



IT314
SOFTWARE ENGINEERING

GUI Testing

Group ID 6
Topic: Online Blogging Platform

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Using Selenium:

1. Register-

Uploading image when setting up the user profile results in error because selenium cannot get the photo.

The screenshot shows the Selenium IDE interface for a project named 'IT314-Blogging Platform*'. The 'Register*' test is selected, and the 'Run current test' button is visible. The command log shows the following steps:

Command	Target	Value
open	/	
set window size	1552x832	
click	css= fa-user	
click	css= block	
click	linkText=Sign up	
click	name=name	
type	name=name	User1
click	name=email	
click	name=email	
type	name=email	testuser1@gmail.com
click	name=password	
type	name=password	123456
click	css= p-3	
click	css= w-4 > circle	
type	id=profilePicture	C:\fakepath\images.png

The final command, 'type' on 'id=profilePicture', is marked with a red 'X' and an error message. Below the log, the 'Runs: 1 Failures: 1' status is displayed.

All buttons and text fields work fine. Here we have not uploaded picture so no error is encountered.

The screenshot shows the Selenium IDE interface for the same project. The 'Register*' test is selected, and the 'Run current test' button is visible. The command log shows the following steps:

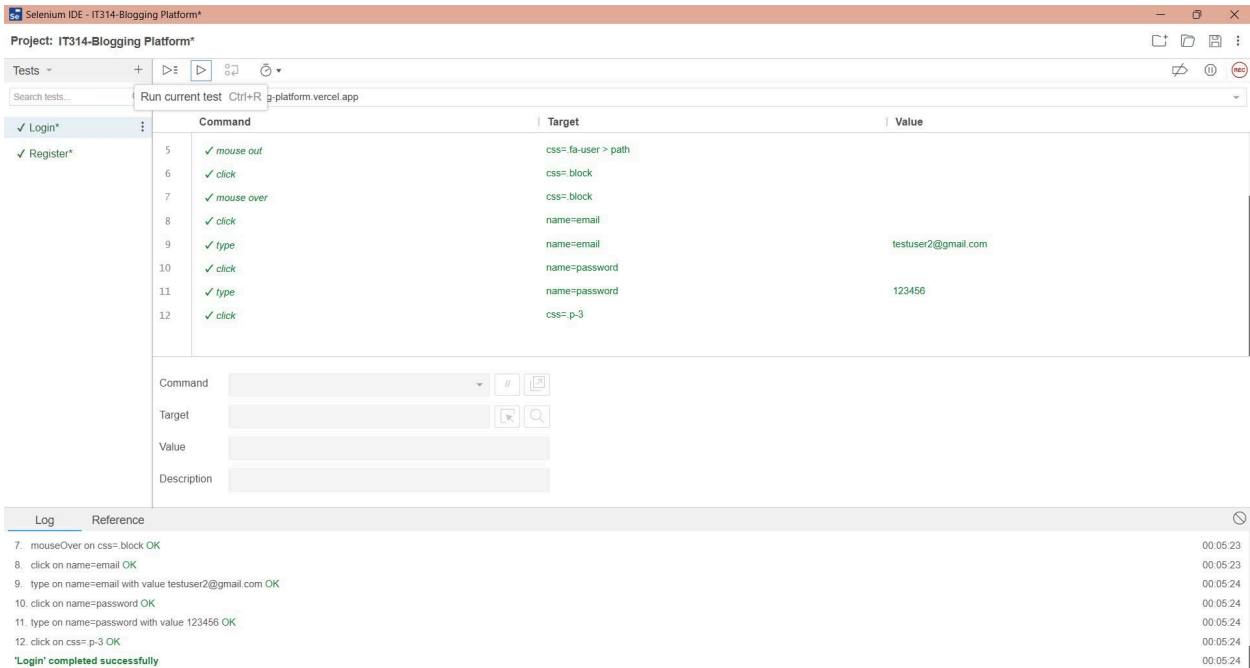
Command	Target	Value
type	css=div:nth-child(2) > .block:nth-child(2)	20
click	css= resize-none	
type	css= resize-none	Engineer
click	css=div:nth-child(4) > .relative > block	
type	css=div:nth-child(4) > .relative > block	Location, Country
click	css=div:nth-child(5) > .relative > block	
type	css=div:nth-child(5) > .relative > block	Technology
click	css= py-4	
run script	window.scrollTo(0,0)	

