



**Dhirubhai Ambani
University
Technology**

Formerly DA-IICT

IT314 - Software Engineering

GUI Testing

Project title: NextChapter

Group-10

Tester: Sri Sadana Dharavath - 202301121

Extension Used: Selenium IDE

List of web pages and features tested:

1. Sign up page
2. Sign in page
3. Admin page
4. User Profile page, Edit profile
5. Reading list, Already read
6. Open book (including features :Continue reading, Go to page, Dictionary, Zoom, Theme, Audio book, Bookmarking)
7. Features: Add to reading list, Mark as read, Book rating, Comment, Reply, Upvote
8. Filters and Genre

1. Sign up page:

Functionality	Comments
Text	Properly visible and aligned.
Text-field	All fields are working fine.
Buttons	Buttons are working correctly.
Dropdown	Not available.
Check-box	Not available.
Radio Button	Not available.
Hyperlink	All links open correctly.
Image / Icon	Icons and logo are clear and well-placed.
Other	Clean UI and good layout overall.

Project: GUI TESTING*

Tests +

Search tests...

Bookmarking

Bookmarking 1

Open book (continue reading)

✓ sign up*

https://nextchapter-it-314.vercel.app

Command	Target	Value
✓ click	css= placeholder-whiteV40	
✓ type	css= placeholder-whiteV40	jk
✓ click	css= w-full:nth-child(4)> text-sm	
✓ click	css= lucide-arrow-right	
✓ click	css= py-4:nth-child(1)	
✓ click	css= hover3Aopacity-80	
✓ click	css= py-4:nth-child(1)	
✓ click	css= hover3Aopacity-80	

Command

Target

Description

Log Reference

```

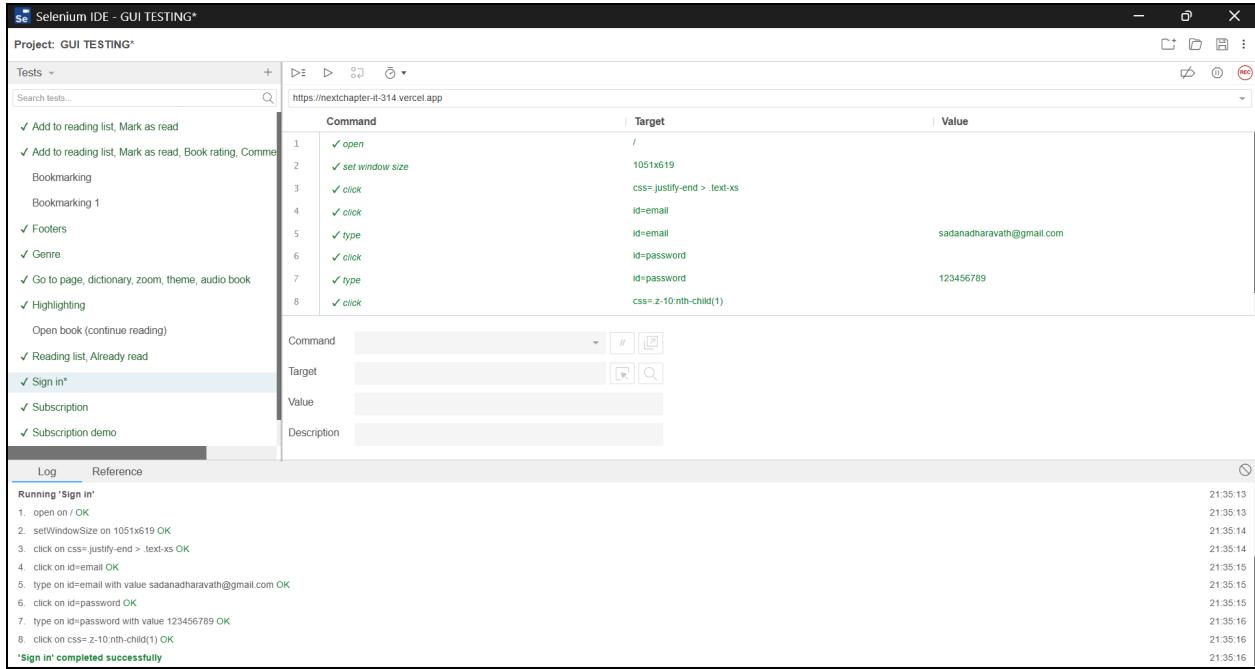
21. click on css= lucide OK
22. click on css= placeholder-whiteV40 OK
23. type on css= placeholder-whiteV40 with value jk OK
24. Trying to find css= w-full:nth-child(4) > text-sm... OK
25. click on css= lucide-arrow-right OK
26. click on css= py-4:nth-child(1) OK
27. click on css= hover3Aopacity-80 OK
28. click on css= py-4:nth-child(1) OK
29. click on css= hover3Aopacity-80 OK
'sign up' completed successfully

