

GUI Testing Report: NewsXpress

This document details the Graphical User Interface (GUI) testing for the **NewsXpress** project. The purpose of this report is to verify the functionality and visual output of each component as tested using the Selenium IDE.

Overview

GUI testing ensures that the user interface meets its specifications and functions correctly. The following sections provide a component-by-component breakdown of the tests, including the functionality tested, expected/actual output, and a visual representation of the test result.

Component: All News (Landing Page)

Functionality	Comments
Text	"Today's Headlines", "Featured Stories", and current date are clearly visible. Article summaries are truncated correctly.
Text-field	Not present (Search bar is part of the Sidebar).
Buttons	"View More" button (for guests) works. Interaction buttons on cards (Bookmark, Translate, TTS) are functional.
Dropdown	Not present.
Check-box	Not present.

Radio Button	Not present.
Hyperlink	"Read More" link on cards successfully redirects to the original source.
Image	Article thumbnails load correctly. Fallback image is displayed if the source image fails.
Other	Loading spinner works. Clicking a card opens the "Reel View" overlay.

Project: NewsXpress*

The screenshot shows a software interface for testing a web application named 'NewsXpress'. At the top, there's a toolbar with icons for file operations like 'New', 'Open', 'Save', and 'Run'. Below the toolbar, the project name 'NewsXpress*' is displayed, along with a status message 'AllTests*'. The main area contains a table of test steps:

Command	Target	Value
21 ✓ click	css= pr-10	
22 ✓ click	css= close-btn	
23 ✓ mouse down at	css= overflow-x-auto	703.6374969482422.51.40000009536743
24 ✓ mouse move at	css= overflow-x-auto	703.6374969482422.51.40000009536743
25 ✓ mouse up at	css= overflow-x-auto	703.6374969482422.51.40000009536743
26 ✓ click	css= relative nth-child(1) > .inset-0	
27 ✓ click	css= absolute > .lucide	
28 ✓ click	css= h-10	

Below the table are input fields for 'Command', 'Target', 'Value', and 'Description'. A progress bar at the bottom indicates 'Runs: 1 Failures: 0'. The bottom section is a log table:

Log	Reference	Date
23. mouseDownAt on css= overflow-x-auto with value 703.6374969482422.51.40000009536743 OK		02:46:16
24. mouseMoveAt on css= overflow-x-auto with value 703.6374969482422.51.40000009536743 OK		02:46:16
25. mouseUpAt on css= overflow-x-auto with value 703.6374969482422.51.40000009536743 OK		02:46:16
26. click on css= relative nth-child(1) > .inset-0 OK		02:46:16
27. click on css= absolute > .lucide OK		02:46:17
28. click on css= h-10 OK		02:46:21
'AllTests' completed successfully		

Component: Bookmarks

Functionality	Comments
Text	"My Bookmarks" header and subtitle are aligned and readable. Article titles and sources are clearly displayed.
Text-field	"Add a private note..." text area allows input and saves changes automatically on blur.
Buttons	"Remove" button works correctly, removing the card from the list immediately.
Dropdown	Not present.
Check-box	Not present.
Radio Button	Not present.
Hyperlink	"Read" button (and article title) successfully opens the original article URL in a new tab.
Image	Article thumbnails display correctly. Fallback image appears if the source image fails.
Other	Grid layout adjusts properly. Empty state message appears if no bookmarks exist.

