SOFTWARE ENGINEERING HW7 – gr485

Consider this as a replacement for HW-2

Description of the folder.

- The code is written in buildcsv.js
- The test cases are written in codespec.spec.js
- There are a total of 20 test cases written, and a brief outline of test cases is as follows.

Test Cases:
1. should reject non-csv files
2. should reject if file does not exist
3. should resolve with an array when a valid CSV file is read
4. should reject when the csv file is empty
5. should correctly parse a numeric cell
6. should correctly parse a formula cell with SUM
7. should correctly parse a formula cell with AVERAGE
8. should correctly parse a formula cell with MIN
9. should correctly parse a formula cell with MAX
10. should correctly parse a formula cell with MOD
11. should correctly parse a formula cell with POWER
12. should correctly parse a formula cell with COUNT
13. should correctly evaluate a simple equality condition
14. should correctly evaluate a less than condition
15. should correctly evaluate a greater than or equal condition
16. should correctly evaluate a not equal condition
17. should correctly evaluate an invalid formula format
18. should throw an error for invalid column references
19. should throw an error for incorrect range order
20. should return the correct result for a valid range

```
=COUNT(A1:D1)
Type of formula to evaluate
COUNT
COUNT [ 'A1', 'D1' ]
Evaluating the formuale and pushing it to the spreadsheet builder
.In builder
Mock data for each cell:
A1: 1
B1: 2
Received : =SUM(A1:A2)
=SUM(A1:A2)
Type of formula to evaluate
SUM
SUM [ 'A1', 'A2' ]
Evaluating the formuale and pushing it to the spreadsheet builder
.In builder
Received : =POWER(A1:B1)
=POWER(A1:B1)
Type of formula to evaluate
POWER
POWER [ 'A1', 'B1' ]
Evaluating the formuale and pushing it to the spreadsheet builder
.In builder
Received : =IF(A1<B1, true, false)
=IF(A1<B1, true, false)
inside condition func, calc =  IF
Matched
Cell 1: A1
Operator: <
Cell 2: B1
A B 1 1 0 1
true
true  true  false
 true
.In builder
Received : =IF(A1=B1, true, false)
=IF(A1=B1, true, false)
inside condition func, calc =  IF
Matched
Cell 1: A1
Operator: =
Cell 2: B1
A B 1 1 0 1
false
false  true  false
 false
.In builder
Received : 123
123
.In builder
Received : =MOD(A1:B1)
=MOD(A1:B1)
Type of formula to evaluate
MOD
MOD [ 'A1', 'B1' ]
Evaluating the formuale and pushing it to the spreadsheet builder
.In builder
Received : =IF(A1!=B1, true, false)
=IF(A1!=B1, true, false)
inside condition func, calc =  IF
Matched
Cell 1: A1
Operator: =
Cell 2: B1
A B 1 1 0 1
false
false  true  false
 false
.


20 specs, 0 failures
Finished in 0.011 seconds
Randomized with seed 69458 (jasmine --random=true --seed=69458)
```