

# Oct 13 Unit Test Changes on Frontend/Backend branch update (Oct 13)

Date: Oct 13, 2025

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## Test

Testing all components via **Unit Tests** from parent directory [Unit Test](#)

The test will assess all components from the most recent Backend branch update

- See [All Commit Summary](#) Commit

## Unit Test Results

| File                       | % Stats | % Branch | % Funcs | % Lines | Uncovered Line #s   |
|----------------------------|---------|----------|---------|---------|---|
| All files                  | 43.36   | 40.62    | 50.9    | 45.42   |   |
| GLOBALs                    | 100     | 100      | 100     | 100     |   |
| Globals.jsx                | 100     | 100      | 100     | 100     |   |
| components                 | 42.34   | 44.37    | 52.79   | 43.71   |   |
| BaseTemplatesSection.jsx   | 38.33   | 41.66    | 35      | 41.07   | 51-70,75-103,108-109,119,144,171-226  |
| CustomTemplatesSection.jsx | 31.81   | 26.92    | 35      | 35      | 42-69,75-96,102-122,141-152,202-212   |
| Dashboard.jsx              | 100     | 100      | 100     | 100     |   |
| DropdownTagInput.jsx       | 100     | 66.66    | 100     | 100     | 7   |
| ExportButton.jsx           | 20.65   | 17.74    | 46.66   | 22.09   | 18-141,154  |
| 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   | 90       | 87.5    | 92.85   | 63  |
| Square.jsx                 | 100     | 100      | 100     | 100     |   |
| Star.jsx                   | 100     | 100      | 100     | 100     |   |
| TableSection.jsx           | 37.93   | 38.73    | 34.48   | 38.65   | 50,61,110-118,164-167,172,192-196,201-223,229-258,264-286,305-309,314-320,325-331,336-343,348-355,372-395,406-432,488-673 |
| TagInput.jsx               | 100     | 88.88    | 100     | 100     | 6   |
| TextBox.jsx                | 100     | 100      | 100     | 100     |   |
| UseScaleClock.jsx          | 8.33    | 44.44    | 25      | 8.33    | 19-48,63-64   |
| Verticaldropdown.jsx       | 100     | 100      | 100     | 100     |   |
| templates                  | 46.19   | 24.35    | 45.9    | 50.64   |   |
| Login.jsx                  | 76.47   | 62.5     | 40      | 76.47   | 79-131  |
| MainTemplate.jsx           | 93.33   | 100      | 90.9    | 93.33   | 50  |
| UseScalePage.jsx           | 37.41   | 20       | 35.55   | 41.8    | 48-80,89-91,99-106,113-195,210,234,246,308-407  |

```
2061 Test Suites: 4 failed, 17 passed, 21 total
2062 Tests:       6 failed, 35 passed, 41 total
2063 Snapshots:   0 total
2064 Time:        8.148 s
2065 Ran all test suites.
2066 Error: Process completed with exit code 1.
```

Square ✓

## DropdownTagInput ✖

- ⓘ New version of DropdownTagInput.jsx code has passed in onChange and always calls it but it was never passed into the test

**Current** version does not have onChange, so its marked as undefined

**New** version takes onChange into consideration. onChange is passed in, and also expected to be triggered by user selection.

- **Check:**

- starts as a `select` with "" placeholder (empty)
- selecting an option turns it into a tag with (x) clear button
- clicking (x) clears and returns to the `select` with placeholder

- **Tests 🖊:**

- ① select → tag → clear → back to select

- **Code**

- [DropdownTagInput.txt](#) → [DropdownTagInputV2.txt](#) ( Oct 13, 2025 )

- **To Run:**

- 1 | `npm test -- client/src/components/_tests_/DropdownTagInput.test.jsx`

- **All Passed:**

- ✅ select → tag → clear → back to select

```
PS C:\Users\ferra\Documents\Federico\UniMelb\Year 3\Sem2\AI_Use_Scale_APP\secondo\AI_UseScale_APP> npm test -- client/src/components/_tests_/DropdownTagInput.test.jsx
> test
> jest client/src/components/_tests_/DropdownTagInput.test.jsx
PASS  client/src/components/_tests_/DropdownTagInput.test.jsx
  DropdownTagInput
    ✓ select + tag + clear + back to select (108 ms)

Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:   0 total
Time:        1.609 s
Ran all test suites matching client/src/components/_tests_/DropdownTagInput.test.jsx.
```