```

09:53:59
09:53:59
09:53:59
09:53:59
09:54:00
09:54:07
09:54:08
09:54:08
09:54:08
09:54:08
09:54:08

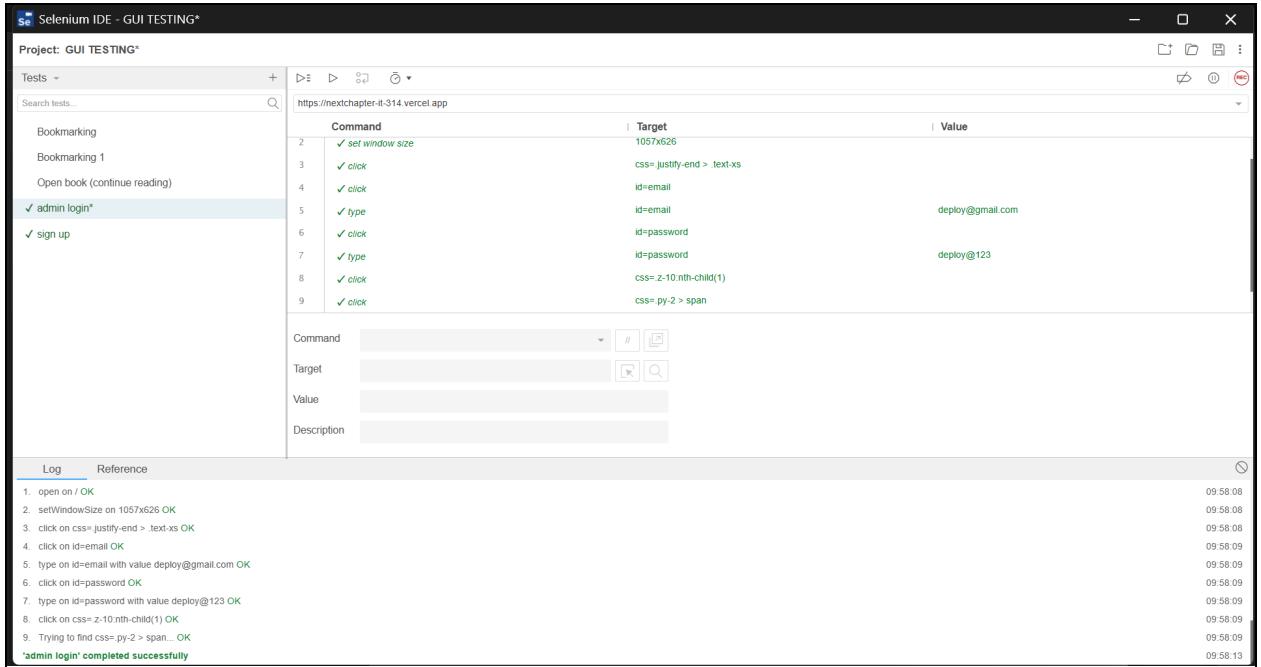
2. Sign in page:

Functionality	Comments
Text	Clear and properly aligned.
Text-field	Email and password fields work fine.
Buttons	All buttons (Sign In, Google, Apple) work properly.
Dropdown	Not available.
Check-box	“Remember Me” checkbox works correctly.
Radio Button	Not available.
Hyperlink	“Forgot Password” and “Sign Up” links work. Header links also working.
Image / Icon	Password eye icon and login provider icons display properly.
Other	Clean layout, easy to use.



