

IT314 – Software Engineering

Group 22 – Fingenie

AI – Powered Balance Sheet Analysis Tool

GUI Testing And Unit Testing of Frontend

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Errors which we are faced during the GUI testing time:

1. New Window Handling Error:

Selenium IDE repeatedly displayed the error “**No such window locator**” when executing the commands `store window handle` and `select window`.

Eg. - In the News Page, when a user clicks on “**Read more →**”, it normally opens the article in a **new tab** during regular manual usage. However, during automated testing, Selenium IDE was not able to detect or recognize this new tab. As a result, when the test tried to execute window-switching commands, Selenium IDE threw the error “**No such window locator**” because it could not find or access the new tab that the command expected.

2. File Upload Error:

During the file upload testing, Selenium IDE was giving errors because it used the `type` command, and the browser does not allow typing inside a file upload box. Also, Selenium was not understanding the file location properly when we gave the path. So to solve this problem, we changed the `type` command to `send keys`, and we gave the full file path. After doing this, Selenium IDE was able to upload the file correctly without any error.

1) Ai insight page

| Functionality | Comments | Error to be resolved |
|---------------|-------------------------|----------------------|
| Text | All text aligned | None |
| Text-fields | all text fields working | None |
| Dropdown | No drop-down | None |
| Buttons | working | None |
| Check Box | No Check Box | None |

| | | |
|--------------|-----------------|------|
| Radio Button | No Radio button | None |
| Hyperlink | working | None |
| Image | No image | None |
| Other | Overall good ui | None |

Project: alinsightpage*

Executing - http://localhost:3001

| Command | Target | Value |
|--------------|--|---------------|
| 7 click | css:=input-area | |
| 8 click | css:=input-area | |
| 9 click | css:=input | |
| 10 type | css:=input | hi |
| 11 send keys | css:=input | \$(KEY_ENTER) |
| 12 click | css:=div:nth-child(1) > .message-bubble rect | |
| 13 click | css:=div:nth-child(2) > .message-bubble button | |
| 14 click | css:=input | |
| 15 type | css:=input | hello |
| 16 send keys | css:=input | \$(KEY_ENTER) |

Runs: 1 Failures: 0

Log Reference

```

11. sendKeys on css:=input with value $(KEY_ENTER) OK
12. Trying to find css:=div:nth-child(1) > .message-bubble rect... OK
13. Trying to find css:=div:nth-child(2) > .message-bubble button... OK
14. click on css:=input OK
15. type on css:=input with value hello OK
16. sendKeys on css:=input with value $(KEY_ENTER) OK
'AlInsightPage' completed successfully

```

13:36:18
13:36:18
13:36:38
13:36:38
13:36:39
13:36:39
13:36:39

2) Features Page

| Functionality | Comments | Error to be resolved |
|---------------|----------------|----------------------|
| Text | aligned | None |
| Text-fields | No text-fields | None |
| Dropdown | No Dropdown | None |

| | | |
|--------------|--|----------------|
| Buttons | Done, Button do not route to search public company | Fix route path |
| Check Box | No check box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working fine | None |
| Image | No image | None |
| Other | Good ui | None |

Selenium IDE - Features Page*

Project: Features Page*

Executing http://localhost:3000

| Command | Target | Value |
|-------------------|-------------------------------|-------|
| 1 open | /featuresPage | |
| 2 set window size | 1536x816 | |
| 3 click | css=div:nth-child(1) > button | |
| 4 click | css=div:nth-child(2) > button | |
| 5 click | css=div:nth-child(3) > button | |
| 6 mouse over | css=button:nth-child(5) | |
| 7 click | css=div:nth-child(4) > button | |
| 8 click | css=div:nth-child(5) > button | |
| 9 run script | window.scrollTo(0,0) | |
| 10 click | css=div:nth-child(6) > button | |

Runs: 1 Failures: 0

Log Reference

```

5. click on css=div:nth-child(3) > button OK
6. mouseOver on css=button:nth-child(5) OK
7. click on css=div:nth-child(4) > button OK
8. Trying to find css=div:nth-child(5) > button... OK
9. runScript on window.scrollTo(0,0) OK
10. Trying to find css=div:nth-child(6) > button... OK
'Features Page' completed successfully

