

ReactJS | Node.js Developer

Evaluation Task

ReactJS Task:

Create a Spreadsheet component from scratch which will take data input in JSON format and map it to a spread sheet.

TEXT	NUMBER 1	NUMBER 2	SUM	DROPDOWN	+
Col 1	1	5	6	1 ▼	
Col 1	2	4	6	2 ▼	
Col 1	3	3	6	3 ▼	
Col 1	4	2	6	2 ▼	
Col 1	5	1	6	1 ▼	
+					

Specifications:

Spreadsheet component must have the following traits:

- Component should be able to take input in form of JSON object.
- Component should be able to map and render the input to a spreadsheet.
- Cells of the spreadsheet must be editable and updatable including column headers.
- Component should support addition of new columns.
- Component should support addition of new rows.
- Cell types: text, number, select box, sum (add two number columns).

Instructions:

- Using Redux is a must.
- Please do not use any external libraries.
- Do not focus too much on UI/UX.

Node.js Task:

Create a token based API server using Node.js and Express. Use a document based database, preferably MongoDB.

Specifications:

API server must have:

- Authentication endpoints.
- Token based authentication.
- Basic CRUD endpoints.