



Classroom Robot Documentation



Contents

Toe Chart	0
UML Diagram	2
Debugging Evidence.....	3

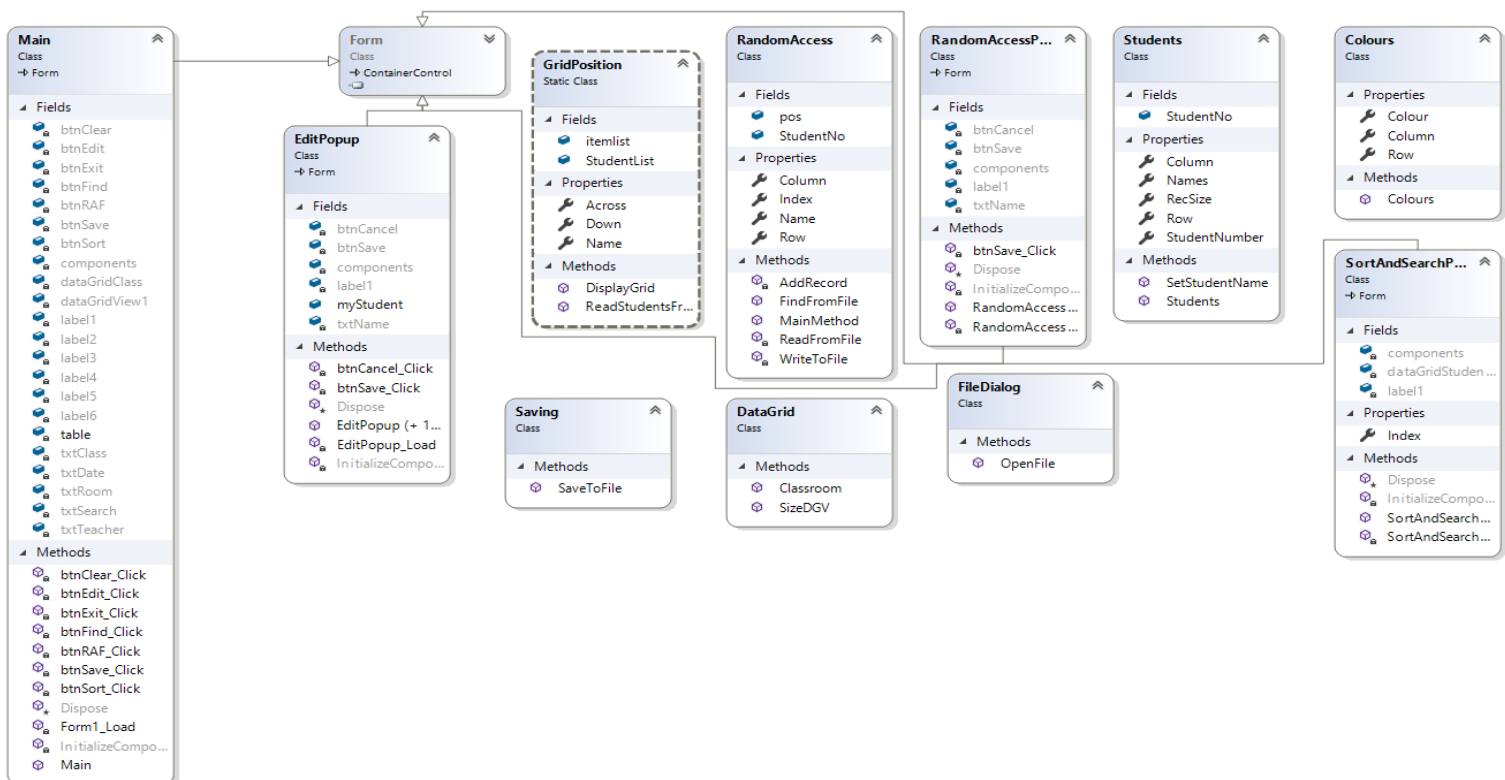
Toe Chart

Toe Chart listing the applications functions(tasks), the object used to finish the tasks, and the event involved.