```

03:12:55
03:12:56
03:12:57
03:12:58
03:12:59
03:13:00
03:13:01

3) Blog page

| Functionality | Comments | Error to be resolved |
|---------------|----------------------|----------------------|
| Text | All text are aligned | None |
| Text-fields | working | None |
| Dropdown | working | None |
| Buttons | Working fine | None |
| Check Box | No check box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working fine | None |
| Image | Aligned | None |
| Other | Good UI | None |

Project: BlogPage*

Executing - BlogPage*

Paused in debugger

http://localhost:3001

| Command | Target | Value |
|---------------|---------------------------------|--|
| 25 mouse over | css=button > span | |
| 26 click | css=div:nth-child(1) > input | |
| 27 type | css=div:nth-child(1) > input | http://localhost:3001/blogPagehttp://localhost:3001/blogPage |
| 28 click | css=select | |
| 29 click | css=div:nth-child(3) > textarea | |
| 30 type | css=div:nth-child(3) > textarea | http://localhost:3001/blogPagehttp://localhost:3001/blogPage |
| 31 click | css=div:nth-child(4) > textarea | |
| 32 type | css=div:nth-child(4) > textarea | http://localhost:3001/blogPagehttp://localhost:3001/blogPage |
| 33 click | css=div:nth-child(5) > div | |
| 34 type | css=div:nth-child(8) > input | C:\fakepath\wallhaven-jexkwm_1920x1080.png |

Runs: 0 Failures: 0

Log Reference

```

20 click on css=button > span
29 click on css=div:nth-child(3) > textarea OK
30 type on css=div:nth-child(3) > textarea with value http://localhost:3001/blogPagehttp://localhost:3001/blogPage OK
31 click on css=div:nth-child(4) > textarea OK
32 type on css=div:nth-child(4) > textarea with value http://localhost:3001/blogPagehttp://localhost:3001/blogPage OK
33 click on css=div:nth-child(5) > div OK
34 type on css=div:nth-child(8) > input with value C:\fakepath\wallhaven-jexkwm_1920x1080.png Failed:
File uploading is only supported in Chrome at this time

```

13:47:56
13:47:57
13:47:57
13:47:57
13:47:57
13:47:57

4) Fileupload page

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | Working fine | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | No image | None |
| Other | Good UI | None |

The screenshot shows the Selenium IDE interface with a test case titled "File Upload Page". The test steps are as follows:

```

1. open /fileUploadApp
2. set window size 1536x816
3. click css=input
4. type AlzaSyCuXpoV1XvpKShnSVRM2ctKwINvzdFBsk
5. click css=button:nth-child(1)
6. click css=input
7. type C:\fakepath\GUI Testing-1_.pdf
8. click css=div:nth-child(5) > button
9. assert alert

```

An error message is displayed: "An error occurred while uploading. Check console for details." The console log at the bottom shows the following entries:

- Running 'File Upload Page'
- 1. open on /fileUploadApp 03:32:27
- 2. setWindowSize on 1536x816 OK 03:32:29
- 3. click on css=input OK 03:32:29
- 4. type on css=input with value AlzaSyCuXpoV1XvpKShnSVRM2ctKwINvzdFBsk OK 03:32:30
- 5. click on css=button:nth-child(1) OK 03:32:31
- 6. click on css=input 03:32:32
- 7. type on css=input with value C:\fakepath\GUI Testing-1_.pdf Failed: File uploading is only supported in Chrome at this time 03:32:33

5) CompanySearch Page

→Area Price chart not showing

→Peer Company Analysis Growth chart not showing

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | Working fine | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | No image | None |
| Other | Good UI | None |

Selenium IDE - company search page *

Project: company search page *

Executing http://localhost:3000

Company Search Page?

