# Checkpoint 1

The design is pretty much given in the assignment.

Main program creates a spreadsheet.

Spreadsheet creates all the cells.

Note that the array of cells must be both defined and initialized.

Chose to implement the row and column labels as Cells since to reuse the code to print and center.

Cell takes a value of type String for now.

Implement code for Cell.toString() -- String.Format() is more work than it’s worth.

Special cases for value too long (truncate), value to short (pad and center).

Test formatting different cases for Cell, even though the main program cannot use them yet.

# Checkpoint 2

To decide what type a cell should be, try them and throw parsing exceptions.

Make a table of the cases for mapping a cell name to the location in the array.

Don’t try to use format for Double. Just use Double.toString().

Decide one place to do all printing… Program, SpreadSheet, Cell?

Just save the initial value, or reconstruct it? Save the whole input string?

# Checkpoint 3

The Savable interface is not documented. It’s hard to figure out how it’s supposed to be used.

# Checkpoint 4

Should the formula respect the common order of operations?