FilterSearchBar ✓

Menu ✓

Dashboard ✓

Star ✓

UseScaleBlock ✗

ⓘ In commit [Triple dot to edit scales display only for admins](#)

- Full SHA: 4140c691c32504c28a63cddb72463321b205687e

```
48 -   <div
49 -     className="use-scale-block"
50 -     onClick={onClick}
51 -     role="button"
52 -     draggable={draggable}
53 -     onDragStart={handleDragStart}
54 -     {...rest}
55 -   >
56 +   <div className="use-scale-block" onClick={onClick} draggable={draggable} onDragStart={handleDragStart} {...rest}>
```

the role="button" property in the UseScaleBlock <div> was removed

causing the test to not work due to being unable to find the corresponding <div>

New test to respect the **isAdmin** check to allow editing rights (edit icon visible to admins only)

**Added** role="button" back into the "use-scale-block" <div> in UseScaleBlock.jsx

New version includes a new test to ensure the **isAdmin** prop is being respected, and that the edit icon appears only for Admin users

- **Check:**

- shows level, label with `labelBg`
- root has `role="button"` and `draggable` prop
- `dragstart` stores JSON `{ level, label, entry_type_id }` under application/json

- NEW UseScaleBlock edit icon should only appear for admin user | and clicking the icon should only call `onEditClick` and NOT the parent `onClick`

- **Tests** :

- ① renders level & label and is draggable by default
- ② respects `draggable={false}`
- ③ dragstart sets JSON payload
- NEW ④ renders edit icon for admin users | triggers `onEditClick` without misfiring parent `onClick`
- NEW ⑤ does not render edit icon for subject coordinator users

- **Code**

- `UseScaleBlock.txt` → `UseScaleBlockV2.txt` ( Oct 13, 2025 )

- **To Run:**

- 1 `npm test -- client/src/components/_tests_/UseScaleBlock.test.jsx`

- **All passed:**

- ✓ renders level & label and is draggable by default
- ✓ respects `draggable={false}`
- ✓ dragstart sets JSON payload
- NEW ✓ renders edit icon for admin users | triggers `onEditClick` without misfiring parent `onClick`
- NEW ✓ does not render edit icon for subject coordinator users

```
PS C:\Users\Yerra\Documents\Federico\UniMeI0\Year 3\Sem2\AI_Use_Scale_APP\secondo\AI_Usescale_APP> npm test -- client/src/components/_tests_/UseScaleBlock.test.jsx

> test
> jest client/src/components/_tests_/UseScaleBlock.test.jsx

PASS  client/src/components/_tests_/UseScaleBlock.test.jsx
  UseScaleBlock
    ✓ renders level & label and is draggable by default (58 ms)
    ✓ respects draggable={false} (8 ms)
    ✓ dragstart sets JSON payload with level, label, entry_type_id (10 ms)
    ✓ renders edit icon for admin users | triggers onEditClick without misfiring parent onClick (58 ms)
    ✓ does not render edit icon for subject coordinator users (3 ms)

Test Suites: 1 passed, 1 total
Tests:       5 passed, 5 total
Snapshots:   0 total
Time:        1.886 s
Ran all test suites matching client/src/components/_tests_/UseScaleBlock.test.jsx.
```

ExportButton ✓

Textbox ✓

MenuButton ✓

PopUp ✓

BaseTemplatesSection ✓

Sidebar ✓

VerticalDropdown ✓

TagInput ✗

- ➊ New version of TagInput.jsx code has passed in onChange but it was never passed into the test

**Current** version does not have onChange, so its marked as undefined

**New** version takes onChange into consideration. onChange is passed in, and also expected to be triggered by each key the user presses to type in.

