

## Oct 3 Unit Test Changes on Backend branch update

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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 [big.push, admin and subject coordinator views](#) on Backend branch
  - Namely the “**Admin and Subject Coordinator separate views**” update
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### Unit Test Results

```
1  ▶ Run npm run test:ci
2
3  > test:ci
4  > jest --ci --runInBand --reporters=default --reporters=jest-junit --coverage
5
6  PASS client/src/components/_tests_/Menubutton.test.jsx
7  PASS client/src/components/_tests_/TableSection.test.jsx
8
9  ● console
10
11    console.log
12      TableSection userType: undefined
13
14    at log (client/src/components/TableSection.jsx:140:11)
15
16    console.log
17      TableSection userId: undefined
18
19    at log (client/src/components/TableSection.jsx:141:11)
20
21    console.log
22      TableSection userType: undefined
23
24    at log (client/src/components/TableSection.jsx:140:11)
25
26    console.log
27      TableSection userId: undefined
28
29    at log (client/src/components/TableSection.jsx:141:11)
30
31    console.log
32      TableSection userType: undefined
33
34    at log (client/src/components/TableSection.jsx:140:11)
35
36    console.log
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41    console.log
42      TableSection userType: undefined
43
44    at log (client/src/components/TableSection.jsx:140:11)
45
46    console.log
47      TableSection userId: undefined
48
49    at log (client/src/components/TableSection.jsx:141:11)
50
51
52 PASS client/src/components/_tests_/Sidebar.test.jsx
53 PASS client/src/components/_tests_/CustomTemplateSection.test.jsx
54 FAIL client/src/components/_tests_/BaseTemplateSection.test.jsx
55  ● BaseTemplateSection › renders tiles and triggers first/last clicks
56
57   TestinglibraryElementError: Unable to find an accessible element with the role "button" and name '/\u2022written assessment/i'
58
59   Here are the accessible roles:
60
61     heading;
62
63     Name "Base Templates":
64       <h2 class="base-templates-title">
65         />
66       -----
67     button;
68
69     Name "create from scratch";
70     button;
71       class="square custom-square"
72         type="button"
73       />
74
75
76
77
```

```

78
79 ignored nodes: comments, script, style
80
81   <body>
82     <div>
83       <section
84         class="base-templates-section"
85       >
86         <h2
87           class="base-templates-title"
88         >
89           Base Templates
90         </h2>
91       <div
92         class="base-templates-row"
93       >
94         <button
95           class="square custom-square"
96           type="button"
97         >
98           <span
99             class="square__title"
100            + Create from scratch
101          </span>
102        </button>
103      </div>
104    </sections>
105  </div>
106 </body>
107
108 24 | // Render check
109 25 | const written = screen.getByRole("button", { name: /\w+written assessment/i });
