

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:

The screenshot shows a blue login page with the title "Please enter a user name". On the left, there is a text input field containing "yang" and a "Logout" button below it. On the right, a message reads "You must be logged in to access the documents!".

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

The screenshot shows the same blue login page, but now with a list of documents on the right side. The documents are labeled "test17", "test18", "test19", "test2", and "test3.55", each with an "Edit" button next to it. The text input field on the left now contains "li".

However, only the original name is identified.

The screenshot shows a table with two columns, A and B. Row 1 has a blue cell in column A containing "yang" and "2890". Row 2 has empty cells in both columns A and B.

	A	B
1	yang 2890	
2		

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

	A	B
1	Tom #ERR	Jerry 7.87489658552
2		

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.

Cell is being edited by Jerry

OK

Formula:

Result:

7.874896585526354e+26

	A	B
1	Tom #ERR	Jerry 7.874896585526354e+26
2		888