- **Check:**

- shows an input for tags
- enter adds a tag
- `onChange` triggered on add/remove
- `remove` deletes the tag

- **Tests** ✏ :

- ➊ adds a tag on Enter and removes it via `x` remove button

- **Code**

- `TagInput.txt` → `TagInputV2.txt` ( Oct 13, 2025 )

- **To Run:**

- 1 | npm test -- client/src/components/\_tests\_/TagInput.test.jsx

- All passed:

- ✓ adds a tag on Enter and removes it via × remove button

```
PS C:\Users\ferra\Documents\Federico\UniMelb\Year 3\Sem2\AI_Use_Scale_APP\secondo\AI_UseScale_APP> npm test -- client/src/components/_tests_/TagInput.test.jsx

> test
> jest client/src/components/_tests_/TagInput.test.jsx

PASS  client/src/components/_tests_/TagInput.test.jsx
  TagInput
    ✓ adds a tag on Enter and removes it via × remove button (141 ms)

Test Suites: 1 passed, 1 total
Tests:       1 passed, 1 total
Snapshots:  0 total
Time:        1.582 s
Ran all test suites matching client/src/components/_tests_/TagInput.test.jsx.
```

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## HorizontalSidebar ✓

## CustomTemplatesSection ✗

- ⓘ The template search is now dependent on Backend fetch response (JSON)

Instead of being searched on the Frontend directly

Hence in the new version of the test, we mock the Backend fetch

**Current** version of the test simulates the search directly via the Frontend, just like the previous CustomTemplatesSection

**New** version of the test now mocks the Backend fetches and the responses and aims to test the components viability and workflow as a whole.

- Check

- renders provided templates (custom templates)
- clicking a template calls `onTemplateClick(id, title, subject_id)`
- search input filters by title

- Tests 🧪 :

- ① renders templates, clicking a square calls onTemplateClick passed by parent, search filters by title

## • Code

◦ [CustomTemplatesSection.txt](#) → [CustomTemplatesSectionV2.txt](#) ( Oct 13, 2025 )

## • To Run:

◦ 1 | `npm test -- client/src/components/__tests__/CustomTemplatesSection.test.jsx`

## • All passed:

- ✓ renders templates, clicking a square calls onTemplateClick passed by parent, search filters by title

```
PS C:\Users\Terra\Documents\Federico\UniMeID\Year 3\Sem2\AI_Use_Scale_APP\secondo\AI_UseScale_APP> npm test -- client/src/components/__tests__/CustomTemplatesSection.test.jsx

  ● test
  > jest client/src/components/__tests__/CustomTemplatesSection.test.jsx

    PASS  client/src/components/__tests__/CustomTemplatesSection.test.jsx
      CustomTemplatesSection
        ✓ renders templates, clicking a square calls onTemplateClick passed by parent, search filters by title (153 ms)

      Test Suites: 1 passed, 1 total
      Tests:       1 passed, 1 total
      Snapshots:  0 total
      Time:        1.723 s
      Ran all test suites matching client/src/components/__tests__/CustomTemplatesSection.test.jsx.
```

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## Summary

- 4 failed test suites (UseScaleBlock, CustomTemplatesSection, TagInput, DropdownTagInput)
- 6 failed tests
- All of which are now fixed
  - The test files have been updated accordingly to the changes in component code
- There are 2 new tests in **UseScaleBlock.test.jsx**
- **UseScaleBlock.jsx** the component has been changed
  - added role="button" to the UseScaleBlock <div>

- **UseScaleBlock.test.jsx** the test file has now been **UPDATED** to match latest Frontend and Backend branch updates AND **2 new tests** were added
  - [UseScaleBlockV2.txt](#)
- **CustomTemplatesSection.test.jsx** the test file has now been **UPDATED** to match latest Frontend and Backend branch updates
  - [CustomTemplatesSectionV2.txt](#)
- **TagInput.test.jsx** the test file has now been **UPDATED** to match latest Frontend and Backend branch updates
  - [TagInputV2.txt](#)
- **DropdownTagInput.test.jsx** the test file has now been **UPDATED** to match latest Frontend and Backend branch updates
  - [DropdownTagInputV2.txt](#)