| Command | Target | Value |
|---------------|--|-------|
| 39 click | css=div:nth-child(2) > div:nth-child(2) > button | |
| 40 run script | window.scrollTo(0, 1576.800048828125) | |
| 41 click | css=div:nth-child(1) > div > button:nth-child(5) | |
| 42 run script | window.scrollTo(0, 1096) | |
| 43 click | css=div:nth-child(3) > button | |
| 44 run script | window.scrollTo(0, 1802.4000244140625) | |
| 45 click | css=div:nth-child(1) > div > button:nth-child(5) | |
| 46 click | css=div:nth-child(1) > div > button:nth-child(6) | |
| 47 click | css=div:nth-child(1) > div > button:nth-child(7) | |
| 48 click | css=div:nth-child(1) > div > button:nth-child(8) | |

Runs: 1 Failures: 0

Log Reference

```

43. click on css=div:nth-child(3) > button OK
44. runScript on window.scrollTo(0,1802.4000244140625) OK
45. click on css=div:nth-child(1) > div > button:nth-child(5) OK
46. click on css=div:nth-child(1) > div > button:nth-child(6) OK
47. click on css=div:nth-child(1) > div > button:nth-child(7) OK
48. click on css=div:nth-child(1) > div > button:nth-child(8) OK
'Company Search Page' completed successfully

```

19:17:26
19:17:27
19:17:28
19:17:28
19:17:30
19:17:31
19:17:32

6) Profile page

| Functionality | Comments | Error to be resolved |
|---------------|-------------------|----------------------|
| Text | aligned | None |
| Text-fields | Working fine | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | Good ui for image | None |
| Other | Good UI | None |

Selenium IDE - UI test*

Project: UI test*

Executing - http://localhost:3000

Profile Page*

| Command | Target | Value |
|-------------------|---|--|
| 1 open | iProfile_page | |
| 2 set window size | 1536x816 | |
| 3 click | css=button | |
| 4 click | css=lucide-square-pen | |
| 5 type | id=photoUpload | C:\fakepath\tanjiro-kamado-6082x5416-23027.jpg |
| 6 click | name=username | |
| 7 type | name=username | Wolter |
| 8 click | name=firName | |
| 9 type | name=firName | white |
| 10 click | css=div:nth-child(1) > div:nth-child(2) > div | |
| 11 type | name=lastName | white |

Command type

Target id=photoUpload

Value C:\fakepath\tanjiro-kamado-6082x5416-23027.jpg

Description

Runs: 0 Failures: 0

Log Reference

Running 'Profile Page'

- 1. open on /Profile_page OK
- 2. setWindowSize on 1536x816 OK
- 3. click on css=button OK
- 4. click on css=lucide-square-pen OK
- 5. type on id=photoUpload with value C:\fakepath\tanjiro-kamado-6082x5416-23027.jpg Failed:
File uploading is only supported in Chrome at this time

04:47:10
04:47:12
04:47:12
04:47:12
04:47:25
04:47:25

7)About Us Page

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | No Text-Field | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | No image | None |

| | | |
|-------|---------|------|
| Other | Good UI | None |
|-------|---------|------|

Project: GUI Testing*

Tests + D> D> Run current test Ctrl+R

Search tests...

✓ Aboutus_page*

| Command | Target | Value |
|---------------------|---------------------------|-------|
| 1 ✓ open | /About_us | |
| 2 ✓ set window size | 147x696 | |
| 3 ✓ click | css=nav-link:nth-child(1) | |
| 4 ✓ click | css=nav-link:nth-child(2) | |
| 5 ✓ click | css=nav-link:nth-child(3) | |
| 6 ✓ click | css=nav-link:nth-child(4) | |

Command Target Value Description

Log Reference

5. click on css=nav-link:nth-child(3) OK
 6. click on css=nav-link:nth-child(4) OK
 7. click on css=nav OK
 8. click on css=fa-wrench OK
 9. click on css=fa-wrench OK
 10. click on css=div:nth-child(7) > Jucide OK
 11. click on css=div:nth-child(7) > Jucide OK
 'Aboutus_page' completed successfully

