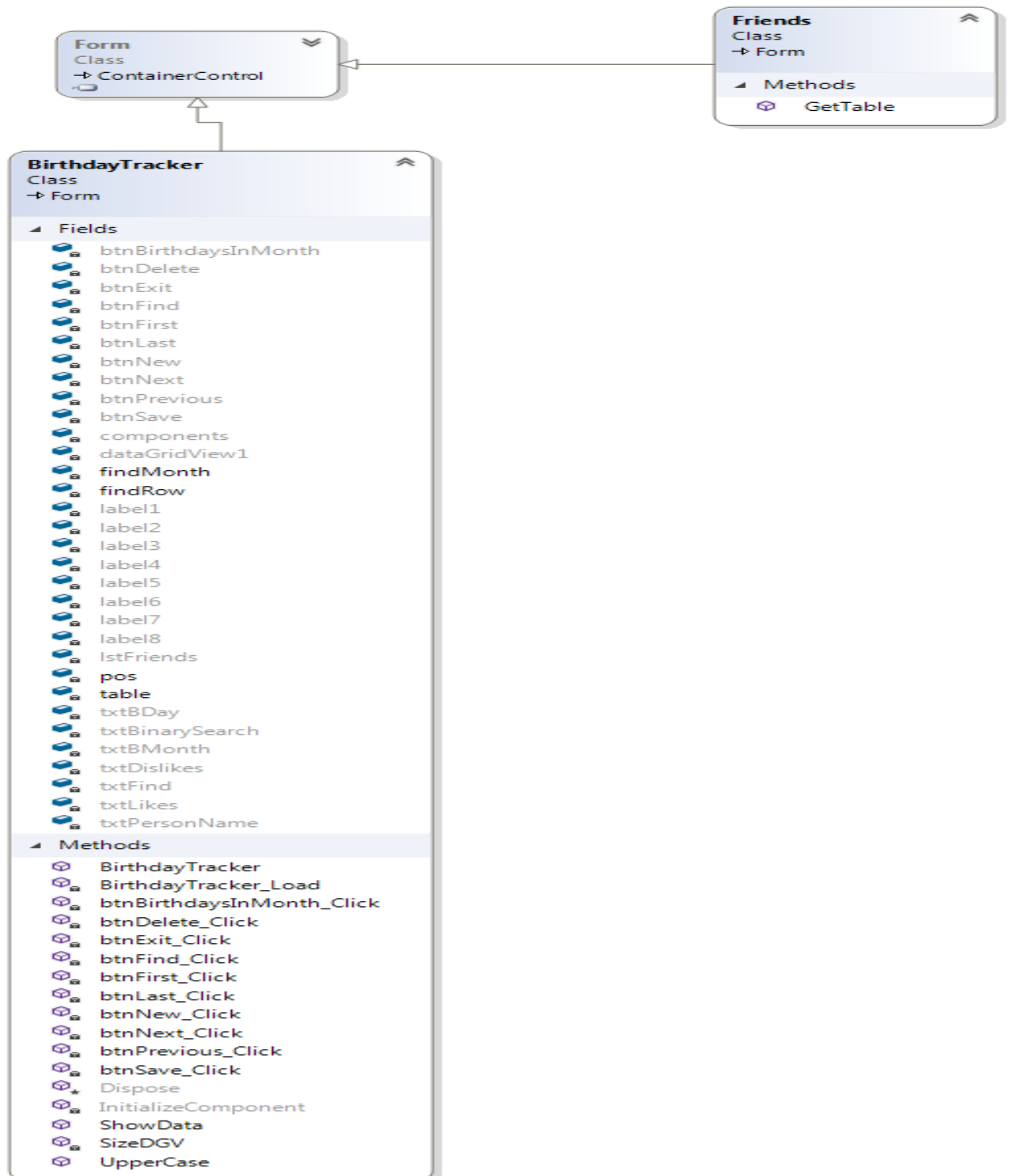# BIRTHDAY TRACKER DOCUMENTATION

Contents

Toe Chart

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

Task	Object	Event
Get/set friends information		
Persons name	txtPerson	
Persons likes	txtLikes	
Persons dislikes	txtDislikes	
Persons day of birth	txtBDay	
Persons month of Birth	txtBMonth	
Friend List	lstFriends	
Create new friend	btnNew	Click
Delete selected friend	btnDelete	Click
Save modifications	btnSave	Click
Navigate friends		
First friend	btnFirst	Click
Next friend	btnNext	Click
Previous friend	btnPrevious	Click
Last friend	btnLast	Click
Write friends to CSV	btnSave || btnExit	Click
Filter friends by name		
Search friend filter	txtSearch	
Search for friend with filter	btnSearch	Click
Filter friends by month of birth		
Search filter month	txtBinarySearch	
Search for friends with the filter	btnBinarySearch	Click
Terminate program	btnExit	Click

UML Diagram