110 26 |           ^
111 27 | const coding = screen.getByRole("button", { name: /\w+coding assessment/i });
112 28 | const oral = screen.getByRole("button", { name: /\w+oral assessment/i });
113 29 | const presentation = screen.getByRole("button", { name: /\w+presentation assessment/i });
114
115
116 at Object.getitemerror [native code]
117 at node_modules/@testing-library/dom/dist/config.js:37:19
118 at node_modules/@testing-library/dom/dist/query-helpers.js:76:38
119 at node_modules/@testing-library/dom/dist/query-helpers.js:52:17
120 at node_modules/@testing-library/dom/dist/query-helpers.js:95:19
121 at Object.getByRole [native code]
122 PASS client/src/components/_tests_/exportbutton.test.jsx
123 PASS client/src/components/_tests_/square.test.jsx
124 PASS client/src/components/_tests_/usescaledlock.test.jsx
125 PASS client/src/components/_tests_/horizontalsidebar.test.jsx
126 PASS client/src/components/_tests_/filtersearchbar.test.jsx
127 PASS client/src/components/_tests_/dropdowntaginput.test.jsx
128 PASS client/src/components/_tests_/verticaldropdown.test.jsx
129 PASS client/src/components/_tests_/popup.test.jsx
130 PASS client/src/components/_tests_/taginput.test.jsx
131 PASS client/src/components/_tests_/menu.test.jsx
132 PASS client/src/components/_tests_/star.test.jsx
133 PASS client/src/components/_tests_/textbox.test.jsx
134 PASS client/src/components/_tests_/dashboard.test.jsx
135
136 -----|-----|-----|-----|-----|
137 File   | % Stats | % Branch | % Funcs | % Lines | Uncovered Line #
138 -----
139 All files | 46.17 | 43.46 | 54.54 | 47.74 |
140 GLOBALS.jsx | 100 | 100 | 100 | 100 |
141 Globals.jsx | 100 | 100 | 100 | 100 |
142 components | 46.17 | 43.46 | 54.54 | 47.74 |
143 BaseTemplateSection.jsx | 28.57 | 33.33 | 29 | 12 | 38-33,41-60,71-95
144 CustomTemplateSection.jsx | 30.92 | 32 | 33.33 | 29.28 | 43-69,75-94,108-126,157-159
145 Dashboard.jsx | 100 | 100 | 100 | 100 |
146 Dropdowntaginput.jsx | 100 | 66.66 | 100 | 5 |
147 Exportbutton.jsx | 20.65 | 17.74 | 46.66 | 22.09 | 18-141,154
148 Filtersearchbar.jsx | 100 | 0 | 100 | 5 |
149 Horizontalsidebar.jsx | 100 | 100 | 100 | 100 |
150 Menu.jsx | 100 | 100 | 100 | 100 |
151 Menubutton.jsx | 95.45 | 88.23 | 100 | 95.23 | 19
152 Popup.jsx | 100 | 100 | 100 | 100 |
153 Sidebar.jsx | 92.85 | 100 | 87.5 | 92.85 | 63
154 Square.jsx | 100 | 100 | 100 | 100 |
155 Star.jsx | 100 | 100 | 100 | 100 |
156 TableSection.jsx | 39.28 | 38.57 | 35.18 | 40.1 | 44,55,102-110,158-161,180-184,189-208,214-239,245-264,283-287,292-298,303-309,314-321,326-331,350-361,370,433-608
157 -----|-----|-----|-----|-----|
158 TagInput.jsx | 100 | 100 | 100 | 100 |
159 TextBox.jsx | 100 | 100 | 100 | 100 |
160 Usescaledlock.jsx | 95.45 | 50 | 66.66 | 95.45 | 44
161 Verticaldropdown.jsx | 100 | 100 | 100 | 100 |
162 -----
163 Test Suites: 1 failed, 17 passed, 18 total
164 Tests: 1 failed, 30 passed, 31 total
165 Snapshots: 0 total
166 Time: 6.488 s
167 Ran all test suites.
168 Error: Process completed with exit code 1.

