Unit-Test faced issues

```
❯ cd ui-fundamentals
❯ npm run test

> ui-fundamentals@0.0.0 test
> jest

 FAIL  src/tests/Accordion.test.js
  ● Accordion component › renders with default props

    expect(received).toBe(expected) // Object.is equality

    Expected: true
    Received: false

      17 |     expect(wrapper.prop('defaultExpanded')).toBe(false);
      18 |     expect(wrapper.prop('disabled')).toBe(false);
    > 19 |     expect(wrapper.prop('gutters')).toBe(true);
         |                                     ^
      20 |     expect(wrapper.prop('color')).toBe('#f9f9f9');
      21 |   });
      22 |

      at Object.toBe (src/tests/Accordion.test.js:19:37)

  ● Accordion component › expands/collapses when clicked

    Method “simulate” is meant to be run on 1 node. 0 found instead.

      45 |
      46 |     // Simulate a click event on the accordion header
    > 47 |     accordionHeader.simulate('click');
         |                     ^
      48 |
      49 |     // After clicking, the accordion should expand
      50 |     expect(wrapper.find('.accordion-content').exists()).toBe(true);

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as simulate]
(node_modules/enzyme/src/ReactWrapper.js:665:17)
      at Object.simulate (src/tests/Accordion.test.js:47:21)

  ● Accordion component › does not expand/collapse when disabled

    ReactWrapper::state() can only be called on class components

      64 |     );
      65 |     // Check initial state
    > 66 |     expect(wrapper.state('isOpen')).toBe(false);
         |                    ^
      67 |
      68 |     // Simulate click
      69 |     wrapper.find('AccordionHeader').simulate('click');

      at ReactWrapper.state (node_modules/enzyme/src/ReactWrapper.js:725:13)
      at Object.state (src/tests/Accordion.test.js:66:20)

  ● Accordion component › renders title and subtitle correctly

    Method “text” is meant to be run on 1 node. 0 found instead.

      78 |     );
      79 |     expect(wrapper.find('b').text()).toBe('Accordion Title');
    > 80 |     expect(wrapper.find('Subtitle').text()).toBe('Subtitle');
         |                                     ^
      81 |   });
      82 |
      83 |   it('renders content when expanded', () => {

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as text]
(node_modules/enzyme/src/ReactWrapper.js:629:17)
      at Object.text (src/tests/Accordion.test.js:80:37)

  ● Accordion component › renders content when expanded

    expect(received).toBe(expected) // Object.is equality

    Expected: true
    Received: false

      87 |
      88 |     );
    > 89 |     expect(wrapper.find('AccordionContent').exists()).toBe(true);
         |                                                       ^
      90 |     expect(wrapper.find('AccordionContent').text()).toBe('Accordion
Content');
      91 |   });
      92 |

      at Object.toBe (src/tests/Accordion.test.js:89:55)

 FAIL  src/tests/DataGrid.test.js
  ● DataGrid component › displays correct number of rows and columns

    expect(received).toHaveLength(expected)

    Expected length: 2
    Received length: 0
    Received object: {}

      21 |     const wrapper = mount( columns={columns} rows={rows} />);
      22 |     const tableRows = wrapper.find('TableRow');
    > 23 |     expect(tableRows).toHaveLength(rows.length); // Number of rows
         |                       ^
      24 |     expect(tableRows.find('TableCell')).toHaveLength(columns.length); //
Number of columns
```

```
      25 |   });
      26 |

      at Object.toHaveLength (src/tests/DataGrid.test.js:23:23)

  ● DataGrid component › toggles editing mode when edit button is clicked

    Method “simulate” is meant to be run on 1 node. 2 found instead.

      30 |     // const editButton = wrapper.find('Button').find('ButtonIcon').at(1);
// Assuming ButtonIcon is the correct
selector for the edit button
      31 |     const editButton = wrapper.find('ButtonIcon'); // Assuming ButtonIcon
is the correct selector for the edit bu
tton
    > 32 |     editButton.simulate('click');
         |                ^
      33 |     expect(wrapper.state('isEditing')).toEqual(true);
      34 |   });
      35 |

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as simulate]
(node_modules/enzyme/src/ReactWrapper.js:665:17)
      at Object.simulate (src/tests/DataGrid.test.js:32:16)

  ● DataGrid component › disables FileUpload when columns are empty

    expect(received).toEqual(expected) // deep equality

    Expected: true
    Received: false

      37 |     const wrapper = mount( columns={[]} rows={[]} />);
      38 |     const fileUpload = wrapper.find('FileUpload');
    > 39 |     expect(fileUpload.prop('disabled')).toEqual(true);
         |                                         ^
      40 |   });
      41 |
      42 |   // Add more tests as needed

      at Object.toEqual (src/tests/DataGrid.test.js:39:41)

 FAIL  src/tests/Navbar.test.js
  ● Navbar component › renders with default background color if not provided

    Method “props” is meant to be run on 1 node. 0 found instead.