18:12:53
 18:12:54
 18:12:54
 18:12:54
 18:12:54
 18:12:54
 18:12:54
 18:12:54

8) API Key Page

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | No Text-Field | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | No image | None |

| | | |
|-------|---------|------|
| Other | Good UI | None |
|-------|---------|------|

```

Executing: APIdkey_page
http://localhost:3000

Command | Target | Value
13 ✓ double click | css=.lucide-user | 
14 ✓ click | linkText=https://console.x.ai | 
15 ✓ store window handle | root | 
16 // ✓ select window | tab=1 | 
17 // ✓ select window | handle=${root} | 

Command | //selectWindow | # | 
Target | handle=${root} | 
Value | 
Description | 

Runs: 1 Failures: 0
Log Reference
10. click on css=.lucide-wrench OK 18:08:33
11. click on css=.lucide-user OK 18:08:33
12. click on css=div:nth-child(7) > .lucide OK 18:08:33
13. doubleClick on css=.lucide-user OK 18:08:34
14. Trying to find linkText=https://console.x.ai... OK 18:08:34
Warning Element found with secondary locator xpath//a. To use it by default, update the test step to use it as the primary locator.
15. storeWindowHandle on root OK 18:09:04
'APIdkey_page' completed successfully 18:09:04

```

9) Comparison Page

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | Working fine | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | No image | None |
| Other | Good UI | None |

Project: GUI Testing

Executing - ✓ comparison_page

http://localhost:3000

| Command | Target | Value |
|----------------|--------------------------------------|--|
| 5 ✓ click | css=label:nth-child(2) | |
| 6 ✓ send keys | css=label:nth-child(2) > p | C:\Users\lenovo\Downloads\FinGenie_Report (22).pdf |
| 7 ✓ click | css=button:nth-child(6) | |
| 8 ✓ run script | window.scrollTo(0,228.8000030517578) | |
| 9 ✓ click | css=button | |

Command: run script

Target: window.scrollTo(0,228.8000030517578)

Value:

Description:

Runs: 1 Failures: 0

Log Reference

```

3. click on css=>div:nth-child(5) > label:nth-child(1) OK
4. sendKeys on css=>label:nth-child(1) > p with value: C:\Users\lenovo\Downloads\FinGenie_Report (22) - Copy.pdf OK
5. click on css=>label:nth-child(2) OK
6. sendKeys on css=>label:nth-child(2) > p with value: C:\Users\lenovo\Downloads\FinGenie_Report (22).pdf OK
7. click on css=>button:nth-child(6) OK
8. runScript on window.scrollTo(0,228.8000030517578) OK
9. click on css=>button OK
'comparison_page' completed successfully

```

19:38:29
19:38:29
19:38:29
19:38:29
19:38:29
19:38:29
19:38:30
19:38:30
19:38:30

10) Login page

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | Working fine | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | No image | None |
| Other | Good UI | None |

The screenshot shows a software interface for GUI testing. At the top, there's a toolbar with icons for file operations and a recording button. Below it is a search bar and a dropdown menu for selecting tests. The main area displays a table of test steps:

| | Command | Target | Value |
|---|-------------------|---|-------|
| 1 | ✓ open | /AuthFlow | |
| 2 | ✓ set window size | 1550x830 | |
| 3 | ✓ click | css=p > span | |
| 4 | ✓ click | css=input:nth-child(4) | |
| 5 | ✓ click | css=div:nth-child(3) > div:nth-child(2) | |

Below the table are input fields for 'Command', 'Target', 'Value', and 'Description'. At the bottom, there are two tabs: 'Log' (selected) and 'Reference', followed by a detailed log of actions:

```

5. click on css=div:nth-child(3) > div:nth-child(2) OK          17:09:33
6. click on css=input:nth-child(4) OK                      17:09:33
7. click on css=input:nth-child(4) OK                      17:09:33
8. type on css=input:nth-child(4) with value KVP OK        17:09:33
9. type on css=input:nth-child(5) with value kkRESHA@123 OK 17:09:33
10. click on css=button OK                                17:09:34
    "login_page" completed successfully                      17:09:34
  
```

11) News Page

→search icon is not aligned in search bar

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | Working fine | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | aligned | None |

| | | |
|-------|---------|------|
| Other | Good UI | None |
|-------|---------|------|

