

## 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

### Unit Test Results

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

```

78
79 ignored nodes: comments, script, style
80 <body>
81   <div>
82     <section
83       class="base-templates-section"
84     >
85       <h2
86         class="base-templates-title"
87       >
88         Base Templates
89       </h2>
90       <div
91         class="base-templates-row"
92       >
93         <button
94           class="square custom-square"
95           type="button"
96         >
97           <span
98             class="square__title"
99           >
100             + Create from scratch
101           </span>
102         </button>
103       </div>
104     </section>
105   </div>
106 </body>
107
108 24 |
109 25 | // Render check
110 26 | const written = screen.getByRole("button", { name: /\s*\written assessment/i });
111 27 |
112 27 | const coding = screen.getByRole("button", { name: /\s*\coding assessment/i });
113 28 | const oral = screen.getByRole("button", { name: /\s*\oral assessment/i });
114 29 | const presentation = screen.getByRole("button", { name: /\s*\presentation assessment/i });
115

```

```

116 at Object.getJestEnvironmentError (node_modules/@testing-library/dom/dist/config.js:17:19)
117 at node_modules/@testing-library/dom/dist/query-helpers.js:76:18
118 at node_modules/@testing-library/dom/dist/query-helpers.js:52:17
119 at node_modules/@testing-library/dom/dist/query-helpers.js:25:19
120 at Object.getByRole (client/src/components/_tests_/BaseTemplatesSection.test.jsx:26:28)
121
122 PASS client/src/components/_tests_/ExportButton.test.jsx
123 PASS client/src/components/_tests_/Square.test.jsx
124 PASS client/src/components/_tests_/UseScaleLock.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

```

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```

File	% Stats	% Branch	% Funcs	% Lines	Uncovered line #s
All files	46.17	43.46	54.54	47.74	
globals	100	100	100	100	
globals.jsx	100	100	100	100	
components	46.05	43.46	54.54	47.62	
BaseTemplatesSection.jsx	28.57	33.33	20	32	30-33,41-60,71-95
CustomTemplatesSection.jsx	26.92	25	33.33	29.78	43-69,79-94,100-120,157-159
Dashboard.jsx	100	100	100	100	
DropdownTagInput.jsx	100	66.66	100	100	5
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	95.45	88.23	100	95.23	19
Popup.jsx	100	100	100	100	
Sidebar.jsx	92.85	100	87.5	92.85	43
Square.jsx	100	100	100	100	
Star.jsx	100	100	100	100	
TableSection.jsx	39.28	38.57	75.18	40.1	64,55,102-110,150-161,180-184,189-200,214-239,245-264,283-287,292-298,303-309,314-321,328-333,350-361,370,433
end					
TagInput.jsx	100	100	100	100	
Textbox.jsx	100	100	100	100	
UseScaleLock.jsx	95.45	50	66.66	95.45	44
VerticalDropdown.jsx	100	100	100	100	

```

161
162 Test Suites: 1 failed, 17 passed, 18 total
163 Tests: 1 failed, 30 passed, 31 total
164 Snapshots: 0 total
165 Time: 6.488 s
166 Ran all test suites.
167 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\ferna\Documents\Federico\Uni\Meib\Year 3\Sem2\AI_Use_Scale_APP\secondo\AI_UseScale_APP> npm test -- client/src/components/__tests__/BaseTemplat
esSection.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 (68 ms)

   ● BaseTemplatesSection › renders tiles and triggers first/last clicks

    TestingLibraryElementError: Unable to find an accessible element with the role "button" and name '/\+\s*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"
            >
              + Create from scratch
            </button>
          </div>
        </section>
      </div>
    </body>
```

```
    <button
      class="square custom-square"
      type="button"
    >
      + Create from scratch
    </button>
  </div>
</section>
</div>
</body>

24 |
25 | // Render check
> 26 | const written = screen.getByRole("button", { name: '/\+\s*written assessment/i });
    |                                     ^
27 |
28 | const coding = screen.getByRole("button", { name: '/\+\s*coding assessment/i });
29 | const oral = screen.getByRole("button", { name: '/\+\s*oral assessment/i });
    |                                     ^
30 | const presentation = screen.getByRole("button", { name: '/\+\s*presentation assessment/i });
    |                                     ^
31 |
32 | at Object.getElementError (node_modules/@testing-library/dom/dist/config.js:37:19)
33 | at node_modules/@testing-library/dom/dist/query-helpers.js:76:38
34 | at node_modules/@testing-library/dom/dist/query-helpers.js:52:17
35 | at node_modules/@testing-library/dom/dist/query-helpers.js:95:19
36 | at Object.getByRole (client/src/components/__tests__/BaseTemplatesSection.test.jsx:26:28)
37 |
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\feral\Documents\Federico\Unilab\Year 3\Sem2\AI_Use_Scale_APP\secondo\AI_UseScale_APP> npm test -- client/src/components/__tests__/BaseTemplat
esSection.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
Run 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`