homepage after Login:

Functionality	Comments	Errors to be resolved
Text	Done, All text aligned	None
Text-fields	One text-field (included in search bar testing)	None
Dropdown	No drop-down	None
Buttons	Done, Buttons have a nice style making them easy to read	None
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	All links working perfectly	None
Image	Good selection of images	None
Other	Great UI Overall	None

## Selenium Test Cases:

Buttons:



## 5. About Us Page :

Functionality	Comments	Errors to be resolved
Text	Done, good UI	None
Text-fields	No text field (not required)	None
Dropdown	No drop-down (not required)	None
Buttons	No Buttons	
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	Footers link is not applicable
Image	Good selection of images which signifies its role	None
Other	Good UI Overall	None

Selenium Test case:

Selenium IDE - SE\*

Project: SE\*

Tests

Search tests...

https://routier.vercel.app

✓ About Us\*

	Command	Target	Value
1	✓ open	/aboutus	
2	✓ set window size	1379x809	
3	✓ click	css=aboutuspart	
4	✓ click	css=p:nth-child(1)	
5	✓ click	css=.ButtonWhenNotSelectedB	
6	✓ click	linkText=go back to home page	

Command

Target

Value

Description

Log

Reference

3. click on css=.aboutuspart OK

4. click on css=p:nth-child(1) OK

5. click on css=.ButtonWhenNotSelectedB OK

6. click on linkText=go back to home page OK

'About Us' completed successfully

23:24:44

23:24:45

23:24:45

23:24:45

23:24:45

6. About Us- Our Team:

Functionality	Comments	Error to be solved
Text	Done, good UI	Change in Heading “Presenting Our team”
Text-fields	No text field (not required)	
Dropdown	No drop-down(not required)	
Buttons	No buttons	
Check Box	No check box	
Radio Button	Not present	
Hyperlink	Good UI and Good contrast between the colours of the links	Footers link is Not clickable



Image	Good selection of images which signifies the role	
Other	Good UI overall	

## Selenium Test Case:

The screenshot displays the Selenium IDE interface. The project is named 'SE\*'. The test case 'Our team' is selected, showing a sequence of 11 commands. The commands are: 1. open (target: https://router.vercel.app/aboutus), 2. set window size (value: 1379x809), 3. click (target: css=.ButtonWhenNotSelectedB), 4. click (target: css=.aboutustext), 5. click (target: css=.aboutustext), 6. click (target: css=.aboutustext), 7. double click (target: css=.aboutustext), 8. click (target: linkText=go back to home page), 9. click (target: linkText=Our Team, status: Not done), 10. click (target: linkText=What is Router?), 11. click (target: linkText=Our Team). The bottom panel shows the command 'click' with target 'linkText=Our Team'. The log at the bottom indicates that the test case 'Our team' completed successfully at 23:26:46.

Command	Target	Value
1. open	https://router.vercel.app/aboutus	
2. set window size	1379x809	
3. click	css=.ButtonWhenNotSelectedB	
4. click	css=.aboutustext	
5. click	css=.aboutustext	
6. click	css=.aboutustext	
7. double click	css=.aboutustext	
8. click	linkText=go back to home page	
9. click	linkText=Our Team	Not done
10. click	linkText=What is Router?	
11. click	linkText=Our Team	

Log:

- 9. click on linkText=Our Team OK 23:26:44
- 10. click on linkText=What is Router? OK 23:26:45
- 11. click on linkText=Our Team OK 23:26:46
- 12. doubleClick on linkText=Our Team OK 23:26:46
- 'Our team' completed successfully 23:26:46

## 7. Place Details:

Functionality	Comments	Errors to be resolved
Text	Done, good UI	None
Text-fields	No text field (not required)	None
Dropdown	No drop-down (not required)	None
Buttons	Done, Good design of the buttons	None
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	None
Image	Good selection of images that display the place	None

Other	Done, Nice animation for slider and great favourites button	None
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Selenium Test Case:

Buttons:

Extension: (Selenium IDE) - Selenium IDE - Place-Details — Mozilla Firefox

Project: Place-Details

Tests +

Search tests...

Buttons

Favourites

Slider

https://router.vercel.app/home

	Command	Target	Value
1	open	https://router.vercel.app/home	
2	set window size	1280x720	
3	click	css=input	
4	type	css=input	udaipur
5	click	css=a:nth-child(4) > button	
6	click	css=a:nth-child(1) > .button	
7	click	css=a:nth-child(2) > .button	
8	mouse over	css=a:nth-child(2) > .button	
9	mouse over	css=a:nth-child(2) > .button	

Command

Target

Value

Description

Log

Reference

18. click on css=.card:nth-child(1) a > img OK

19. click on css=a:nth-child(1) > .button OK

20. close OK

'Buttons' completed successfully

01:35:47

01:35:48

01:35:50

01:35:50

Slider:

Extension: (Selenium IDE) - Selenium IDE - Place-Details — Mozilla Firefox

Project: Place-Details

Tests + [Run current test Ctrl+R] /home

Search tests...