The test run is successful, and the status bar at the bottom indicates 'Register* completed successfully'. The log shows the following messages:

- 20. click on css=div:nth-child(4) > .relative > block OK
- 21. type on css=div:nth-child(4) > .relative > block with value Location, Country OK
- 22. click on css=div:nth-child(5) > .relative > block OK
- 23. type on css=div:nth-child(5) > .relative > block with value Technology OK
- 24. click on css= py-4 OK
- 25. runScript on window.scrollTo(0,0) OK

2. Login-

All buttons and text fields work fine.



The screenshot shows the Selenium IDE interface for a project named "IT314-Blogging Platform". The test suite "Login*" is selected, and the test "Register*" is being executed. The script consists of 12 steps:

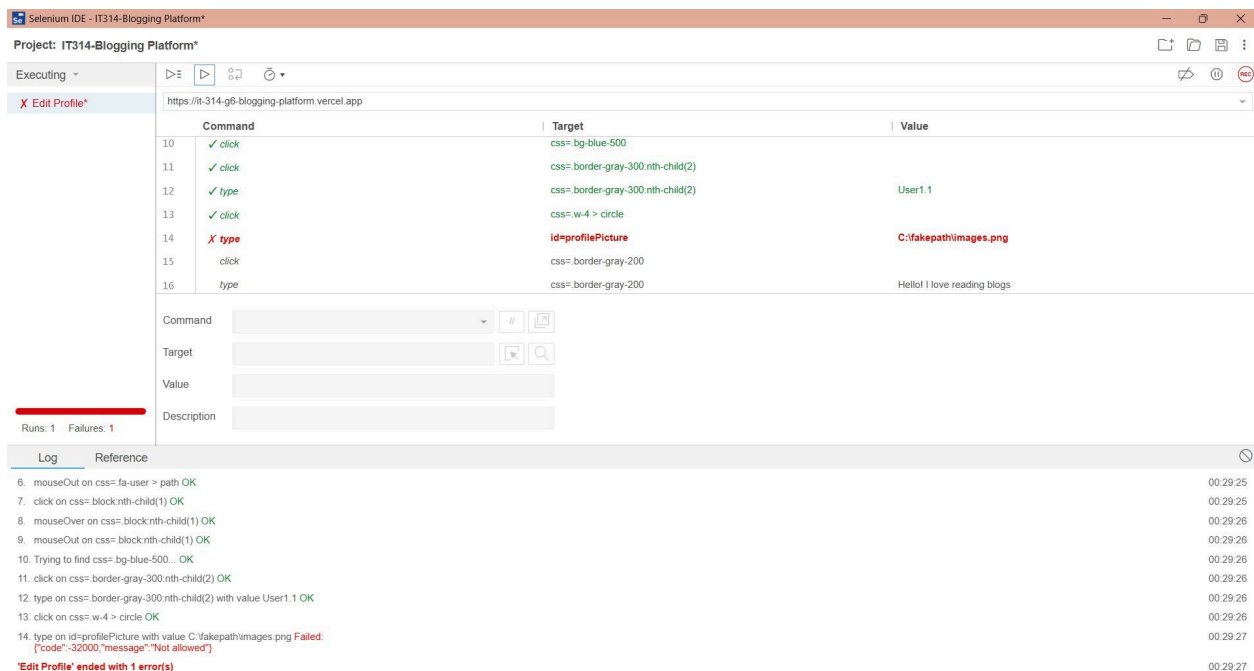
Step	Command	Target	Value
5	mouse out	css= fa-user > path	
6	click	css= block	
7	mouse over	css= block	
8	click	name=email	
9	type	name=email	testuser2@gmail.com
10	click	name=password	
11	type	name=password	123456
12	click	css= p-3	

