



Here below is the LATEST coverage for the Unit Tests

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	48.46	45.64	47.38	49.45	
GLOBALS	100	100	100	100	
Globals.jsx	100	100	100	100	
components	49.15	48.77	48.98	49.82	
BaseTemplatesSection.jsx	39.13	43.24	25.92	48.9	37,46,68-91,100-129,134-135,145,170,197-273
CustomTemplatesSection.jsx	39.74	36	27.58	42.46	45,54,64,68-93,99-122,132-155,182-186,236-280
Dashboard.jsx	100	100	100	100	
DropdownTagInput.jsx	100	66.66	100	100	7
ExportButton.jsx	22.1	17.46	43.75	23.59	20,24-147,160
FilterSearchBar.jsx	100	0	100	100	5
HorizontalSidebar.jsx	100	100	100	100	
Menu.jsx	100	100	100	100	
MenuButton.jsx	95.65	88.23	100	95.23	19
Popup.jsx	100	100	100	100	
Sidebar.jsx	92.85	100	87.5	92.85	63
Square.jsx	100	100	100	100	
Star.jsx	100	100	100	100	
TableSection.jsx	39.91	42.3	30.55	39.81	53,64,113-121,165,175,192-205,217-220,225,245,249-256,261-282,288-305,313-334,354-358,363-369,374-380,385-388,394-401,418-441,452-478,534-769
TagInput.jsx	100	88.88	100	100	6
Textbox.jsx	100	100	100	100	
UseScaleBlock.jsx	100	66.66	100	100	6-7,39
VerticalDropdown.jsx	100	100	100	100	
WindowsConfirm.jsx	100	100	100	100	
WindowsInput.jsx	100	91.66	100	100	5
templates	45.98	28.98	42.85	48.02	
Login.jsx	76.47	62.5	40	76.47	79-131
MainTemplate.jsx	93.33	100	90.9	93.33	50
UseScalePage.jsx	38.06	24.59	33.33	40	54,101-103,111-118,125-218,233,257,273,281-293,298-318,387-594
Test Suites: 23 passed, 23 total					
Tests: 54 passed, 54 total					
Snapshots: 0 total					
Time: 8.438 s					
Ran all test suites.					

Latest coverage report on 2025/10/25

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	48.46	45.64	47.38	49.45	
GLOBALS	100	100	100	100	
Globals.jsx	100	100	100	100	
components	49.15	48.77	48.98	49.82	
BaseTemplatesSection.jsx	39.13	43.24	25.92	48.9	37,46,68-91,100-129,134-135,145,170,197-273
CustomTemplatesSection.jsx	39.74	36	27.58	42.46	45,54,64,68-93,99-122,132-155,182-186,236-280
Dashboard.jsx	100	100	100	100	
DropdownTagInput.jsx	100	66.66	100	100	7
ExportButton.jsx	22.1	17.46	43.75	23.59	20,24-147,160
FilterSearchBar.jsx	100	0	100	100	5
HorizontalSidebar.jsx	100	100	100	100	
Menu.jsx	100	100	100	100	
MenuButton.jsx	95.65	88.23	100	95.23	19
Popup.jsx	100	100	100	100	
Sidebar.jsx	92.85	100	87.5	92.85	63
Square.jsx	100	100	100	100	
Star.jsx	100	100	100	100	
TableSection.jsx	39.91	42.3	30.55	39.81	...88-305,313-334,354-358,363-369,374-380,385-388,394-401,418-441,452-478,534-769
TagInput.jsx	100	88.88	100	100	6
Textbox.jsx	100	100	100	100	
UseScaleBlock.jsx	100	66.66	100	100	6-7,39
VerticalDropdown.jsx	100	100	100	100	
WindowsConfirm.jsx	100	100	100	100	
WindowsInput.jsx	100	91.66	100	100	5
templates	45.98	28.98	42.85	48.02	
Login.jsx	76.47	62.5	40	76.47	79-131
MainTemplate.jsx	93.33	100	90.9	93.33	50
UseScalePage.jsx	38.06	24.59	33.33	40	54,101-103,111-118,125-218,233,257,273,281-293,298-318,387-594
Test Suites: 23 passed, 23 total					
Tests: 54 passed, 54 total					
Snapshots: 0 total					
Time: 9.803 s					
Ran all test suites.					

root→ coverage/lcov-report/index.html

All files

48.46% Statements 379/78245.64% Branches 394/85647.38% Functions 327/28849.45% Lines 361/738

Press n or j to go to the next uncovered block, b, p or k for the previous block.