Project: GUI Testing*

Executing ✓ News_page*

http://localhost:3000

| Command | Target | Value |
|-----------|----------------------------|-------|
| 3 ✓ click | css=.nav-link:nth-child(1) | |
| 4 ✓ click | css=.nav-link:nth-child(3) | |
| 5 ✓ click | css=.nav-link:nth-child(4) | |
| 6 ✓ click | css=.nav-link:nth-child(5) | |
| 7 ✓ click | css=.lucide-wrench | |

Command //selectWindow

Target handle=\${root}

Value

Description

Runs: 1 Failures: 0

Log Reference

```

8. click on css=.lucide-wrench OK
9. click on css=.lucide-user > path OK
10.click on css=div:nth-child(7) > .lucide > path OK
11.click on css=input OK
12.click on css=button:nth-child(3) OK
13.runScript on window.scrollTo(0,0) OK
14.Trying to find linkText=Read more →... OK
17.runScript on window.scrollTo(0,253.60000610351562) OK
'News_page' completed successfully

```

23:53:39
23:53:39
23:53:39
23:53:39
23:53:39
23:53:39
23:53:39
23:53:39
23:53:39
23:53:40
23:53:40

12) Signup page

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | Working fine | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |

| | | |
|-----------|----------|------|
| Hyperlink | Working | None |
| Image | No image | None |
| Other | Good UI | None |

Project: GUI Testing

Tests + ✓ signup_page

http://localhost:3000

| Command | Target | Value |
|---------------------|------------------------|-----------------|
| 1 ✓ open | /AuthFlow | |
| 2 ✓ set window size | 1550x830 | |
| 3 ✓ click | css=input:nth-child(4) | |
| 4 ✓ type | css=input:nth-child(4) | KVP |
| 5 ✓ type | css=input:nth-child(5) | kvp01@gmail.com |

Command: click // []

Target: css=input:nth-child(6) []

Description:

Log Reference

```

5. type on css=input:nth-child(5) with value kvp01@gmail.com OK
6. type on css=input:nth-child(6) with value KRESHA@123 OK
7. click on css:button OK
8. click on css:input:nth-child(6) OK
9. type on css=input:nth-child(6) with value kkRESHA@123 OK
10. click on css:button OK
'signup_page' completed successfully
    
```

17:04:25
17:04:26
17:04:26
17:04:26
17:04:26
17:04:26
17:04:26
17:04:26

13) Word of the day page

| Functionality | Comments | Error to be resolved |
|---------------|-----------------|----------------------|
| Text | aligned | None |
| Text-fields | No TextField | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |

| | | |
|-------|----------|------|
| Image | No image | None |
| Other | Good UI | None |

The screenshot shows a test execution interface with the following details:

- Executing:** ✓ WordOfTheDay_page
- URL:** http://localhost:3000
- Test Log (Commands):**

| Line | Command | Target |
|------|---------|----------------------|
| 23 | ✓ click | css=div:nth-child(4) |
| 24 | ✓ click | css=div:nth-child(5) |
| 25 | ✓ click | css=div:nth-child(4) |
| 26 | ✓ click | css=div:nth-child(5) |
| 27 | ✓ click | css=div:nth-child(4) |
- Run Summary:** Runs: 1 Failures: 0
- Log:**
 - 21. click on css=div:nth-child(5) OK
 - 22. click on css=div > div:nth-child(6) OK
 - 23. click on css=div:nth-child(4) OK
 - 24. click on css=div:nth-child(5) OK
 - 25. click on css=div:nth-child(4) OK
 - 26. click on css=div:nth-child(5) OK
 - 27. click on css=div:nth-child(4) OK

'WordOfTheDay_page' completed successfully

14) Main Page after login page

| Functionality | Comments | Error to be resolved |
|---------------|---------------|----------------------|
| Text | aligned | None |
| Text-fields | No Text Field | None |
| Dropdown | No drop down | None |
| Buttons | Working | None |

| | | |
|--------------|-----------------|------|
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | No image | None |
| Other | Good UI | None |

The screenshot shows the Selenium IDE interface with a test project named "FinGenie GUI-testing". A single test case, "mainPageAfterLogin", is selected. The test script contains the following sequence of actions:

- 1. open http://localhost:3000/mainpageafterlogin
- 2. ✓ set window size
- 3. ✓ click
- 4. ✓ click
- 5. ✓ click
- 6. ✓ click
- 7. ✓ click
- 8. ✓ click
- 9. ✓ click

The "Log" pane at the bottom displays the execution details for each step:

- 27. click on css=>div:nth-child(2) > div:nth-child(4) OK
- 28. click on css=nav-link:nth-child(1) OK
- 29. click on css=feature-card-user.OK
- 30. click on css=nav-link:nth-child(1) OK
- 31. Trying to find css=>div > div:nth-child(7). OK
- 32. click on css=nav-link:nth-child(1) OK

The message "'mainPageAfterLogin' completed successfully" is shown at the bottom.