       9 |
      10 |     // Default background color should be var(--color-grey-100)
    > 11 |     expect(navbarContainer.prop('backgroundColor')).toBe('var(--color-
grey-100)');
         |                            ^
      12 |   });
      13 |
      14 |   it('renders with provided background color', () => {

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as props]
(node_modules/enzyme/src/ReactWrapper.js:710:17)
      at ReactWrapper.props [as prop]
(node_modules/enzyme/src/ReactWrapper.js:827:17)
      at Object.prop (src/tests/Navbar.test.js:11:28)

  ● Navbar component › renders with provided background color

    Method “props” is meant to be run on 1 node. 0 found instead.

      18 |
      19 |     // Background color should match the provided color
    > 20 |     expect(navbarContainer.prop('bg')).toBe(backgroundColor);
         |                            ^
      21 |   });
      22 |
      23 |   it('renders logo and title if provided', () => {

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as props]
(node_modules/enzyme/src/ReactWrapper.js:710:17)
      at ReactWrapper.props [as prop]
(node_modules/enzyme/src/ReactWrapper.js:827:17)
      at Object.prop (src/tests/Navbar.test.js:20:28)

  ● Navbar component › renders logo and title if provided

    expect(received).toBe(expected) // Object.is equality

    Expected: true
    Received: false

      34 |
      35 |     // Logo and title should be rendered
    > 36 |     expect(brandImage.exists()).toBe(true);
         |                                 ^
      37 |     expect(brandText.exists()).toBe(true);
      38 |     expect(brandImage.prop('src')).toBe(logo);
      39 |     expect(brandText.text()).toBe(title);

      at Object.toBe (src/tests/Navbar.test.js:36:33)

 FAIL  src/tests/AppGridContainer.test.js
  ● AppGridContainer component › renders children correctly

    expect(received).toBe(expected) // Object.is equality

    Expected: 3
    Received: 4

      22 |     const wrapper = mount({children});
      23 |
    > 24 |     expect(wrapper.find('div').length).toBe(childCount); // Assuming
children are div elements
         |                                        ^
      25 |   });
      26 |
      27 |   it('applies grid layout styles correctly', () => {

      at Object.toBe (src/tests/AppGridContainer.test.js:24:40)

  ● AppGridContainer component › applies grid layout styles correctly

    Method “props” is meant to be run on 1 node. 0 found instead.

      30 |
      31 |     const gridContainer = wrapper.find('GridContainer');
    > 32 |     expect(gridContainer.prop('minWidth')).toBe(width);
         |                          ^
      33 |     expect(gridContainer).toHaveStyleRule('grid-template-columns',
`repeat(auto-fill, minmax(${width}, 1fr))`);
      34 |
      35 |     // Simulate smaller screen size

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as props]
(node_modules/enzyme/src/ReactWrapper.js:710:17)
      at ReactWrapper.props [as prop]
(node_modules/enzyme/src/ReactWrapper.js:827:17)
      at Object.prop (src/tests/AppGridContainer.test.js:32:26)

 FAIL  src/tests/Table.test.js
  ● Console

    console.error
      Warning: validateDOMNesting(...): Text nodes cannot appear as a child of .
