Bug Report

Bug1

Description: Overly long usernames or formulas overflow cell

Repo step: To reproduce this bug (which is now fixed), you can use a username longer than 50 characters, or use any username to login and type a formula with more than 30 characters.

Fix step: To fix this bug, we introduce a scrollable div and maximum length limitation.

1. In Formula.css, we allow styles overflow and whitespace:

```
overflow-x: auto;
white-space: nowrap;
```

If the formula is too long to display, the scrollable window is activated, avoiding overflow.

2. In SheetComponent.tsx, we limit the length of cell values and the name of the editor.

```
function getCellValue(cell: string) {
  // split on | return the first part
  let cellForShort = cell.split("|")[0];
  if (cellForShort.length >= 10) {
    cellForShort = cellForShort.substring(0, 10);
  }
  return cellForShort;
}
function getCellEditor(cell: string) {
  // split on | return the second part
  let editorForShort = cell.split("|")[1];
  if (editorForShort.length >= 15) {
    editorForShort = editorForShort.substring(0, 15) + '...';
  }
  return editorForShort;
```
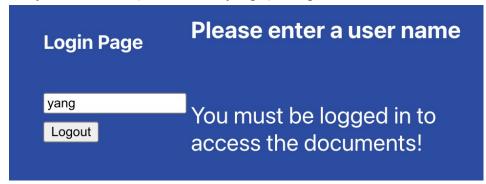
Test List: We test the issue of formula overflow by implementing unitTest **FormulaBug.test.ts**, and test the overflow of cells through **Overflow.test.ts**.

Bug2

Description: There is a bug that hasn't been fixed yet where user names can be changed after login. But only the original name of the user is identified as the current user.

Repo step: To reproduce this bug, you can act as following:

Use your username (in this case, "yang") to login:

In the next page, I can change "yang" to any other name:

However, only the original name is identified.

Bug3

Description: There is a bug that hasn't been fixed yet where editing user logout the editing page will leave its name on the cell, prohibiting other users editing this same cell.

Repo step: To reproduce this bug, you can act as following:

Use any username (in this case, "Jerry") to login and edit one cell

Log out this page while keep the status of cell in editing

Use a different name to login and try to edit the same cell. It reports an alert while jerry is logged out.