✓ Bookmarks*

Command	Target	Value
34 ✓ click	css=h-44	
35 ✓ select window	handle=\${win7430}	
36 ✓ select window	handle=\${root}	
37 ✓ click	css=py-2:nth-child(2)	
38 ✓ click	css=.Toastify__close-button path	
39 ✓ click	css=lg3Ainline-flex	
40 ✓ click	css=hidden space-y-2 > .w-full:nth-child(1)	
41 ✓ click	css=gap-2:nth-child(1) > span:nth-child(2)	

Command: open

Target: https://newsxpress-7bjk.onrender.com/all

Value:

Description:

Runs: 2 Failures: 1

Log Reference

```

36. selectWindow on handle=${root} OK
37. click on css=py-2:nth-child(2) OK
38. click on css=.Toastify__close-button path OK
39. click on css=lg3Ainline-flex OK
40. click on css=hidden space-y-2 > .w-full:nth-child(1) OK
41. click on css=gap-2:nth-child(1) > span:nth-child(2) OK
'Bookmarks' completed successfully

```

Component: Search Bar

Functionality	Comments
Text	Placeholder text "Search headlines..." is clearly visible and legible.
Text-field	Input field accepts text correctly. Focus state changes border color to red.
Buttons	Search icon button is interactive and triggers the search function.
Dropdown	Not present.

Check-box	Not present.
Radio Button	Not present.
Hyperlink	Not present.
Image	Search icon (magnifying glass) renders correctly.
Other	Pressing "Enter" key successfully triggers the search and updates the feed.

✓ Bookmarks*

✓ SearchBar*

9	✓ send keys	css= pr-10	KEY_ENTER
10	✓ click	css= relative:nth-child(1) > .inset-0	
11	✓ click	css= absolute > .lucide	
12	✓ click	css= pr-10	
13	✓ click	css= pr-10	
14	✓ click	css= pr-10	
15	✓ double click	css= pr-10	
16	✓ type	css= pr-10	

Command //

Target

Value

Description

Log Reference

11. click on css=absolute > .lucide OK
 12. click on css=pr-10 OK
 13. click on css=pr-10 OK
 14. click on css=pr-10 OK
 15. doubleClick on css=pr-10 OK
 16. type on css=pr-10 OK
 'SearchBar' completed successfully

Component: CategoryNews

Functionality	Comments
Text	Category Title (e.g., "Technology") and subtitle are displayed correctly at the top.
Text-field	Not present.
Buttons	"View More" button (for guest users) works and triggers the login prompt.
Dropdown	Not present.
Check-box	Not present.
Radio Button	Not present.
Hyperlink	Not present.
Image	Article thumbnails for the specific category load correctly.
Other	Feed correctly filters articles by the selected category. "No news available" message appears if the category is empty.

Executing ▾

✓ CategoryNews*

https://newsxpress-7bjk.onrender.com/

	Command	Target	Value
18	✓ click	css=.flex:nth-child(9) > span	979.6374969482422,31.40000009536743
19	✓ mouse down at	css=.overflow-x-auto	979.6374969482422,31.40000009536743
20	✓ mouse move at	css=.overflow-x-auto	979.6374969482422,31.40000009536743
21	✓ mouse up at	css=.overflow-x-auto	979.6374969482422,31.40000009536743
22	✓ click	css=.lucide-shield	
23	✓ mouse down at	css=.overflow-x-auto	725.6374969482422,49.40000009536743
24	✓ mouse move at	css=.overflow-x-auto	725.6374969482422,49.40000009536743
25	✓ mouse up at	css=.overflow-x-auto	725.6374969482422,49.40000009536743
26	✓ mouse down at	css=.overflow-x-auto	141.6374969482422,51.40000009536743

Command

Target

Value

Description

Runs: 1 Failures: 0

Log Reference

```

23. mouseDownAt on css=.overflow-x-auto with value 725.6374969482422,49.40000009536743 OK
24. mouseMoveAt on css=.overflow-x-auto with value 725.6374969482422,49.40000009536743 OK
25. mouseUpAt on css=.overflow-x-auto with value 725.6374969482422,49.40000009536743 OK
26. mouseDownAt on css=.overflow-x-auto with value 141.6374969482422,51.40000009536743 OK
27. mouseMoveAt on css=.overflow-x-auto with value 141.6374969482422,51.40000009536743 OK
28. mouseUpAt on css=.overflow-x-auto with value 141.6374969482422,51.40000009536743 OK
'CategoryNews' completed successfully

```

Component: Help Support

Functionality	Comments
Text	"Help & Support" header and "Contact support" section are clearly visible.
Text-field	"Name" and "Email" fields auto-fill from the user profile (read-only). "Message" text area accepts input.
Buttons	"Submit" button works and triggers the success state.