3. Admin page:

Functionality	Comments
Text	Headings and labels are clear and readable.
Text-field	No editable text-fields (except profile edit icon).
Buttons	Sign Out, Add Book, and Export buttons work fine.
Dropdown	Not available.
Check-box	Not available.
Radio Button	Not available.
Hyperlink	Sign Out link in header works properly.
Image / Icon	Profile icon, edit icon, and status indicators display correctly.
Other	Dashboard layout is neat, stats load correctly, and UI is easy to navigate.



4. User profile page, Edit profile:

Functionality	Comments
Text	Headings and labels are clear and well-aligned.
Profile Info Display	Name, email, DOB, gender, authors, genres, and languages load correctly.
Text-fields (Read-only)	Fields display user details properly; editable only after clicking the edit icon.
Buttons	“Back to Books” and “Sign Out” buttons work correctly.
Edit Icon	Edit icon is visible and clickable.
Tags	Favorite genres, languages, and author tags are shown properly.
Charts	Reading activity chart loads and displays data correctly.
Cards	Activity blocks (Reading Challenge, Speed, Streak, etc.) appear correctly.

Dropdown	Not available.
Check-box	Not available.
Radio Button	Not available.
Hyperlink	“Upgrade” link works properly. Header links also work.
Image / Icon	Profile icon, calendar icon, mail icon display properly.
Footer Links	Contact, Terms, Privacy, Refund, Shipping, Pricing — all visible and working.
Scroll Behavior	Page scrolls smoothly with no layout breaks.
Responsive Layout	Elements stay aligned when resizing (basic check).
Other	UI is neat, consistent, and easy to navigate.

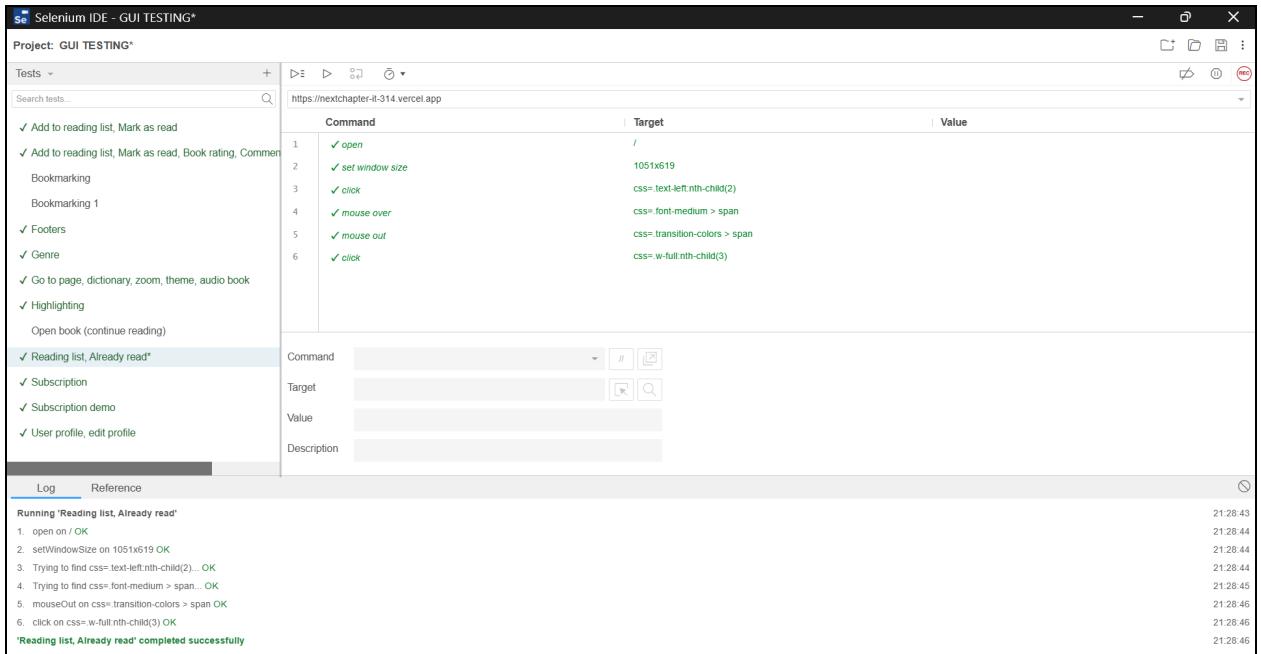
The screenshot shows the Selenium IDE interface with a test log for a project named "GUI TESTING". The test case being run is "User profile, edit profile". The log details the steps taken:

- open on / OK
- setWindowSize on 1051x619 OK
- click on css=circle:nth-child(2) OK
- click on css=hover3A bg-dark-gray\8 > span OK
- Trying to find css=lucide-pen... OK
- click on css=pb-3 px-3 nth-child(6) OK
- click on css=items-center x disabled\3Aopacity-50 OK
- assertAlert on Profile updated successfully! OK
- 'User profile, edit profile' completed successfully

The log entries show timestamps from 20:14:35 to 20:14:40.

5. Reading list, Already read pages:

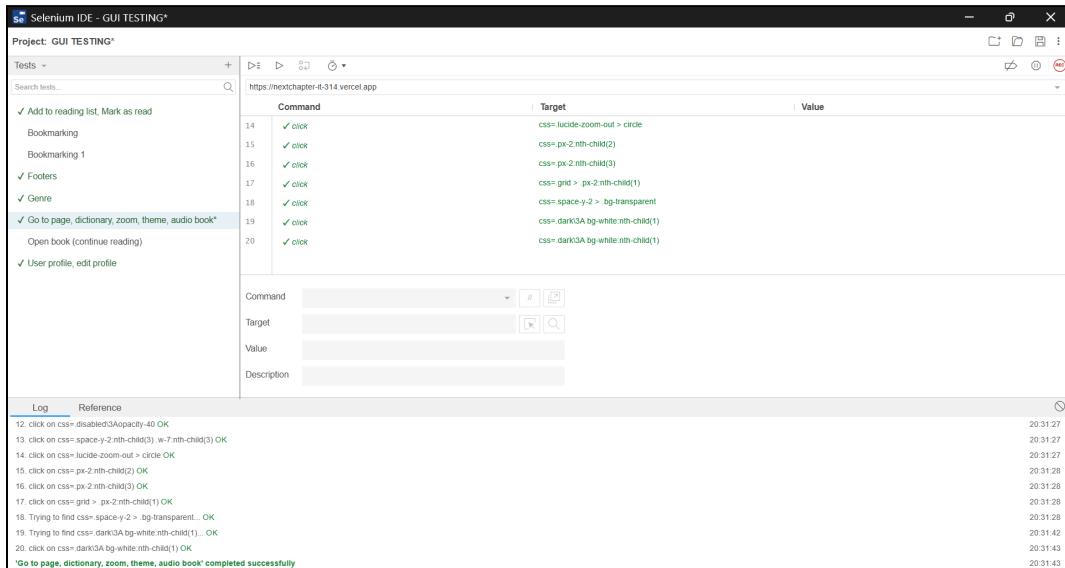
Functionality	Comments
Text	Page title and labels are clear and properly aligned.
Search Bar	Search box is visible, icon shown properly, accepts input.
Book Cards	Book covers load correctly and are clickable.
Grid Layout	Books are arranged neatly without overlap.
Buttons	No major action buttons on this page (view via cards only).
Dropdown	Not available.
Check-box	Not available.
Radio Button	Not available.
Hyperlink	Header links (Library, My Shelf, Subscription, Profile) work fine.
Image / Icon	Book images and search icon display correctly.
Counter Text	“Showing 2 books...” is displayed accurately.
Scroll Behavior	Smooth scrolling; layout remains stable.
Responsive Layout	Elements maintain alignment on resize.
Other	Simple layout, easy to browse saved books.