Filter

File	Statements	Branches	Functions	Lines
GLOBALS	100%	1/1	100%	0/0
components	49.15%	292/594	48.77%	179/367
templates	45.98%	86/187	28.98%	20/69

Components

File	Statements	Branches	Functions	Lines
BaseTemplatesSection.jsx	39.13%	27/69	43.24%	16/37
CustomTemplatesSection.jsx	39.74%	31/78	36%	9/25
Dashboard.jsx	100%	1/1	100%	0/0
DropdownTagInput.jsx	100%	8/8	66.66%	2/3
ExportButton.jsx	22.1%	21/95	17.46%	11/63
FilterSearchBar.jsx	100%	3/3	0%	0/1
HorizontalSidebar.jsx	100%	4/4	100%	12/12
Menu.jsx	100%	4/4	100%	2/2
MenuButton.jsx	95.85%	22/23	88.23%	15/17
PopUp.jsx	100%	2/2	100%	4/4
Sidebar.jsx	92.85%	13/14	100%	2/2
Square.jsx	100%	2/2	100%	6/6
Star.jsx	100%	5/5	100%	2/2
TableSection.jsx	39.91%	91/228	42.3%	66/156
TagInput.jsx	100%	12/12	88.88%	8/9
Textbox.jsx	100%	1/1	100%	0/0
UseScaleBlock.jsx	100%	24/24	66.66%	6/9
VerticalDropdown.jsx	100%	5/5	100%	5/5
WindowsConfirm.jsx	100%	3/3	100%	2/2
WindowsInput.jsx	100%	13/13	91.66%	11/12

Templates

File	Statements	Branches	Functions	Lines
Login.jsx	76.47%	13/17	62.5%	5/8
MainTemplate.jsx	93.33%	14/15	100%	0/0
UseScalePage.jsx	38.06%	59/155	24.59%	15/61

Interpretation

Components - Unit Tests

- As seen in the above, upon clicking into the details of Components coverage report, that most components reach full or almost full coverage.
- The only exceptions are **TableSection.jsx**, **BaseTemplatesSection.jsx**, **CustomTemplatesSection.jsx**, and **ExportButton.jsx**

TableSection | BaseTemplatesSection | CustomTemplatesSection

- These components have **low** coverage

- That is because they are **CHUNKY**
 - they combine multiple other components
 - and also heavier operations
- Hence, in the tests, the other components are **mocked** to isolate the parent, hence why most of the real code are never run
- The components are already tested individually, and these **TableSection**, **BaseTemplatesSection**, **CustomTemplatesSection** tests focus on the UI logic and user interactions
- That explains why they have low coverage for that many lines in those components are seen as never executed

ExportButton

- **ExportButton** test has low coverage because this component Unit Test only checks the visible UI behaviors
 - i.e. toggling the two checkboxes, and how they enable/disable the download button
- The actual export logic (SheetJs, file saving, etc.) are skipped
- Hence the low coverage

Templates - Integration Tests

Login 76.47%

- This integration test for Login.jsx page covers the main login flow, with success and failure cases, and it also covers the navigation to next pages as well as pop ups
- The missing parts are:
 - “Show/Hide password” toggle which was later added
 - and Forgot Password pop up window
 - which was not tested for that it contains only a pop up window with no significant functionality yet, it just says “Contact Admin for help”
- Hence the conditional statements for these two paths were never covered in the integration test
- They will be implemented in later updates

MainTemplate 93.33%

- Child components were all mocked, this integration test focused on the **data flow** in this page
- The tests make sure both the custom templates and base templates are fetched correctly from server
- Namely, fetch mocks checks that both custom and base templates endpoints receive and return data
 - allowing both success and failure cases to be covered

UseScalePage 38.06%

- This integration test had the lowest coverage of the three, but it was also the largest and most complex page in the application
- The tests only check that the main layout renders and that the data from /usecase and /entries appear correctly
- Since all child components (**TableSection**, **Sidebar**, **HorizontalSidebar**, etc.) are mocked, none of their inner behaviors ran
- Hence, the saving, editing, new subjects, tagging were not executed in this Integration test
 - which is why many lines remained uncovered and untested
- This integration test is still a work in progress:
 - what it does:
 - it checks that the page is rendered properly
 - the layout components appear
 - and that the mocked data appears
 - what it needs:
 - non static mocks (dependent on userid, subjectid, etc.)
 - functionality logic (saving, editing, popups)
 - should scale up to include child components instead of mocking them
- Needs to be completed more in detail
 - in later updates