# Oct 4 Unit Test Changes on Frontend branch update (Oct 3)

**Date:**  Oct 4, 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 cell search feature works, Added back missing symbols, Search displays no results if none found, No results found message appears in template search, Comments for readability on Frontend branch

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## Unit Test Results

```
26  --------------------------|---------|----------|---------|---------|-------------------
27  File                      | % Stmts | % Branch | % Funcs | % Lines | Uncovered Line #s
28  --------------------------|---------|----------|---------|---------|-------------------
29  All files                 |   50.6  |   47.52  |  60.44  |  52.29  |
30   GLOBALS                  |   100   |   100    |  100    |  100    |
31    Globals.jsx             |   100   |   100    |  100    |  100    |
32   components               |  50.48  |   47.52  |  60.44  |  52.17  |
33    BaseTemplatesSection.jsx|   100   |   83.33  |  100    |  100    | 26
34    CustomTemplatesSection.jsx|  26.92 |    15    |  33.33  |  29.78  | 29-55,61-80,86-106,144-146
35    Dashboard.jsx           |   100   |   100    |  100    |  100    |
36    DropdownTagInput.jsx    |   100   |   66.66  |  100    |  100    | 5
37    ExportButton.jsx        |  20.65  |   17.74  |  46.66  |  22.09  | 18-141,154
38    FilterSearchBar.jsx     |   100   |    0     |  100    |  100    | 5
39    HorizontalSidebar.jsx   |   100   |   100    |  100    |  100    |
40    Menu.jsx                |   100   |   100    |  100    |  100    |
41    MenuButton.jsx          |  95.65  |   88.23  |  100    |  95.23  | 19
42    PopUp.jsx               |   100   |   100    |  100    |  100    |
43    Sidebar.jsx             |  92.85  |   100    |  87.5   |  92.85  | 63
44    Square.jsx              |   100   |   100    |  100    |  100    |
45    Star.jsx                |   100   |   100    |  100    |  100    |
46    TableSection.jsx        |   42.4  |   42.69  |   38    |  43.62  | 43,91-99,136-139,158-162,167-186,205-209,214-220,225-231,236-243,248-255,271-280,339-501
47    TagInput.jsx            |   100   |   100    |  100    |  100    |
48    Textbox.jsx             |   100   |   100    |  100    |  100    |
49    UseScaleBlock.jsx       |  95.45  |    50    |  66.66  |  95.45  | 44
50    VerticalDropdown.jsx    |   100   |   100    |  100    |  100    |
51  --------------------------|---------|----------|---------|---------|-------------------
52
53  Test Suites: 18 passed, 18 total
54  Tests:       31 passed, 31 total
55  Snapshots:   0 total
56  Time:        6.236 s
57  Ran all test suites.
```

**Square** ✅

**DropdownTagInput** ✅

**FilterSearchBar** ✅

**Menu** ✅

**Dashboard** ✅

**Star** ✅

**UseScaleBlock** ✅

**ExportButton** ✅

**Textbox** ✅

**MenuButton** ✅

**PopUp** ✅

**BaseTemplatesSection** ✅

**Sidebar** ✅

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**VerticalDropdown** ✅ ℹ️

> ℹ️ There is a new **expanded** feature brought into **VerticalDropdown** component
>
> Added **useEffect** to update local open state whenever **expanded** changes

**Current** version of the test only checks toggling by clicking the header (it is still functional)

But it does not account for the new **expanded** prop behavior

**New** version of the test renders with **expanded={true}** → starts open (with children visible, 🔼 )

changing the **expanded** prop after re-rendering → component should react and update state

- **Check:**
  - header shows provided title
  - starts closed with icon 🔽
  - clicking header shows children and flips icon to 🔼
  - clicking it again hides the children and flips it back to 🔽
  - 🆕 respects **expanded** prop:
    - if **expanded={true}**, starting state is open, with children showing and 🔼
    - if **expanded** changes, the component should change accordingly

- **Tests** 🧪 :
  - 1️⃣ toggles open/closed and flips icon
  - 2️⃣ respects expanded prop and updates on prop change

- **Code**
  - ⟨/⟩ VerticalDropdown.txt → ⟨/⟩ VerticalDropdownV2.txt

- **To Run:**
  - 
    ```
    1  npm test -- client/src/components/__tests__/VerticalDropdown.test.jsx
    ```

- **All passed:**
  - ✅ toggles open/closed and flips icon
  - ✅ respects expanded prop and updates on prop change

```
● PS C:\Users\ferra\Documents\Federico\UniMelb\Year 3\Sem2\AI_Use_Scale_APP\secondo\AI_Usescale_APP> npm test -- client/src/components/__tests__/VerticalDro
  pdown.test.jsx

  > test
  > jest client/src/components/__tests__/VerticalDropdown.test.jsx

  PASS client/src/components/__tests__/VerticalDropdown.test.jsx
    VerticalDropdown
      √ toggles open/closed and flips icon (84 ms)
      √ respects expanded prop and updates on prop change (4 ms)

  Test Suites: 1 passed, 1 total
  Tests:       2 passed, 2 total
  Snapshots:   0 total
  Time:        2.002 s
  Ran all test suites matching client/src/components/__tests__/VerticalDropdown.test.jsx.
```

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**TagInput** ✅

**HorizontalSidebar** ✅

**CustomTemplatesSection** ✅

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**TableSection** ✅ ℹ️

> ℹ️ Missing symbols (icons) for the choices within MenuButton is added back, namely <Edit Title> and <make a copy>

**Current** version of the test does not account for the icons and labels correctly appearing.

**New** version of the test contains a new test case where the rendering of the props passed by MenuButton are checked and verified accordingly with **mocked versions** of the actual **.png images** that are passed in during <TableSection ... /> call

- **Check**
  - renders initialTitle
  - render all **8 headers**
    - General Learning or Assessment Tasks
    - AI Use Scale Level
    - Instruction to Students
    - Examples
    - AI Generated Content in Submission
    - AI Tools Used (version and link if available)
    - Purpose and Usage
    - Key Prompts Used (if any)
  - displays row values (i.e. **task**)
  - inline edits should trigger → onRowsChange(updatedRows) with changed task

- 🆕 Header MenuButton includes correct items with both label and **icon** props

- **Tests** 🧪 :
  - ① renders title and headers │ editing cells updates row data via onRowsChange
  - ② header MenuButton has correct items with label and *icon*

- **Code**
  - 🖲️ TableSection.txt → 🖲️ TableSectionV2.txt ( Sep 29, 2025 )
  - → 🖲️ TableSectionV3.txt ( Oct 4, 2025 )

- **To Run:**
  - ```
    1  npm test -- client/src/components/__tests__/TableSection.test.jsx
    ```

- **All passed:**
  - ✅ renders title and headers │ editing cells updates row data via onRowsChange
  - ✅ header MenuButton has correct items with label and *icon*

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## Summary

- No failed tests
- But there is an update in the **VerticalDropdown.test.jsx**
  - new test case added to adhere to the changes made in code
    - new **expanded** prop added into the component
    - so new test checks if the **expanded** prop is respected
- Also an update in the **TableSection.test.jsx**
  - new test case added to check for the correct rendering of icons and labels
    - mocks the icons to check for the correct rendering
- **VerticalDropdown.test.jsx** the _test file_ has now been _**UPDATED**_ to match latest Backend branch update
  - 🖲️ VerticalDropdownV2.txt

- **TableSection.test.jsx** the ___test file___ has now been ___UPDATED___ to match latest Frontend branch update
  - ⌨ TableSectionV3.txt