The log shows the following messages:

- 7. mouseOver on css= block OK
- 8. click on name=email OK
- 9. type on name=email with value testuser2@gmail.com OK
- 10. click on name=password OK
- 11. type on name=password with value 123456 OK
- 12. click on css= p-3 OK
- 'Login' completed successfully

3. Edit Profile:

Uploading image when editing the user profile results in error because selenium cannot get the photo.



The screenshot shows the Selenium IDE interface for a project named "IT314-Blogging Platform". The test suite "Edit Profile*" is selected, and the test "Edit Profile*" is being executed. The script consists of 16 steps:

Step	Command	Target	Value
10	click	css= bg-blue-500	
11	click	css= border-gray-300:nth-child(2)	
12	type	css= border-gray-300:nth-child(2)	User1.1
13	click	css= w-4 > circle	
14	type	id=profilePicture	C:\fakepath\images.png
15	click	css= border-gray-200	
16	type	css= border-gray-200	Hello! I love reading blogs

The log shows the following messages:

- 6. mouseOut on css= fa-user > path OK
- 7. click on css= block:nth-child(1) OK
- 8. mouseOver on css= block:nth-child(1) OK
- 9. mouseOut on css= block:nth-child(1) OK
- 10. Trying to find css= bg-blue-500 ... OK
- 11. click on css= border-gray-300:nth-child(2) OK
- 12. type on css= border-gray-300:nth-child(2) with value User1.1 OK
- 13. click on css= w-4 > circle OK
- 14. type on id=profilePicture with value C:\fakepath\images.png Failed:
["code": -32000, "message": "Not allowed"]
- 'Edit Profile' ended with 1 error(s)

All buttons and text fields work fine. Here we have not uploaded picture so no error is encountered.

The screenshot shows the Selenium IDE interface for a project named 'IT314-Blogging Platform'. The 'Edit Profile' tab is active, displaying a list of commands and their targets. The commands are:

Command	Target	Value
open	/	
set window size	1552x832	
click	css= justify-center	
click	css= fa-user > path	
mouse over	css= fa-user > path	
mouse out	css= fa-user > path	
click	css= block-nth-child(1)	

Below the commands, there are input fields for Command, Target, Value, and Description. The 'Log' tab shows a list of test runs, all of which passed successfully.

4. Create Blog:

Verified the various editing options present in the content editor. All buttons and text fields work fine. Good UI.

The screenshot shows the Selenium IDE interface for a project named 'IT314-Blogging Platform'. The 'Create_Blog' test profile is selected, showing a list of commands and their targets. The commands are:

Command	Target	Value
click	css= ql-formats-nth-child(4) > ql-strike-ql-fill-nth-child(2)	
edit content	css= ql-snow > ql-editor	
click	id=hashtags	
click	css= font-sembold-nth-child(1)	
assert alert	Draft saved successfully!	

Below the commands, there are input fields for Command, Target, Value, and Description. The 'Log' tab shows a list of test runs, all of which passed successfully.

5. Publish Blog:

Verified that blog gets submitted successfully and content editor loads back to original state. All buttons and text fields work fine.

The screenshot shows the Selenium IDE interface for the project 'IT314-Blogging Platform*'. The test suite 'Publish_Blog*' is selected, showing steps 15 through 19. The log at the bottom shows the execution of these steps, including clicking on the 'publish' button, editing the content, and asserting that the blog was submitted successfully.

Step	Command	Target	Value
15	click	css= qi-active > svg	
16	edit content	css= qi-snow > qi-editor	
17	click	css= qi-container:nth-child(2)	
18	click	css= justify-between > .px-4	
19	assert alert	Blog submitted successfully!	