15)sectorOverview page

| Functionality | Comments | Error to be resolved |
|---------------|--------------|----------------------|
| Text | aligned | None |
| Text-fields | Working fine | None |
| Dropdown | Working | None |
| Buttons | Working | None |

| | | |
|--------------|-----------------|------|
| Check Box | No Check Box | None |
| Radio Button | No radio button | None |
| Hyperlink | Working | None |
| Image | No image | None |
| Other | Good UI | None |

Selenium IDE - FinGenie GUI-testing

Project: FinGenie GUI-testing

Executing: sectorOverview

Run current test: Ctrl+R | Stop Overview

| Command | Target | Value |
|---------------------|--|-------|
| 1 ✓ open | http://localhost:3000/sectorOverview | |
| 2 ✓ set window size | 1552x832 | |
| 3 click | css=input | |
| 4 click | css=svg.lucide-chevron-down | |
| 5 click | css=div:nth-child(2) > div:nth-child(2) > div > div:nth-child(1) | |
| 6 click | css=button:nth-child(1) | |
| 7 click | css=div:nth-child(2) > div:nth-child(2) > div > div:nth-child(3) | |
| 8 click | css=div:nth-child(1) > div > button > .lucide-plus > path:nth-child(2) | |
| 9 click | css=div:nth-child(3) > button:nth-child(1) | |

Command:

Target:

Value:

Description:

Runs: 0 Failures: 0

Log Reference

Running 'sectorOverview'

```

1. open on http://localhost:3000/sectorOverview OK
2. setWindowSize on 1552x832 OK
3. Trying to find css=input... ○

```

05:56:55
05:56:55
05:56:55
05:56:55

 A screenshot of the Selenium IDE interface. The title bar says "Selenium IDE - FinGenie GUI-testing". Below it, the project name is "FinGenie GUI-testing". The main area shows a test titled "sectorOverview" with the status "Executing". The test steps are listed in a table with columns for Command, Target, and Value. Step 1 is "open" to "http://localhost:3000/sectorOverview". Step 2 is "set window size" to "1552x832". Step 3 is a "click" on an input element. Subsequent steps involve clicking on various UI elements like chevrons and buttons. At the bottom, there's a log section showing the execution of these steps with timestamps from 05:56:55 to 05:56:55.

Unit Testing

1) Authflow page

```
PASS  src/tests/AuthFlow.test.jsx
AuthFlow page
  ✓ 1 - Create account and switch to login (182 ms)
  ✓ 2 - Validate form inputs (139 ms)
  ✓ 3 - Successful registration (60 ms)
  ✓ 4 - Registration failures and network errors (93 ms)
  ✓ 5 - Login tab switch and validation (30 ms)
  ✓ 6 - Successful login (47 ms)
  ✓ 7 - Login failures and username login (108 ms)
  ✓ 8 - Google OAuth flows (389 ms)
  ✓ 9 - Google OAuth error and input interactions (77 ms)

-----|-----|-----|-----|-----|-----|
File    | %Stmts | %Branch | %Funcs | %Lines | Uncovered Line #
-----|-----|-----|-----|-----|-----|
All files | 96.11 | 91.46 | 81.08 | 95.97 |
AuthFlow.jsx | 96.11 | 91.46 | 81.08 | 95.97 | 193,383,419-448,502
-----|-----|-----|-----|-----|-----|
Test Suites: 1 passed, 1 total
Tests: 9 passed, 9 total
Snapshots: 0 total
Time: 8.388 s
Ran all test suites matching /src\\tests\\AuthFlow.test.jsx/i.
```