6. Open book (including features :Continue reading, Go to page, Dictionary, Zoom, Theme, Audio book, Bookmarking):

Functionality	Comments
Text Rendering	Pages load clearly with proper formatting.
Continue Reading	Opens at the correct last-read page.
Page Navigation (Arrows)	Next/Previous buttons work smoothly.
Go to Page	Input box works; jumps to the correct page.
Page Counter	Shows current page and total pages correctly.
Audio Book	Play button works; slider moves properly.
Zoom Controls	Zoom in, zoom out, and reset work fine.
Theme Switcher	Light, Dark, and Reader themes switch correctly.
Highlights	Show/Hide highlights toggles properly.

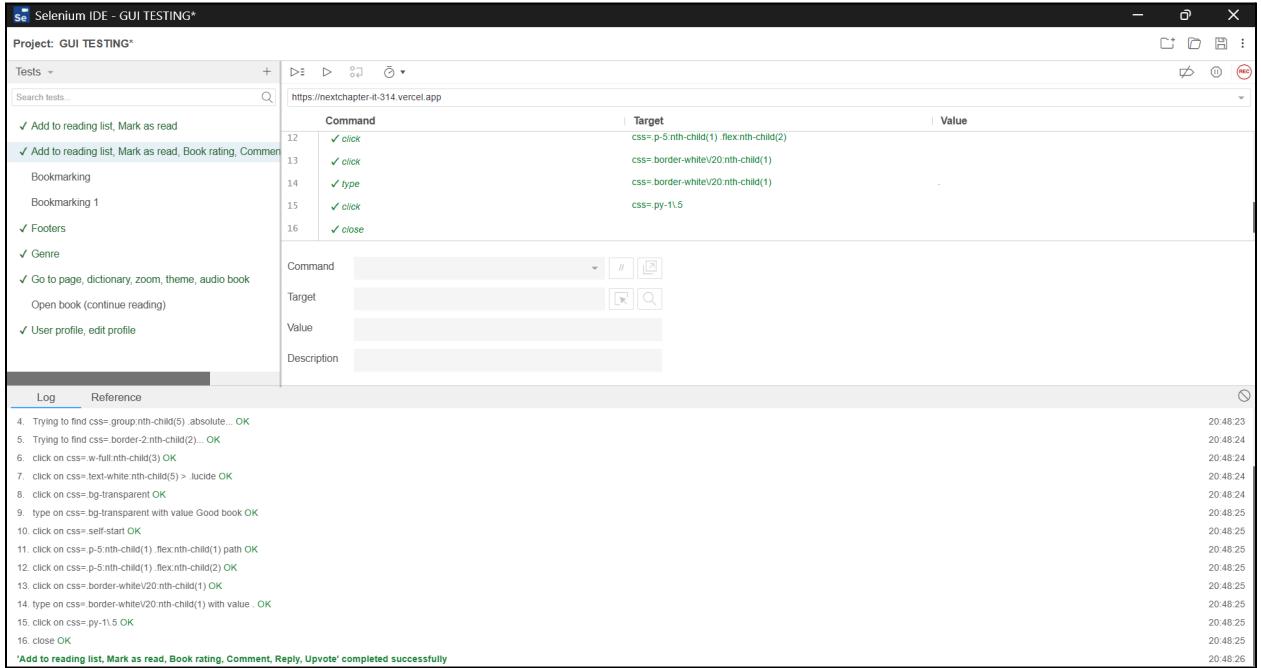
Bookmark Page	Bookmark button adds pages successfully.
View Bookmarks	Dropdown lists all saved bookmarks.
Dictionary	Search field works when typing words manually.
AI Features (Chat / Image)	Buttons are visible and clickable.
Sidebar Navigation	All sections (Page, Audiobook, Zoom, Highlights, Bookmarks, Theme, Storage) expand correctly.
Back Button	Returns to previous page without errors.
Book Info Panel	Book cover and description load correctly.
Scroll Behavior	Smooth vertical scrolling with no layout issues.
Icons	Zoom, play, bookmark, and arrows display properly.
PDF Cache Management	Button visible and accessible.
Close Reader (X)	Closes and returns to book details page correctly.
Responsive Layout	Reader adjusts well when resizing the window.
Other	Overall stable and easy-to-read interface.