Log:

- 12. Trying to find css=p:nth-child(3)... OK
- 13. click on css= qi-snow > qi-editor OK
- 14. editContent on css= qi-snow > qi-editor with value <p>Small Normal Large Huge</p><p>Serif MonoSpace</p><p>Bold Italic <u>Underline</u>Strikethrough</p><p>Publishing the blog</p> OK
- 15. click on css= qi-active > svg OK
- 16. editContent on css= qi-snow > qi-editor with value <p>Small Normal Large Huge</p><p>Serif MonoSpace</p><p>Bold Italic <u>Underline</u>Strikethrough</p><p>Publishing the blog</p> OK
- 17. click on css= qi-container:nth-child(2) OK
- 18. click on css= justify-between > .px-4 OK
- 19. assertAlert on Blog submitted successfully! OK
- *Publish_Blog* completed successfully

6. Adding and Removing Hashtags:

All buttons and text fields work fine.

The screenshot shows the Selenium IDE interface for the project 'IT314-Blogging Platform*'. The test suite 'Hashtags*' is selected, showing steps 1 through 7. The log at the bottom shows the execution of these steps, including opening the page, setting the window size, and clicking on the 'add hashtag' button.

Step	Command	Target	Value
1	open	/	
2	set window size	1552x832	
3	click	css= fa-user > path	
4	mouse over	css= fa-user > path	
5	mouse out	css= fa-user > path	
6	click	css= block:nth-child(1)	
7	mouse over	css= block:nth-child(1)	

Log:

- 1. open / OK
- 2. set window size 1552x832 OK
- 3. click css= fa-user > path OK
- 4. mouse over css= fa-user > path OK
- 5. mouse out css= fa-user > path OK
- 6. click css= block:nth-child(1) OK
- 7. mouse over css= block:nth-child(1) OK

7. Edit Blog

Edit blog opened content editor and blog contents are updated successfully. All buttons and text fields work fine.

Selenium IDE - IT314-Blogging Platform*

Project: IT314-Blogging Platform*

Executing -> Run current test Ctrl+R platform.vercel.app

Command	Target	Value
1 ✓ open	/	
2 ✓ set window size	1552x832	
3 ✓ click	css= fa-user	
4 ✓ mouse over	css= fa-user	
5 ✓ mouse out	css= fa-user	
6 ✓ click	css= block:nth-child(1)	
7 ✓ mouse out	css= block:nth-child(1)	

Runs: 1 Failures: 0

Log Reference

- 11. Trying to find css=p:nth-child(4)... OK 15:03:16
- 12. editContent on css= ql-snow > ql-editor with value <p>Small Normal Large Huge</p><p>Serif MonoSpace</p><p>Bold Italic <u>Underline</u>Strikethrough</p><p>Publishing the blog</p><p>Edited the blog1</p><p>Edits done</p> OK 15:03:16
- 13. click on css= justify-between > .px-4 OK 15:03:16
- 14. click on css= fa-user > path OK 15:03:16
- 15. mouseOver on css= fa-user > path OK 15:03:17
- 16. mouseOut on css= fa-user > path OK 15:03:17
- 17. click on css= block:nth-child(1) OK 15:03:17
- 18. runScript on window scrollTo(0,0) OK 15:03:17
- 19. Trying to find css= bg-gray-50:nth-child(3)... OK 15:03:17

'Edit Blog' completed successfully 15:03:25

8. Edit Draft-

Draft edited correctly and changes saved. All buttons and text fields work fine.

