

## SE 211 – Software Specification and Design II Winter 2023

### Assignment #2

Comma-separated values, or CSV, is widely-used format for representing tabular data. Each row of a table is a line of text; the fields on each line are separated by commas.

For example, the CSV representation of the table:

	Heading 1	Heading 2	Heading 3
Row 1	x1	y1	z1
Row 2	x2	y2	z2

is given by:

```
,Heading 1,Heading 2,Heading 3  
Row 1,x1,y1,z1  
Row 2,x2,y2,z2
```

Your assignment is to **design** and **implement** a library to handle CSV files. This library should be designed so that **it is worthy of general use**.

As part of this assignment, you need to come up with the specification of the requirements for the proposed library. These requirements should address issues related to the *format of the CSV file*, the *interface provided by the library*, and *error recovery*.

### What, When, and How to Submit

For this assignment please submit the following:

- A Requirements Specification document.
- The source code for the library.
- A UML class diagram.
- The source code for the *test application* you used to test the implementation of the library.
- A README file that lists any known issues with the implementation of the library.

Please submit **via Blackboard** a .zip file containing the required artifacts of your work, by Sunday, February 19, 2023, **11:59pm**.

There will be a 20-point deduction for each week of lateness.