```

Square ✓

DropdownTagInput ✓

FilterSearchBar ✓

Menu ✓

Dashboard ✓

Star ✓

UseScaleBlock ✓

ExportButton ✓

Textbox ✓

MenuButton ✓

PopUp ✓

BaseTemplatesSection ✗

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

```
PS C:\Users\ferra\Documents\Federico\UniMeib\Year 3\Sem2\AI_Use_Scale_APP> npm test -- client/src/components/_tests_/BaseTemplatesSection.test.jsx  
> test  
> jest client/src/components/_tests_/BaseTemplatesSection.test.jsx  
FAIL  client/src/components/_tests_/BaseTemplatesSection.test.jsx  
  BaseTemplatesSection  
    × renders tiles and triggers first/last clicks (60 ms)  
      ● BaseTemplatesSection > renders tiles and triggers first/last clicks  
  
      TestingLibraryElementError: Unable to find an accessible element with the role "button" and name '/+\\$written assessment/i'  
  
      Here are the accessible roles:  
        heading:  
          Name "Base Templates":  
            <h2  
              class="base-templates-title"  
            />  
          .....  
        button:  
          Name "+ Create from scratch":  
            <button  
              class="square custom-square"  
              type="button"  
            />  
          .....  
        Ignored nodes: comments, script, style  
      <body>  
        <div>  
          <section  
            class="base-templates-section"  
          >  
            <h2  
              class="base-templates-title"  
            >  
              Base Templates  
            </h2>  
            <div  
              class="base-templates-row"  
            >  
              .....  
            <button  
              class="square custom-square"  
              type="button"  
            >  
              <span  
                class="square__title"  
              >  
                + Create from scratch  
              </span>  
            </button>  
          </div>  
        </section>  
      </div>  
    </body>  
  
24 | // Render check  
25 |   const written = screen.getByRole("button", { name: '/+\\$written assessment/i' });  
26 |   ^  
27 |   const coding = screen.getByRole("button", { name: '/+\\$coding assessment/i' });  
28 |   const oral = screen.getByRole("button", { name: '/\\$oral assessment/i' });  
29 |   const presentation = screen.getByRole("button", { name: '/\\$presentation assessment/i' });  
  
at Object.getElementFromRoot (node_modules/@testing-library/dom/dist/config.js:37:19)  
at node_modules/@testing-library/dom/dist/query/helpers.js:76:38  
at node_modules/@testing-library/dom/dist/query/helpers.js:52:17  
at node_modules/@testing-library/dom/dist/query/helpers.js:95:19  
at Object.getByRole (client/src/components/_tests_/BaseTemplatesSection.test.jsx:26:28)  
  
Test Suites: 1 failed, 1 total  
Tests:    1 failed, 1 total  
Snapshots: 0 total  
Time:    2.252 s  
Ran all test suites matching client/src/components/_tests_/BaseTemplatesSection.test.jsx.
```

## Cause:

- Latest version of the webapp now has different views and rights for different users, namely admin and subject coordinator
- While Admin has access to Global Base Templates and can create Drafts of said templates; Subject Coordinators can only access the base templates published by admin, and then customise their own DIY templates either from the base or from scratch
- The **test** should be **modified** to fit the latest code accordingly, as the view for different accounts are different now and cannot be hardcoded

## New Code:

- [BaseTemplatesSectionV2.txt](#)

## New Output:

```
PS C:\Users\ferra\Documents\Federico\UniMelb\Year 3\Sem2\AI_Use_Scale_APP\secondo\AI_Usescale_APP> npm test -- client/src/components/_tests_/BaseTemplatesSection.test.jsx
> test
> jest client/src/components/_tests_/BaseTemplatesSection.test.jsx
PASS  client/src/components/_tests_/BaseTemplatesSection.test.jsx
  BaseTemplatesSection
    ✓ renders coordinator tiles with + prefix and triggers clicks (104 ms)
    ✓ renders admin tiles without + prefix and correct create label (46 ms)

Test Suites: 1 passed, 1 total
Tests:       2 passed, 2 total
Snapshots:  0 total
Time:        1.627 s, estimated 2 s
Ran all test suites matching client/src/components/_tests_/BaseTemplatesSection.test.jsx.
```



## New Criteria:

### Check:

- Renders tiles based on templates prop
- Coordinator: template squares have “+” prefix, create button shows “+ Create from scratch”
- Admin: template squares shown without “+”, heading changes to “Global Base Templates”, create button shows “+ Create new base template draft”
- Clicking any template square calls onBaseTemplateClick(id, title, subject\_id)
- Clicking create square calls onCreateFromScratchClick()

## Tests :

- ① renders coordinator squares with + prefix and trigger clicks
- ② renders admin squares without + prefix and correct create label

## To Run:

```
1 | npm test -- client/src/components/tests/BaseTemplatesSection.test.jsx |
```

## All Passed:

- ✅ renders coordinator squares with + prefix and trigger clicks
  - ✅ renders admin squares without + prefix and correct create label
- 

Sidebar ✅

VerticalDropdown ✅

TagInput ✅

HorizontalSidebar ✅

CustomTemplatesSection ✅

TableSection ✅

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## Summary

- One failed test occurred in **BaseTemplatesSection.test.jsx**
  - was due to new functionality added in app: admin and subject coordinator separate views added
    - meaning the hardcoded one for all view was no longer applicable
  - hence: change BaseTemplatesSection test file to abide the latest changes
- **BaseTemplatesSection.test.jsx** the **test file** has now been **UPDATED** to match latest Backend branch latest update
  - ✅ BaseTemplatesSectionV2.txt