Selenium IDE - IT314-Blogging Platform*

Project: IT314-Blogging Platform*

Tests -> Search tests... https://it-314-g8-blogging-platform.vercel.app

Command	Target	Value
10 ✓ click	linkText=Continue editing	
11 ✓ run script	window.scrollTo(0,0)	
12 ✓ click	css=p:nth-child(3)	
13 ✓ edit content	css= ql-snow > ql-editor	<p>Small Normal Large Huge</p><p>Sans Serif MonoSpace</p><p>Bold Italic <u>Underline</u>Strikethrough</p><p>Edited the draft</p><p>Edit Successful</p>
14 ✓ click	css= font-sembold:nth-child(1)	

Command click

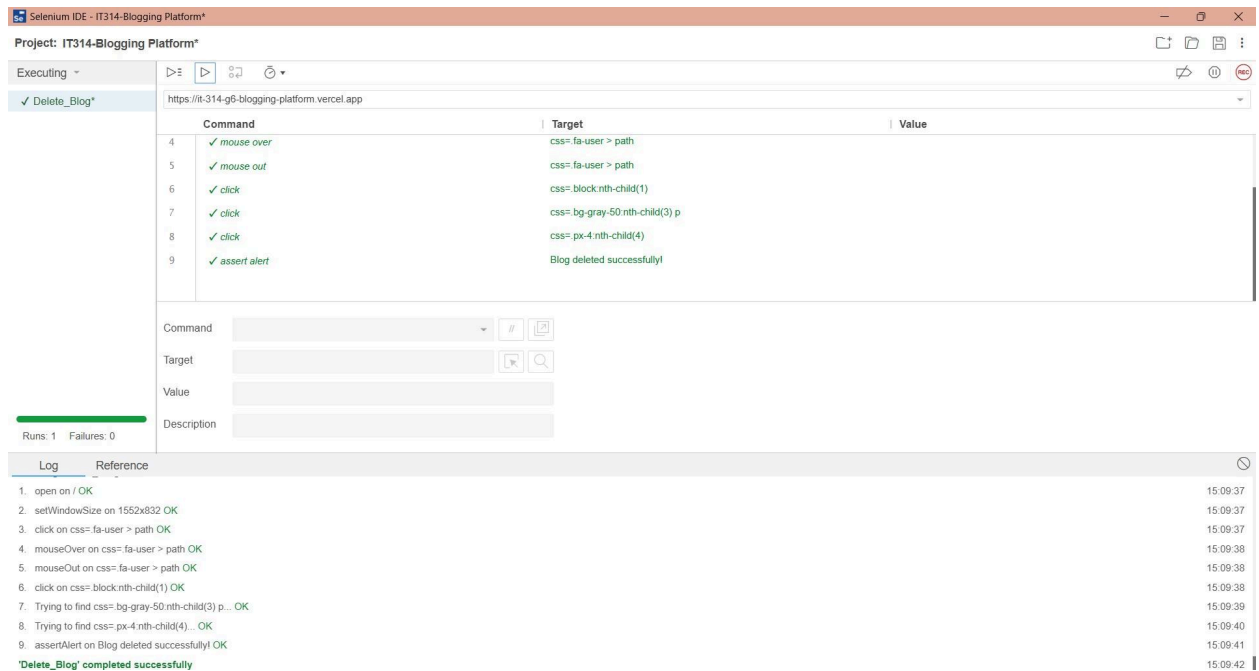
Target css= font-sembold:nth-child(1)

Value

Description

9. Delete Blog-

Blog is deleted and removed from the user's profile. All buttons and text fields work fine.



Selenium IDE - IT314-Blogging Platform*

Project: IT314-Blogging Platform*

Executing -> https://it-314-g9-blogging-platform.vercel.app

Step	Command	Target	Value
4	mouse over	css= fa-user > path	
5	mouse out	css= fa-user > path	
6	click	css= block:nth-child(1)	
7	click	css= bg-gray-50:nth-child(3) p	
8	click	css= px-4:nth-child(4)	
9	assert alert	Blog deleted successfully	