Dropdown	Not present.
Check-box	Not present.
Radio Button	Not present.
Hyperlink	Not present.
Image	Icons (Help Circle, Mail) render correctly.
Other	After submission, a success message appears with a 10-second countdown timer that automatically resets the form.

	Command	Target	Value		
✓ AllNews					
✓ Bookmarks					
✓ CategoryNews*					
✓ HelpSupport*					
✓ SearchBar					
9 ✓ run script		window.scrollTo(0,0)			
10 ✓ click		css=.mb-6			
11 ✓ click		name=message			
12 ✓ click		name=message			
13 ✓ click		name=message			
14 ✓ click		name=message			
15 ✓ type		name=message			
16 ✓ click		css=disabled\3Aopacity-60	I am unable to access my personalized feed		
17 ✓ click		css=.Toastify__close-button > svg			
	Command	Target	Value		
	Command	Target	Value		
	Value				
	Description				
Log		Reference			
12. click on name=message OK					
13. click on name=message OK					
14. click on name=message OK					
15. type on name=message with value I am unable to access my personalized feed OK					
16. click on css=disabled\3Aopacity-60 OK					
17. Trying to find css= .Toastify__close-button > svg... OK					
'HelpSupport' completed successfully					

Component: Login Page

Functionality	Comments
Text	"Login to NewsXpress" header and input labels are clearly aligned and legible.
Text-field	"Email" and "Password" fields accept input. Validation triggers if left empty.
Buttons	"Login" button submits the form. Close (X) button works.
Dropdown	Not present.

Check-box	"Show Password" checkbox functions correctly to toggle text visibility.
Radio Button	Not present.
Hyperlink	"Forgot Password?" and "Sign up" links redirect to the correct views.
Image	Not present (Text-based branding).
Other	Loading state ("Logging in...") appears on submission. Error messages appear via toast notifications.

✓ LoginPage*

https://newsxpress-7bjk.onrender.com/

	Command	Target	Value
16	✓ click	css=input:nth-child(4)	
17	✓ click	css=input:nth-child(4)	
18	✓ click	css=input:nth-child(4)	
19	✓ double click	css=input:nth-child(4)	
20	✓ click	css=input:nth-child(4)	
21	✓ type	css=input:nth-child(4)	Tl@123456789
22	✓ click	id=showPassLogin	
23	✓ click	css=login-btn	
24	✓ click	css=Toastrify__close-button path	

Command

Target

Value

Description

Runs: 1 Failures: 0

Log Reference

```

21. type on css=input:nth-child(4) with value Tl@123456789 OK
22. click on id=showPassLogin OK
23. click on css=login-btn OK
24. Trying to find css= Toastrify__close-button path... OK
25. click on css=::hidden > .lucide > path OK
26. click on css=::hidden .p-2 > .lucide OK
'LoginPage' completed successfully

```

Component: NewsCard

Functionality	Comments
Text	Article Title and Summary are displayed. Long text is truncated with "..." to fit the card design. Metadata (Source, Time) is legible.
Text-field	Not present.
Buttons	"Read More" button is clickable and distinct.
Dropdown	Not present.

Check-box	Not present.
Radio Button	Not present.
Hyperlink	"Read More" button successfully redirects to the original article URL in a new tab.
Image	Article image covers the card area. Dark gradient overlay ensures text readability. Fallback image works if source fails.
Other	Category tag (e.g., "General") is displayed in the top-left corner. Clicking the card body opens the "Reel View".