2) Blog page

```

PASS | src/pages/_tests_/FinanceBlog.early.test.jsx
FinanceBlog() FinanceBlog method
Additional Coverage
  ✓ uploads image file and cancels upload (132 ms)
  ✓ submits blog when authenticated (form passes validation) (36 ms)
  ✓ toggles like and bookmark on an article (142 ms)
  ✓ shows error when fetching full article fails (74 ms)
Happy Paths
  ✓ should render the FinanceBlog component with header and footer (28 ms)
  ✓ should fetch and display blog posts on initial render (20 ms)
  ✓ should navigate to article view on article click (30 ms)
  ✓ formatDate returns readable date for valid date string (15 ms)
  ✓ handles plain-array response from getBlogPosts (18 ms)
  ✓ search input shows search info and triggers fetch (11 ms)
  ✓ selecting category calls fetch again (16 ms)
  ✓ back to listing button returns from article view (45 ms)
Edge Cases
  ✓ should display error message when fetching blog posts fails (18 ms)
  ✓ should handle empty blog post list gracefully (13 ms)
  ✓ renders default image when post has no image (19 ms)
  ✓ should display validation error when creating a blog with missing fields (18 ms)

```

| File | %Stmts | %Branch | %Funcs | %Lines | Uncovered Line #s |
|--------------|--------|---------|--------|--------|--|
| All files | 66.16 | 62.11 | 69.04 | 65.44 | |
| blogPage.jsx | 66.16 | 62.11 | 69.04 | 65.44 | ...378-381,466-485,532,603-676,772-832 |

Test Suites: 1 passed, 1 total

Tests: 16 passed, 16 total

Snapshots: 0 total

Time: 2.073 s

Ran all test suites matching /src\\pages_tests_\\FinanceBlog.early.test.jsx/i.

PS K:\Coding\fin\Fingenie\Frontend> █

3) File Upload page

```

PASS  src/pages/_tests_/FileUploadApp.test.jsx
FileUploadApp - First Page (API Key and Setup)
  ✓ 1.renders the initial page elements correctly (152 ms)
  ✓ 2.shows the Missing API Key popup when key is empty and upload is clicked (lines 100-106) (59 ms)
  ✓ 3.navigates to the upload page when API key is provided (29 ms)
  ✓ 4.navigates to API key instructions page when button is clicked (line 148) (17 ms)
FileUploadApp - Upload Page Navigation and File Handling
  ✓ 5.returns to the first page when the Back button is clicked (line 125) (56 ms)
  ✓ 6.handles multiple validation errors correctly (type and size) (50 ms)
  ✓ 7.successfully uploads a valid file (xlsx) and displays the Generate button (60 ms)
  ✓ 7.removes an uploaded file (line 84) (76 ms)
  ✓ 8.handles drag enter/leave/over events to manage active state (77 ms)
  ✓ 9.handles file drop successfully (26 ms)
FileUploadApp - Report Generation Logic
  ✓ 10.calls the API, updates localStorage, and navigates on success (115 ms)
  ✓ 11.handles API failure and shows an alert (155 ms)
  ✓ 12.shows alert if file object is missing before upload (143 ms)

-----|-----|-----|-----|-----|-----|
File      | %Stmts | %Branch | %Funcs | %Lines | Uncovered Line #
-----|-----|-----|-----|-----|-----|
All files | 87.12 | 76.81 | 94.73 | 87.5   | 61,86,245,351-352,360-364,387-389,415
FileUploadApp.jsx | 87.12 | 76.81 | 94.73 | 87.5   | 61,86,245,351-352,360-364,387-389,415
-----|-----|-----|-----|-----|-----|
Test Suites: 1 passed, 1 total
Tests: 13 passed, 13 total
Snapshots: 0 total
Time: 4.1 s
Ran all test suites matching /src\\pages\\_tests_\\FileUploadApp.test.jsx/i.