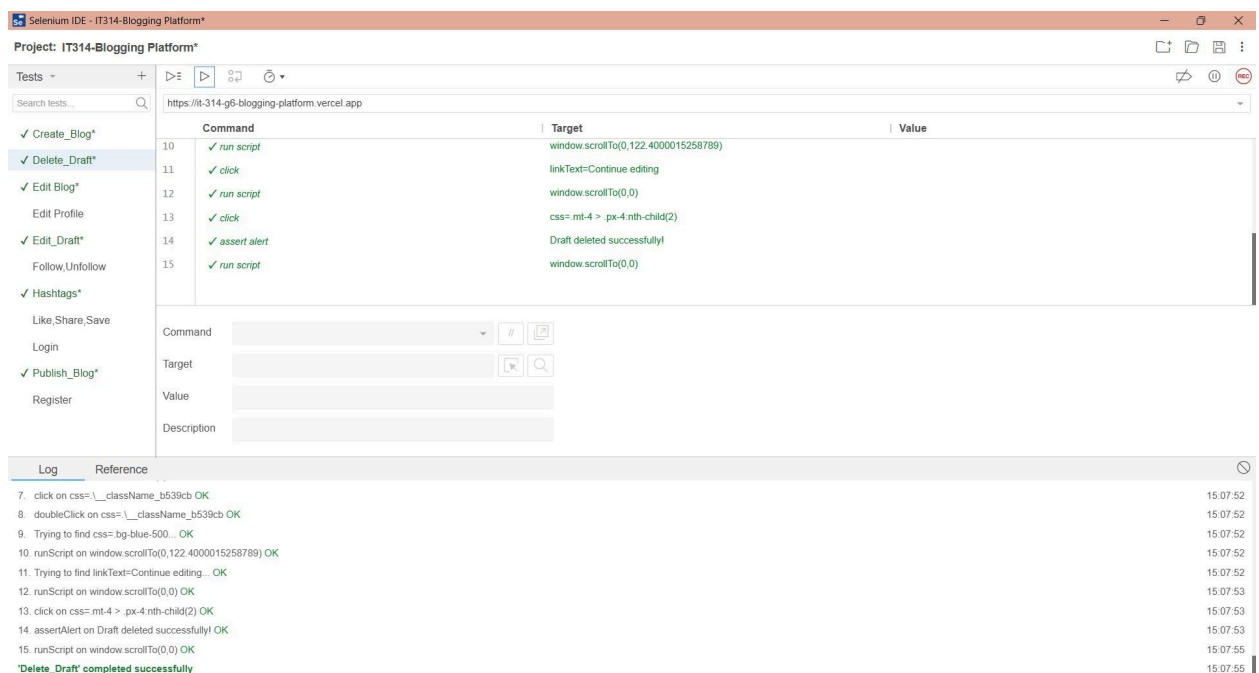
Runs: 1 Failures: 0

Log Reference

- 1. open on / OK 15:09:37
- 2. setWindowSize on 1552x832 OK 15:09:37
- 3. click on css= fa-user > path OK 15:09:37
- 4. mouseOver on css= fa-user > path OK 15:09:38
- 5. mouseOut on css= fa-user > path OK 15:09:38
- 6. click on css= block:nth-child(1) OK 15:09:38
- 7. Trying to find css= bg-gray-50:nth-child(3) p... OK 15:09:39
- 8. Trying to find css= px-4:nth-child(4)... OK 15:09:40
- 9. assertAlert on Blog deleted successfully! OK 15:09:41
- 'Delete_Blog' completed successfully 15:09:42

10. Delete Draft-

Draft gets deleted and removed from drafts section of user. All buttons and text fields work fine.



Selenium IDE - IT314-Blogging Platform*

Project: IT314-Blogging Platform*

Tests -> https://it-314-g9-blogging-platform.vercel.app

Step	Command	Target	Value
10	run script	window.scrollTo(0,122.4000015258789)	
11	click	linkText=Continue editing	
12	run script	window.scrollTo(0,0)	
13	click	css= mt-4 > .px-4:nth-child(2)	
14	assert alert	Draft deleted successfully!	
15	run script	window.scrollTo(0,0)	

Search tests...