          at tr
          at displayName (~/React/ui-fundamentals/node_modules/styled-
components/src/models/StyledCo
mponent.ts:266:26)
          at tbody
          at table
          at WrapperComponent (~/React/ui-fundamentals/node_modules/@cfaester/enzyme-
adapter-react-1
8/dist/enzyme-adapter-utils/createMountWrapper.js:47:13)

      45 |
      46 |   it('renders TableRow correctly', () => {
    > 47 |     const wrapper = mount(Row


);
         |                          ^
      48 |     const tableRow = wrapper.find(TableRow);
      49 |     expect(tableRow.exists()).toBe(true);
      50 |     expect(tableRow.text()).toBe('Row');

      at printWarning (node_modules/react-dom/cjs/react-dom.development.js:86:30)
      at error (node_modules/react-dom/cjs/react-dom.development.js:60:7)
      at validateDOMNesting (node_modules/react-dom/cjs/react-
dom.development.js:10847:7)
      at createInstance (node_modules/react-dom/cjs/react-dom.development.js:10935:7)
      at completeWork (node_modules/react-dom/cjs/react-dom.development.js:22187:28)
      at completeUnitOfWork (node_modules/react-dom/cjs/react-
dom.development.js:26593:16)
      at performUnitOfWork (node_modules/react-dom/cjs/react-
dom.development.js:26568:5)
      at workLoopSync (node_modules/react-dom/cjs/react-dom.development.js:26466:5)
      at renderRootSync (node_modules/react-dom/cjs/react-dom.development.js:26434:7)
      at performConcurrentWorkOnRoot (node_modules/react-dom/cjs/react-
dom.development.js:25738:74)
      at flushActQueue (node_modules/react/cjs/react.development.js:2667:24)
      at act (node_modules/react/cjs/react.development.js:2582:11)
      at Object.render (node_modules/@cfaester/enzyme-adapter-react-
18/dist/ReactEighteenAdapter.js:351:24)
      at new render (node_modules/enzyme/src/ReactWrapper.js:115:16)
      at mount (node_modules/enzyme/src/mount.js:10:10)
      at Object. (src/tests/Table.test.js:47:26)

  ● Table component › renders TableBody correctly

    Method “text” is meant to be run on 1 node. 0 found instead.

      41 |     const tableBody = wrapper.find(TableBody);
      42 |     expect(tableBody.exists()).toBe(true);
    > 43 |     expect(tableBody.find(TableRow).text()).toBe('Body');
         |                                     ^
      44 |   });
      45 |
      46 |   it('renders TableRow correctly', () => {

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as text]
(node_modules/enzyme/src/ReactWrapper.js:629:17)
      at Object.text (src/tests/Table.test.js:43:37)

  ● Table component › applies styles correctly

    TypeError: expect(...).toHaveStyleRule is not a function

      54 |     const wrapper = mount( />);
      55 |     const table = wrapper.find('table');
    > 56 |     expect(table).toHaveStyleRule('width', '100%');
         |                   ^
      57 |     expect(table).toHaveStyleRule('border-collapse', 'collapse');
      58 |     expect(table).toHaveStyleRule('overflow', 'scroll');
      59 |     expect(table).toHaveStyleRule('text-overflow', 'ellipsis');

      at Object.toHaveStyleRule (src/tests/Table.test.js:56:19)

 FAIL  src/tests/ButtonIcon.test.js
  ● ButtonIcon component › renders with default size and fill color if props are not
provided
```

```
    Method “props” is meant to be run on 1 node. 0 found instead.

       9 |
      10 |     // Default size is 'md'
    > 11 |     expect(buttonIcon.prop('size')).toBe('md');
         |                       ^
      12 |     // Default fill color is 'darkGrey'
      13 |     expect(buttonIcon.prop('color').toBe('darkGrey'));
      14 |   });

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as props]
(node_modules/enzyme/src/ReactWrapper.js:710:17)
      at ReactWrapper.props [as prop]
(node_modules/enzyme/src/ReactWrapper.js:827:17)
      at Object.prop (src/tests/ButtonIcon.test.js:11:23)

  ● ButtonIcon component › renders with specified size and fill color

    Method “props” is meant to be run on 1 node. 0 found instead.

      24 |     const buttonIcon = wrapper.find('StyledButtonIcon');
      25 |
    > 26 |     expect(buttonIcon.prop('size')).toBe(size);
         |                       ^
      27 |     expect(buttonIcon.prop('styles').color).toBe(color);
      28 |   });
      29 |

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as props]
(node_modules/enzyme/src/ReactWrapper.js:710:17)
      at ReactWrapper.props [as prop]
(node_modules/enzyme/src/ReactWrapper.js:827:17)
      at Object.prop (src/tests/ButtonIcon.test.js:26:23)

 FAIL  src/tests/FileUpload.test.js
  ● Console

    console.log
      LargeBlob size: 2048

      at Object.log (src/tests/FileUpload.test.js:40:13)

    console.error
      Warning: Failed prop type: The prop `onChange` is marked as required in
`FileUpload`, but its value is `undefined`.