```

4) Word of the day page

```

PASS  src/pages/_tests_/Wordoftheday.test.jsx
QuizPage Component (Wordoftheday.jsx)
  ✓ 1. Show loading state and then render content on successful fetch (55 ms)
  ✓ 2. Display error state if API Key is missing from localStorage (48 ms)
  ✓ 3. Display API error state on fetch failure (74 ms)
  ✓ 4. Display error message when submitting without selecting an option (146 ms)
  ✓ 5. Display correct result on correct answer submission (175 ms)
  ✓ 6. Display incorrect result on incorrect answer submission (146 ms)
  ✓ 7. Reset the quiz state when Retry Quiz is clicked (231 ms)

-----|-----|-----|-----|-----|-----|-----|
File    | %Stmts | %Branch | %Funcs | %Lines | Uncovered Line #s
-----|-----|-----|-----|-----|-----|-----|
All files | 92.59 | 91.3 | 77.77 | 96.15 |
Wordoftheday.jsx | 92.59 | 91.3 | 77.77 | 96.15 | 337,407-408
-----|-----|-----|-----|-----|-----|-----|
Test Suites: 1 passed, 1 total
Tests: 7 passed, 7 total
Snapshots: 0 total
Time: 3.451 s
Ran all test suites matching /src\\pages\\_tests_\\Wordoftheday.test.jsx/i.

```

5) News page

```

PASS  src/pages/_tests_/news_page.test.jsx
NewsPage - Data Fetching and Initial Render
  ✓ 1. Renders loading state initially and fetches articles for page 1 (89 ms)
  ✓ 2. Renders fetched articles and pagination controls successfully (81 ms)
  ✓ 3. Displays error message if API fetch fails (40 ms)
NewsPage - Pagination
  ✓ 4. Navigates to the next page when "Next" is clicked (66 ms)
  ✓ 5. Navigates back to the previous page when "Previous" is clicked (87 ms)
NewsPage - Search and Filtering
  ✓ 6. Filters articles by title match (32 ms)
  ✓ 7. Filters articles by author match (case-insensitive) (15 ms)
  ✓ 8. Filters articles by source match (18 ms)
  ✓ 9. Displays message when no articles match the search (31 ms)

-----|-----|-----|-----|-----|-----|
File    | %Stmts | %Branch | %Funcs | %Lines | Uncovered Line #s
-----|-----|-----|-----|-----|-----|
All files | 93.75 | 73.8 | 91.66 | 93.75 |
news_page.jsx | 93.75 | 73.8 | 91.66 | 93.75 | 69-70,177
-----|-----|-----|-----|-----|-----|
Test Suites: 1 passed, 1 total
Tests: 9 passed, 9 total
Snapshots: 0 total
Time: 1.947 s, estimated 3 s
Ran all test suites matching /src\\pages\\_tests_\\news_page.test.jsx/i.
PS K:\Coding\fin\Fingenie\Frontend> 

```

6)Comparison Page

```
PASS  src/tests/Comparison.test.jsx
Comparison page
  ✓ 1 - Initial UI and disabled state (165 ms)
  ✓ 2 - File uploads and button states (37 ms)
  ✓ 3 - File size validation and persistence (16 ms)
  ✓ 4 - Prevent duplicate uploads (23 ms)
  ✓ 5 - API key input and navigation (11 ms)
  ✓ 6 - Submit comparison and results (62 ms)
  ✓ 7 - Formatted results display (37 ms)
  ✓ 8 - Reset state for new comparison (41 ms)
  ✓ 9 - UI interactions and mouse events (44 ms)
  ✓ 10 - Multiple file types and sizes (23 ms)
  ✓ 11 - Same filename different sizes allowed (32 ms)
  ✓ 12 - Comprehensive comparison results (33 ms)

-----|-----|-----|-----|-----|-----|
File    | %Stmts | %Branch | %Funcs | %Lines | Uncovered Line #
-----|-----|-----|-----|-----|-----|
All files          87.7   79.59    100    91.3
comparison.jsx    87.7   79.59    100    91.3  250,256,268,279,363-364,367-368,380-381
-----|-----|-----|-----|-----|-----|
Test Suites: 1 passed, 1 total
Tests:        12 passed, 12 total
Snapshots:    0 total
Time:         7.615 s
Ran all test suites matching /src\\tests\\comparison.test.jsx/i.
```

7)Trend_KPI Page