DISPLAYDOUBLEVECTOR AND READCSVFILE USER DOCUMENTATION

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1. DisplayDoubleVector

1.1. **Description.** This function takes a double vector of any type, and outputs the contents as a grid in the terminal.

1.2. **Arguments.** The only argument taken by this function is a 2D vector.

1.3. **Output.** The contents of the vector is displayed as a grid in the terminal.

1.4. **Example.** Below is an example of how this function may be used.

```
//Double vector containing some data
vector<vector<string>> Data;

//Output data
DisplayDoubleVector(Data);
```

2. ReadCSVFile

2.1. **Description.** This class is designed to take in a CSV file, and store the data thereof in a 2D vector. The class contains only one method: "CSV2VEC", which is responsible for actually reading the CSV file and storing the data into a 2D vector.

2.2. **Arguments.** The only argument required is the path to the CSV file. This is passed to the constructor when an instance of the class is created. Since the object already knows the location of the CSV file, "CSV2VEC" requires no additional arguments.

2.3. **Output.** When the "CSV2VEC" method is called, the data from the CSV file is stored as a 2D vector by this function.

2.4. **Example.** Below is an example of how this function may be used.

```
//Create instance of ReadCSVFile
ReadCSV csv("Datafile.csv");

//Double vector for storing CSV Data
vector<vector<string>> stockData;

//Read CSV file, write data to 2D vector
stockData = csv.CSV2VEC();

//Output data
DisplayDoubleVector(stockData);
```

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