Task	Object	Event
<u>Get/Set Students and Desks</u>		
Classroom layout selection	DialogResult	Form1.Load
classroom layout	gridViewClass	DialogResult.Any
Get and Set student variables	Students ArrayList	DialogResult.Any
Get and set Desk colour variables	Colours ArrayList	DialogResult.Any
<u>Save Students</u>		
Saves students on btnClick	btnSave	btnSaveClick
Take students from gridView	gridViewClass	btnSaveClick
Store taken students in new csv file	ArrayList	btnSaveClick
<u>Sort Students</u>		
Sort students	Students ArrayList	btnSort
Display sortedStudentForm	SortedPopup.Form	btnSort
Students ArrayList to DataTable	DataTable sortedList	btnSort
DataSource of grid = DataTable	gridViewStudentList	btnSort
<u>Search Student: Sort Students</u>		
Take text value from textbox	txtFind	btnSearch
Highlight the student that is == to txtFind	gridViewStudentList	btnSearch
<u>Clear Grid of students</u>		
Remove all student name values	DataTable.Clear()	btnClear
<u>Random Access File</u>		
Selected student on grid is written to txt file	gridViewClass & Students	btnRAF
Search RAF for a student ID	Students	btnRAF

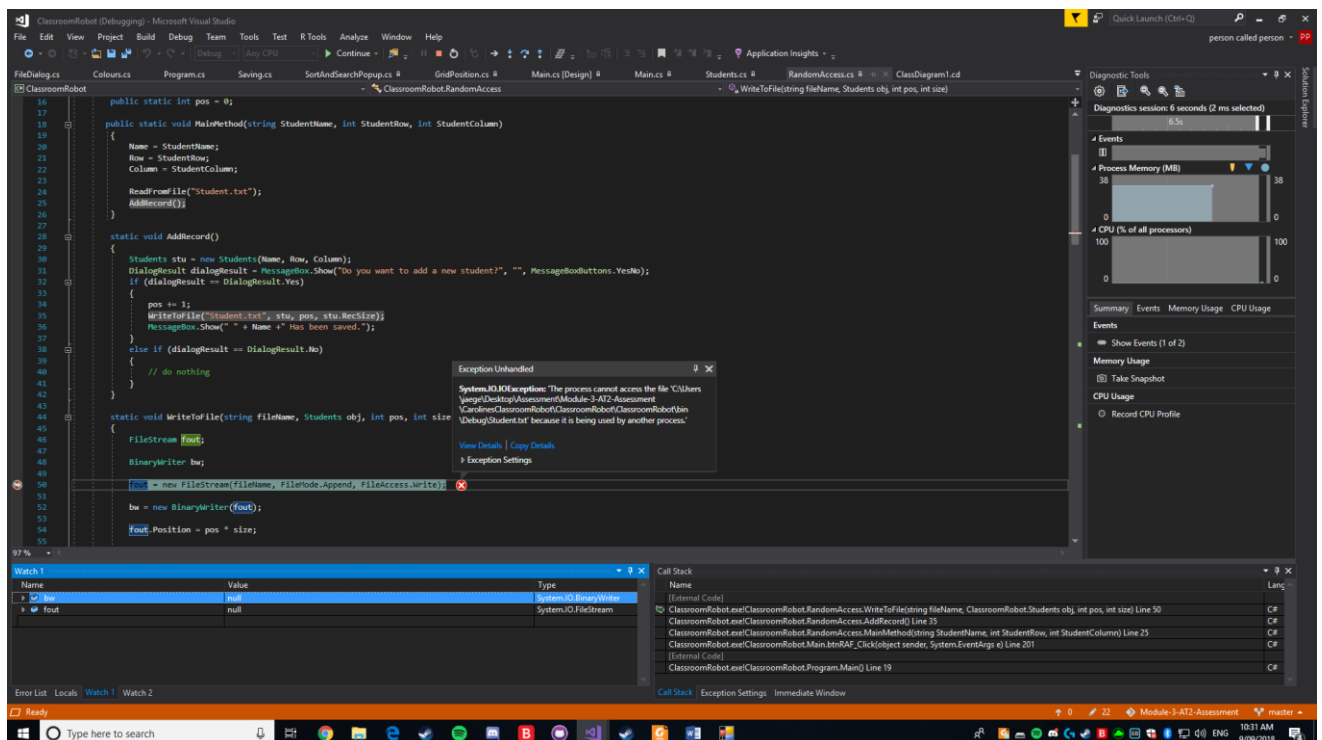
UML Diagram

Provided UML Class Diagram showing all classes, fields, properties and methods.