Project: NewsXpress*

Tests + D: Run current test Ctrl+R onrender.com

	Command	Target	Value
✓ AllNews	16 ✓ mouse move at	css=flex-grow	245.20001220703125,-14.237518310546875
✓ Bookmarks	17 ✓ mouse up at	css=flex-grow	245.20001220703125,-14.237518310546875
✓ CategoryNews	18 ✓ click	css=p-4 > .px-3	
✓ HelpSupport	19 ✓ type	css=p-4 > .px-3	hin
✓ LoginPage	20 ✓ click	css=py-1:nth-child(2) > .w-full	
✓ NewsCard*	21 ✓ click	css=h-full:nth-child(2) > relative_p-2!5:nth-child(3) > .lucide	
✓ SearchBar	22 ✓ click	linkText=Read More	
✓ SignUpPage	23 ✓ click	linkText=Read More	

Command: #

Target:

Value:

Description:

Log **Reference**

- 18. click on css= p-4 > .px-3 OK 12:02:34
- 19. type on css= p-4 > .px-3 with value hin OK 12:02:35
- 20. click on css= py-1:nth-child(2) > .w-full OK 12:02:36
- 21. click on css= h-full:nth-child(2) > relative_p-2!5:nth-child(3) > .lucide OK 12:02:36
- 22. click on linkText=Read More OK 12:02:37
- 23. click on linkText=Read More OK 12:02:38
- 'NewsCard' completed successfully 12:02:42

Component: Personalized Feed

Functionality	Comments
Text	"Recommended For You" and "Smart Recommendations" headers are clearly visible. "Last updated" timestamp is accurate.
Text-field	Not present.
Buttons	"Refresh" button updates the feed. "Analytics" button toggles the stats panel.
Dropdown	Not present.

Check-box	Not present.
Radio Button	Not present.
Hyperlink	Not present.
Image	Article thumbnails for recommended stories load correctly.
Other	If not logged in, a "Please sign in" message appears. Clicking a card opens the "Reel View". Analytics panel shows top categories and time spent.

Project: NewsXpress*

Executing ✓ PersonalizedFeed*

https://newsxpress-7bjk.onrender.com

Command	Target	Value
1 ✓ open	/all	
2 ✓ set window size	1536x816	
3 ✓ click	css=hidden > .lucide	
4 ✓ click	css= hidden w-full nth-child(2) > span	
5 ✓ mouse out	css= hidden w-full nth-child(2) > span	
6 ✓ click	css= bg-blue-100	
7 ✓ mouse over	css=bg-blue-100	
8 ✓ mouse out	css= hover\3A bg-blue-200	
9 ✓ click	css= bg-green-100	

Run: 1 Failures: 0

Log Reference

```

4. click on css= hidden w-full nth-child(2) > span OK          12:06:16
5. mouseOut on css= hidden w-full nth-child(2) > span OK      12:06:17
6. click on css= bg-blue-100 OK                                12:06:18
7. mouseOver on css= bg-blue-100 OK                            12:06:20
8. mouseOut on css= hover\3A bg-blue-200 OK                  12:06:21
9. click on css= bg-green-100 OK                               12:06:23
'PersonalizedFeed' completed successfully

```

Component: Profile & Support

Functionality	Comments
Text	User details (Name, Email, Username) are displayed correctly. "Profile & Settings" header is aligned.
Text-field	"Edit Full Name" and "Edit Username" inputs appear when "Edit" is clicked and accept text.
Buttons	"Edit/Cancel" toggles input fields. "Save" updates the profile. "Help & Support" and "Logout" buttons are functional.
Dropdown	Not present.
Check-box	"Notifications" toggle switch works and changes color (Red/Gray) based on state.
Radio Button	Not present.
Hyperlink	Not present (Navigation handled via buttons).
Image	User Avatar loads correctly. Fallback (Initial letter) is displayed if no image exists.
Other	Sidebar slides in from the right. Username availability check runs (debounce) when typing.