- ✓ Create_Blog*
- ✓ Delete_Draft*
- ✓ Edit_Blog*
- Edit Profile
- ✓ Edit_Draft*
- Follow,Unfollow
- ✓ Hashtags*
- Like,Share,Save
- Login
- ✓ Publish_Blog*
- Register

Log Reference

- 7. click on css= _className_b539cb OK 15:07:52
- 8. doubleClick on css= _className_b539cb OK 15:07:52
- 9. Trying to find css= bg-blue-500... OK 15:07:52
- 10. runScript on window.scrollTo(0,122.4000015258789) OK 15:07:52
- 11. Trying to find linkText=Continue editing... OK 15:07:52
- 12. runScript on window.scrollTo(0,0) OK 15:07:53
- 13. click on css= mt-4 > .px-4:nth-child(2) OK 15:07:53
- 14. assertAlert on Draft deleted successfully! OK 15:07:53
- 15. runScript on window.scrollTo(0,0) OK 15:07:55
- 'Delete_Draft' completed successfully 15:07:55

11. Search profile-

Profile can be viewed for a user using search bar. All buttons and text fields work fine.

The screenshot displays the Selenium IDE interface for a project named 'IT314-Blogging Platform*'. The 'Tests' tab is active, showing a test script with five steps. The 'Search' test is highlighted in the left sidebar. The main area shows the command 'click' on the target 'css= flex:nth-child(3)' with the value 'Dhriti'. The 'Log' tab at the bottom shows the execution steps and their results.

Command	Target	Value
1. open	/	
2. set window size	1552x832	
3. click	css= w-full	
4. type	css= py-2	Dhriti
5. click	css= flex:nth-child(3)	

Log:

- Running 'Search'
- 1. open on / OK
- 2. setWindowSize on 1552x832 OK
- 3. click on css= w-full OK
- 4. type on css= py-2 with value Dhriti OK
- 5. Trying to find css= flex:nth-child(3)... OK
- 'Search' completed successfully

12. Like, Share, Bookmark-

User can like, share and bookmark/save blogs. Clicking on same button again will dislike and unsave. All buttons and text fields work fine.

The screenshot displays the Selenium IDE interface for a project named 'IT314-Blogging Platform*'. The 'Executing' tab is active, showing a test script with four steps. The 'Like, Share, Save' test is highlighted in the left sidebar. The main area shows the command 'click' on the target 'css= showBlog_likeSave__4pYXw > button:nth-child(1) > svg'. The 'Log' tab at the bottom shows the execution steps and their results.

Command	Target	Value
7. click	css= showBlog_likeSave__4pYXw > button:nth-child(1) > svg	
8. click	css= button:nth-child(3) > .h-6	
9. click	css= button:nth-child(4) path	
10. click	css= button:nth-child(4) > .h-6	

Log:

- Running 'Like, Share, Save'
- 1. open on / OK
- 2. setWindowSize on 1552x832 OK
- 3. runScript on window.scrollTo(0,518.4000244140625) OK
- 4. runScript on window.scrollTo(0,651.2000122070312) OK
- 5. Trying to find css= Home_section__3569L:nth-child(1). Home_card__E5spL:nth-child(2) > Home_readMore__VVJF... OK
- 6. Trying to find css= showBlog_likeSave__4pYXw > button:nth-child(1) path... OK
- 7. click on css= showBlog_likeSave__4pYXw > button:nth-child(1) > svg OK
- 8. click on css= button:nth-child(3) > .h-6 OK
- 9. click on css= button:nth-child(4) path OK
- 10. click on css= button:nth-child(4) > .h-6 OK
- 'Like, Share, Save' completed successfully

13. Follow, Unfollow-

Unfollow user gives error because simulation of click does not work correctly.