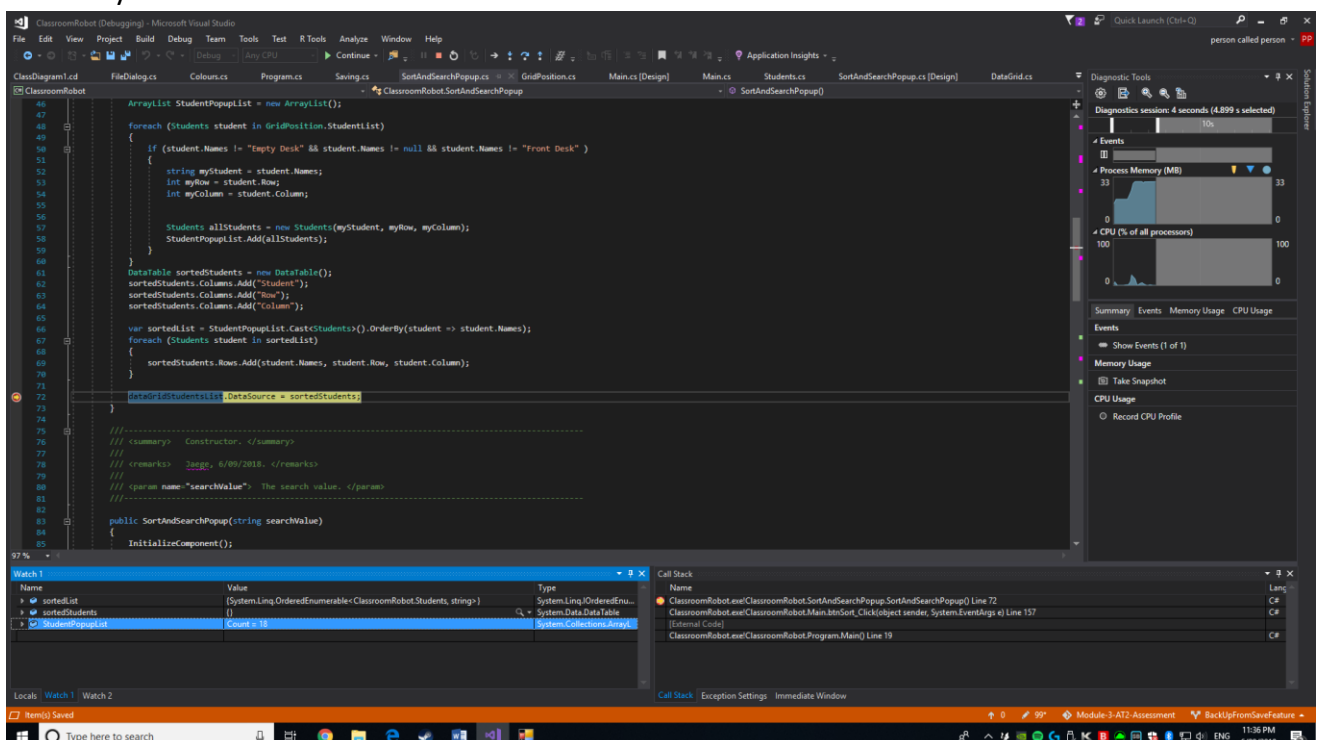


Debugging Evidence

Evidence of debugging



Handling exception, by placing watches and running through the code to determine where the fault lay.



Checking that the variable is receiving a value.