Project: NewsXpress*

Executing | Run current test: Ctrl+R onrender.com

✓ Profile&Support* | Runs: 1 Failures: 0

	Command	Target	Value
8	✓ click	css=hidden bg-gray-50 > div:nth-child(2) text-xs	
9	✓ mouse over	css=hidden bg-gray-50 > div:nth-child(2)	text-xs
10	✓ click	css= hidden > overflow-y-auto px-3 nth-child(2)	
11	✓ click	css= Toastify__close-button > svg	
12	✓ click	css=hidden > overflow-y-auto relative	
13	✓ click	css=hidden > overflow-y-auto relative	
14	✓ mouse over	css=hidden > overflow-y-auto relative	
15	✓ click	css=Toastify__close-button path	
16	✓ click	css=hidden p-2 > lucide	

Command | Target | Value

Target | Value

Description

Log | Reference

11. click on css= Toastify__close-button > svg OK
 12. click on css=hidden > overflow-y-auto relative OK
 13. click on css=hidden > overflow-y-auto relative OK
 14. mouseOver on css=hidden > overflow-y-auto relative OK
 15. click on css= Toastify__close-button path OK
 16. click on css=hidden p-2 > lucide OK
 'Profile&Support' completed successfully

Component: Sign Up

The footer contains secondary but important links, such as "About Us" and "Contact."

Functionality	Comments
Text	Headings ("Login to NewsXpress") and labels are properly aligned and readable.
Text-field	"Email" and "Password" fields accept input correctly. Validation triggers for empty fields.
Buttons	"Login" button is functional. Close 'X' button closes the modal.
Dropdown	Not present.

Check-box	"Show Password" checkbox works correctly to toggle visibility.
Radio Button	Not present.
Hyperlink	"Forgot Password?" and "Sign up" links redirect correctly.
Image	Not present.
Other	Loading spinner appears during API call. Toast notifications show success/error messages.

Project: NewsXpress*

Executing ▾ Run current test Ctrl+R onrender.com/

Command	Target	Value
17 ✓ type	css=input:nth-child(7)	2005-09-09
18 ✓ click	css=form	
19 ✓ click	css=input:nth-child(9)	
20 ✓ type	css=input:nth-child(9)	gandhitirth604@gmail.com
21 ✓ click	css=input:nth-child(11)	
22 ✓ type	css=input:nth-child(11)	Tng@2005
23 ✓ click	css=input:nth-child(14)	
24 ✓ type	css=input:nth-child(14)	Tng@2005
25 ✓ click	id=showPassSignup	

Command Target Value

Target

Value

Description

Runs: 1 Failures: 0

Log Reference

```

22. type on css=input:nth-child(11) with value Tng@2005 OK
23. click on css=input:nth-child(14) OK
24. type on css=input:nth-child(14) with value Tng@2005 OK
25. click on id=showPassSignup OK
26. click on css=input:nth-child(14) OK
27. click on css=login-btn OK
'SignUpPage' completed successfully

```

Conclusion

All major GUI components tested for the **NewsXpress** project demonstrated expected functionality and visual output. The next steps will involve reviewing these results with the development team and addressing any minor discrepancies found during the testing process. The complete log of all Selenium IDE tests is available in the Testing Folder(GUI).

The screenshot shows a list of test cases for the NewsXpress project. The project name is displayed at the top, followed by a dropdown menu labeled 'Tests' and a '+' button. Below this is a search bar with the placeholder 'Search tests...' and a magnifying glass icon. The test cases are listed as follows:

- ✓ AllNews
- ✓ Bookmarks
- ✓ CategoryNews
- ✓ HelpSupport
- ✓ LoginPage
- ✓ NewsCard*
- ✓ PersonalizedFeed*
- ✓ Profile&Support*
- ✓ SearchBar*
- ✓ SignUpPage

The last item, 'SignUpPage', is highlighted with a light blue background.