The screenshot shows the Selenium IDE interface for a project named 'IT314-Blogging Platform'. The test suite is 'Follow, Unfollow' and it is currently running. The test steps are as follows:

Step	Command	Target	Value
5	click	css=Home_section_3569L:nth-child(1).Home_card_E5spl:nth-child(3)>.Home_readMore_VVJf	
6	click	css=showBlog_followBtn_QLPBL	
7	click	css=showBlog_followBtn_QLPBL	
8	click	css=showBlog_followBtn_QLPBL	

The test run log shows the following steps:

- open on / OK
- setWindowSize on 1552x832 OK
- runScript on window.scrollTo(0,499.20001220703125) OK
- runScript on window.scrollTo(0,460.79998779296875) OK
- Trying to find css=Home_section_3569L:nth-child(1).Home_card_E5spl:nth-child(3)>.Home_readMore_VVJf... OK
- Trying to find css=showBlog_followBtn_QLPBL... OK
- click on css=showBlog_followBtn_QLPBL OK
- Trying to find css=showBlog_followBtn_QLPBL... Failed: Implicit Wait timed out after 3000ms

The test run ended with 1 error(s).

Following the user works fine. All buttons and text fields work fine.

The screenshot shows the Selenium IDE interface for the same project. The test suite is 'Follow, Unfollow' and it is currently running. The test steps are as follows:

Step	Command	Target	Value
3	run script	window.scrollTo(0,499.20001220703125)	
4	run script	window.scrollTo(0,460.79998779296875)	
5	click	css=Home_section_3569L:nth-child(1).Home_card_E5spl:nth-child(3)>.Home_readMore_VVJf	
6	click	css=showBlog_followBtn_QLPBL	
7	click	css=showBlog_followBtn_QLPBL	

The test run log shows the following steps:

- open on / OK
- setWindowSize on 1552x832 OK
- runScript on window.scrollTo(0,499.20001220703125) OK
- runScript on window.scrollTo(0,460.79998779296875) OK
- Trying to find css=Home_section_3569L:nth-child(1).Home_card_E5spl:nth-child(3)>.Home_readMore_VVJf... OK
- Trying to find css=showBlog_followBtn_QLPBL... OK
- click on css=showBlog_followBtn_QLPBL OK

The test run completed successfully.

14. Comments-

Add comment, threaded comment and delete comment works fine. All buttons and text fields work fine.

The screenshot displays the Selenium IDE interface for a project named "IT314-Blogging Platform". The URL bar shows "https://it-314-g6-blogging-platform.vercel.app". The left sidebar lists test steps: "Comments*", "Create_Blog*", "Delete_Blog*", "Delete_Draft*", "Edit_Blog*", "Edit_Profile", "Edit_Draft*", "Follow_Unfollow", "Hashtags*", "Like_Share_Save", "Login", "Publish_Blog*", "Register", and "Log". The main area shows a table of test steps:

Command	Target	Value
type	css=form.nth-child(3) > textarea	thread comment
click	css=form.nth-child(3) > button	
click	css=form.nth-child(2) > textarea	
type	css=form.nth-child(2) > textarea	delete blog
click	css=form.nth-child(2) > button	
click	css=div.nth-child(2) > div.nth-child(2) > div > button	

Below the table, there are input fields for Command, Target, Value, and Description. The bottom section shows a log of test results:

- 13. type on css=textarea with value comment1 OK 15:13:47
- 14. click on css=form > button OK 15:13:47
- 15. Trying to find css=textarea.nth-child(1)... OK 15:13:48
- 16. type on css=form.nth-child(3) > textarea with value thread comment OK 15:13:48
- 17. click on css=form.nth-child(3) > button OK 15:13:48
- 18. click on css=form.nth-child(2) > textarea OK 15:13:48
- 19. type on css=form.nth-child(2) > textarea with value delete blog OK 15:13:48
- 20. click on css=form.nth-child(2) > button OK 15:13:49
- 21. Trying to find css=div.nth-child(2) > div.nth-child(2) > div > button... OK 15:13:49

The log concludes with the message: "Comments' completed successfully" at 15:13:49.