Buttons  
Favourites  
Slider

	Command	Target	Value
1	open	https://routier.vercel.app/place/65586b6043abcc5dba9a043	
2	set window size	1280x720	
3	mouse over	linkText=Hotels	
4	mouse out	linkText=Hotels	
5	click	css=slider:nth-child(2) .swiper-button-next	
6	click	css=slider:nth-child(2) .swiper-button-next	
7	click	css=slider:nth-child(2) .swiper-button-next	

Command // [Select target in page]

Target [Select target in page]

Value

Description

Log Reference

17. click on css=slider:nth-child(3) .swiper-button-prev OK 01:36:49

18. click on css=slider:nth-child(2) .swiper-button-prev OK 01:36:50

19. close OK 01:36:52

'Slider' completed successfully 01:36:52

## Favourites:

Extension: (Selenium IDE) - Selenium IDE - Place-Details — Mozilla Firefox

Project: Place-Details

Tests + [Run current test Ctrl+R] /home

Search tests...

Buttons  
Favourites  
Slider

https://routier.vercel.app/home

	Command	Target	Value
14	click at	css=card:nth-child(2) .swiper-button-prev	
15	click at	css=card:nth-child(2) img:nth-child(2)	
16	mouse over	css=card:nth-child(2) a > img	
17	click at	css=a:nth-child(4) > .button	
18	click at	css=card:nth-child(2) img:nth-child(2)	
19	mouse over	css=card:nth-child(2) a > img	
20	close		

Command open // [Select target in page]

Target https://routier.vercel.app/home [Select target in page]

Value

Description

Log Reference

17. click on css=slider:nth-child(3) .swiper-button-prev OK 01:36:49

18. click on css=slider:nth-child(2) .swiper-button-prev OK 01:36:50

19. close OK 01:36:52

'Slider' completed successfully 01:36:52

## 8. Place - Essentials details:

Functionality	Comments	Errors to be resolved
Text	Done, All text aligned	None
Text-fields	No text field (not required)	None
Dropdown	No drop-down (not required)	None
Buttons	Done, Good design of the buttons	None
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	None
Image	Good selection of images that showcase the place	None
Other	Done, Reviews displayed are good	None

## Selenium Test case:

Buttons:

Extension: (Selenium IDE) - Selenium IDE - Place-Essentials-Details — Mozilla Firefox

Project: Place-Essentials-Details

Save project Ctrl+S

Executing ▾

✓ Buttons

https://router.vercel.app/home

	Command	Target	Value
12	✓ mouse over	css=a.nth-child(1) > .button	
13	✓ mouse out	css=a.nth-child(1) > .button	
14	✓ click	css=a.nth-child(3) > .button	
15	✓ mouse over	css=a.nth-child(4) > .button	
16	✓ click	css=a.nth-child(4) > .button	
17	✓ click	css=a.nth-child(1) > .button	
18	✓ close		

Command ▾ // [X]

Target [X] [Q]

Value

Description

Runs: 1 Failures: 0

Log Reference

16. click on css=a.nth-child(4) > .button OK 01:49:37

17. click on css=a.nth-child(1) > .button OK 01:49:38

18. close OK 01:49:39

'Buttons' completed successfully 01:49:39

## 9. Profile Page Trips:

Functionality	Comments	Errors to be resolved
Text	Done, Good UI, Readable	None
Text-fields	No text field (not required)	None
Dropdown	No drop-down (not required)	None
Buttons	Good Designs	Need more contrast
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	Footer link is not clickable
Image	No images	None
Other	Good UI overall	None

## 10. Profile Page Reviews:

Functionality	Comments	Errors to be resolved
Text	Done, Good UI, Readable	None
Text-fields	No text field (not required)	None
Dropdown	No drop-down (not required)	None
Buttons	Good Designs	Need more contrast
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	None
Image	No images	Need alternative text for image "No image submitted"

Other	Good UI overall	Reloading takes us to Trips page instead of review page
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## 11. Profile Page Favourites :

Functionality	Comments	Errors to be resolved
Text	Done, Good UI, Readable	Spelling mistake
Text-fields	No text field (not required)	None
Dropdown	No drop-down (not required)	None
Buttons	Good buttons	Need more contrast
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	None
Image	No images	None
Other	Good UI overall	Not scrollable from top of page

## Selenium Test case:

The screenshot displays the Selenium IDE interface with a project named 'SE\*'. The test case 'Profile page trips\*' is selected, showing a series of commands and targets. The commands include 'click' and 'double click' on various CSS selectors. The log at the bottom indicates that the test case completed successfully.