7. Features: Add to reading list, Mark as read, Book rating, Comment, Reply, Upvote:

Functionality	Comments
Text	Book title, author, genre, and description display clearly.
Book Cover Image	Loads correctly and is high quality.
Continue Reading Button	Opens the reader at the correct last-read page.
Add to Reading List	Button works and updates the list properly.
Mark as Read	Marks the book as completed successfully.
Rating Section	Stars are clickable; rating gets recorded.
Average Rating Display	Shows correct number of ratings.
Reading Progress Bar	Progress updates and displays percentage correctly.
Comments Textbox	Accepts input, placeholder shows properly.
Post Comment Button	Posts the comment successfully.
Reply to Comment	Reply box visible and functional (if available).
Upvote/Like	Upvote button works and updates count.
Back to Books Link	Redirects correctly to the main library.
Buttons Layout	All action buttons are aligned and clickable.
Scroll Behavior	Smooth scrolling with proper section spacing.
Icons	Rating stars, progress indicators, and all icons display correctly.
Responsive Layout	Layout maintains structure on resize.

Other	Overall clean design, easy navigation.
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8. Filters and Genre:

Functionality	Comments
Text	Page title and description are clear.
Search Bar	Visible and accepts input.
Genre Menu	Opens properly; all genres selectable.
Selected Genre Tag	Selected genre shows as a tag (e.g., <i>Fiction</i>).
Filters Menu	Opens and filter options are clickable.
Book Cards	Book covers load correctly and clickable.
Book Grid	Layout is neat and evenly spaced.
Back Button	Navigates correctly when used.
Navigation Links	Library, My Shelf, Subscription, Profile all working.
Other	Clean and easy-to-browse interface.

Selenium IDE - GUI TESTING*

Project: GUI TESTING*

Executing ▾

https://nextchapter-it-314.vercel.app

Filters*

Command	Target	Value
3 ✓ set window size	css=relative > p-2	
4 ✓ mouse over	css=relative > p-2	
5 ✓ click	css=px-3:nth-child(1)	
6 ✓ mouse over	css=relative > p-2	
7 ✓ mouse out	css=relative > p-2	
8 ✓ click	css=px-3:nth-child(2)	
9 ✓ mouse over	css=relative > p-2	
10 ✓ mouse out	css=relative > p-2	
11 ✓ click	css=px-3:nth-child(3)	

Runs: 1 Failures: 0

Log Reference

- 5. click on css=px-3:nth-child(1) OK
- 6. Trying to find css= relative > p-2... OK
- 7. mouseOut on css= relative > p-2 OK
- 8. click on css= px-3:nth-child(2) OK
- 9. mouseOver on css= relative > p-2 OK
- 10. mouseOut on css= relative > p-2 OK
- 11. click on css= px-3:nth-child(3) OK

'Filters' completed successfully

Selenium IDE - GUI TESTING*

Project: GUI TESTING*

Tests ▾

Search tests... https://nextchapter-it-314.vercel.app

Bookmarking

Bookmarking 1

✓ Genre*

Open book (continue reading)

Command	Target	Value
10 ✓ mouse over	css=relative > p-2	
11 ✓ mouse out	css=relative > p-2	
12 ✓ click	css=px-5:nth-child(4)	
13 ✓ mouse over	css=relative > p-2	
14 ✓ mouse out	css=relative > p-2	
15 ✓ click	css=px-5:nth-child(5)	
16 ✓ mouse over	css=relative > p-2	
17 ✓ mouse out	css=relative > p-2	
18 ✓ click	css=w-full:nth-child(7)	

Command Target Value Description

Log Reference

- 11. mouseOut on css= relative > p-2 OK
- 12. click on css= px-5:nth-child(4) OK
- 13. mouseOver on css= relative > p-2 OK
- 14. mouseOut on css= relative > p-2 OK
- 15. click on css= px-5:nth-child(5) OK
- 16. mouseOver on css= relative > p-2 OK
- 17. mouseOut on css= relative > p-2 OK
- 18. click on css= w-full:nth-child(7) OK

'Genre' completed successfully