          at accept (~/React/ui-fundamentals/src/components/FileUpload.jsx:90:23)

      52 |
      53 |   it('disables input when disabled prop is true', () => {
    > 54 |     const wrapper = mount( disabled />);
         |                           ^
      55 |     const input = wrapper.find('input[type="file"]');
      56 |
      57 |     expect(input.prop('disabled')).toBe(true);

      at console. (node_modules/jest-mock/build/index.js:794:25)
      at printWarning (node_modules/react/cjs/react.development.js:209:30)
      at error (node_modules/react/cjs/react.development.js:183:7)
      at checkPropTypes (node_modules/react/cjs/react.development.js:2074:11)
      at validatePropTypes (node_modules/react/cjs/react.development.js:2275:7)
      at Object.createElementWithValidation [as createElement]
(node_modules/react/cjs/react.development.js:2379:5)
      at Object.createElement (src/tests/FileUpload.test.js:54:27)

  ● FileUpload component › validates file size

    expect(jest.fn()).not.toHaveBeenCalled()

    Expected number of calls: 0
    Received number of calls: 1

    1: {}

      44 |
      45 |     // Todo: Ensure onChange is not called
    > 46 |     expect(mockOnChange).not.toHaveBeenCalled();
         |                              ^
      47 |
      48 |     // Ensure error message is logged to the console
      49 |     expect(consoleErrorSpy).toHaveBeenCalledWith('File size exceeds the
maximum allowed size.');

      at Object.toHaveBeenCalled (src/tests/FileUpload.test.js:46:30)

 FAIL  src/tests/Select.test.js
  ● Select component › toggles dropdown when clicked

    expect(received).toBe(expected) // Object.is equality

    Expected: "option1"
    Received: undefined

      24 |   it('toggles dropdown when clicked', () => {
      25 |     const wrapper = mount( options={options} />);
    > 26 |     expect(wrapper.find('select').prop('value')).toBe(options[0].value);
// Initial selected value
         |                                                  ^
      27 |
      28 |     // Simulate click to open dropdown
      29 |     wrapper.find('select').simulate('click');

      at Object.toBe (src/tests/Select.test.js:26:50)

 FAIL  src/tests/Spinner.test.js
  ● Spinner component › applies animation correctly

    Method “instance” is meant to be run on 1 node. 0 found instead.
```

```
      18 |
      19 |     const wrapper = mount( />);
    > 20 |     const spinner = wrapper.find('SpinnerWrapper').instance();
         |                                                    ^
      21 |
      22 |     expect(spinner.props.size).toBe(40); // Default size
      23 |     expect(spinner.props.color).toBeUndefined(); // Default color

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as instance]
(node_modules/enzyme/src/ReactWrapper.js:242:17)
      at Object.instance (src/tests/Spinner.test.js:20:52)

 FAIL  src/tests/ButtonsGroup.test.js
  ● ButtonsGroup component › applies additional props to the styled component

    Method “props” is meant to be run on 1 node. 0 found instead.

      37 |
      38 |     const styledComponent = wrapper.find('StyledButtonGroup');
    > 39 |     expect(styledComponent.prop('gap')).toBe(gap);
         |                            ^
      40 |     expect(styledComponent.prop('margin')).toBe(margin);
      41 |   });
      42 | });

      at ReactWrapper.single (node_modules/enzyme/src/ReactWrapper.js:1168:13)
      at ReactWrapper.single [as props]
(node_modules/enzyme/src/ReactWrapper.js:710:17)
      at ReactWrapper.props [as prop]
(node_modules/enzyme/src/ReactWrapper.js:827:17)
      at Object.prop (src/tests/ButtonsGroup.test.js:39:28)

 PASS  src/tests/DarkModeToggle.test.js
 PASS  src/tests/Card.test.js
 PASS  src/tests/Button.test.js
 › 1 snapshot obsolete.
   • Button component renders with default props 1
 PASS  src/tests/Typography.test.js

Snapshot Summary
 › 1 snapshot obsolete from 1 test suite. To remove it, run `npm test -- -u`.
   ↳ src/tests/Button.test.js
       • Button component renders with default props 1

Test Suites: 10 failed, 4 passed, 14 total
Tests:       21 failed, 38 passed, 59 total
Snapshots:   1 obsolete, 5 passed, 5 total
Time:        7.292 s, estimated 8 s
Ran all test suites.

❯
```