Command	Target	Value
click	css=Main_profileicon_CWAjl	
click	id=reviews	
click	id=fav	
click	id=reviews	
click	id=trips	
click	css=Profile_expBox__YeOCP:nth-child(1) > .Profile_expTitle__yTFJh	
click	css=profileicon	
click	css=Profile_nametxt__zxRi8	
click	css=Profile_nametxt__zxRi8	
double click	css=Profile_nametxt__zxRi8	

Log:

- 18. click on css=Profile\_emailtxt\_\_a202R OK 23:45:03
- 19. doubleClick on css=Profile\_emailtxt\_\_a202R OK 23:45:03
- 20. click on css=Profile\_emailtxt\_\_a202R OK 23:45:03
- 21. click on css=Profile\_personalCont\_\_g8k5S OK 23:45:03
- 'Profile page trips' completed successfully 23:45:03

## 12. Review Page :

Functionality	Comments	Errors to be resolved
Text	Done, Good UI, Readable	No address after place name
Text-fields	Good and visible text field	None
Dropdown	Dropdown working great	None
Buttons	Good and contrasting button	Need more contrast
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	Our team is not routing to our team page
Image	Good images	None
Other	Good UI overall	None

## Selenium Test case:

The screenshot shows the Selenium IDE interface with a project named 'SE\*'. The test case is titled 'review page input\*'. The test steps are as follows:

Step	Command	Target	Value
1	open	https://router.vercel.app/givereview/65588d001c5f251d62ae81c9?placeName=Ramada%20by%20Wyndham%20Udaipur%20Resort%20and%20Spa&placelImage=https%3A%2F%2Fwww.wyndhamho...	
2	set window size	1200x783	
3	click	linkText=Home	
4	click	linkText=About Us	
5	click	css=.style-module_fillicons__6---A > .star-svg:nth-child (6) > path	
6	click	css=.style-module_fillicons__6---A > .star-svg:nth-child (4) > path	
7	click	css=.style-module_fillicons__6---A > .star-svg:nth-child (3) > path	
8	click	css=.style-module_fillicons__6---A > .star-svg:nth-child (2) > path	
9	click	id=datePicker	

The interface also shows a log at the bottom with the following entries:

- open on https://router.vercel.app/givereview/65588d001c5f251d62ae81c9?placeName=Ramada%20by%20Wyndham%20Udaipur%20Resort%20and%20Spa&placelImage=https%3A%2F%2Fwww.wyndhamhotels.com%2Fcontent%2Fdam%2Fproperty-images%2Fen-us%2Fra%2Fin%2Fothers%2Fudaipur%2F46197%2F46197\_central\_courtyard\_1.jpg&type=hotels OK 00:21:36
- setWindowSize on 1200x783 OK 00:21:36
- click on linkText=Home OK 00:21:36
- Trying to find linkText=About Us... 00:21:37

## 13. Navbar:

Functionality	Comments	Errors to be resolved
Text	Done, Good and visible UI	None
Text-fields	None (not required)	None
Dropdown	No Dropdown (not required)	None
Buttons	Good and contrasting buttons	Need more contrast
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	None
Image	No images	None
Other	Good UI overall	All routes working appropriately

## Selenium Test case:

Extension: (Selenium IDE) - Selenium IDE - Navbar\* — Mozilla Firefox

Project: Navbar\*

Tests + [Run current test Ctrl+R] /home

Search tests...

✓ Buttons\*

Command	Target	Value
✓ click	linkText=go back to home page	
✓ click	linkText=Reviews	
✓ click	linkText=Home	
✓ click	linkText=Favorites	
✓ click	linkText=Home	
✓ click	css=Main_profileicon__CWAjl	
✓ click	css=Profile_logo__q4E1C	
✓ close		

Command [ ] [ ] [ ] [ ]

Target [ ] [ ] [ ] [ ]

Value [ ] [ ] [ ] [ ]

Description [ ] [ ] [ ] [ ]

Log Reference

10. click on css=Main\_profileicon\_\_CWAjl OK 02:17:20

11. click on css=Profile\_logo\_\_q4E1C OK 02:17:21

12. close OK 02:17:22

'Buttons' completed successfully 02:17:22



## 14. Search Bar:

Functionality	Comments	Errors to be resolved
Text	Done, Good and visible UI	None
Text-fields	None (not required)	None
Dropdown	No Dropdown (not required)	None
Buttons	Good and contrasting buttons	Need more contrast
Check Box	No Check Box	None
Radio Button	Not present	None
Hyperlink	Good UI and Good contrast between the colours of the links	None
Image	No images	None
Other	Good UI overall	All routes working appropriately