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

Friends
Class
→ Form
▲ Methods
   ◎ GetTable

Form
Class
→ ContainerControl

BirthdayTracker
Class
→ Form

▲ Fields
   btnBirthdaysInMonth
   btnDelete
   btnExit
   btnFind
   btnFirst
   btnLast
   btnNew
   btnNext
   btnPrevious
   btnSave
   components
   dataGridView1
   findMonth
   findRow
   label1
   label2
   label3
   label4
   label5
   label6
   label7
   label8
   lstFriends
   pos
   table
   txtBDay
   txtBinarySearch
   txtBMonth
   txtDislikes
   txtFind
   txtLikes
   txtPersonName

▲ Methods
   BirthdayTracker
   BirthdayTracker_Load
   btnBirthdaysInMonth_Click
   btnDelete_Click
   btnExit_Click
   btnFind_Click
   btnFirst_Click
   btnLast_Click
   btnNew_Click
   btnNext_Click
   btnPrevious_Click
   btnSave_Click
   Dispose
   InitializeComponent
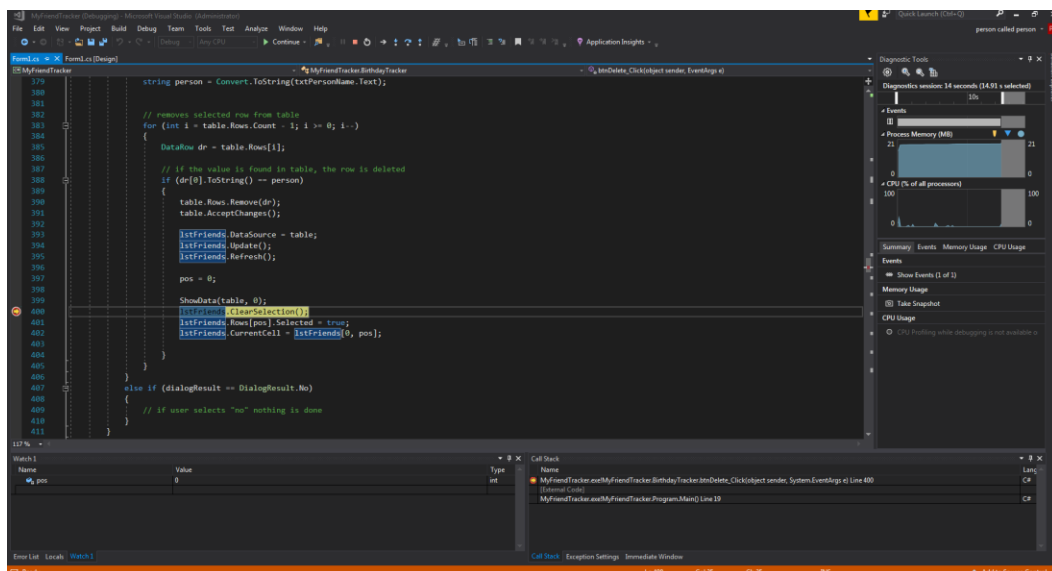   ShowData
   SizeDGV
   UpperCase

Debugging Evidence

Evidence of debugging
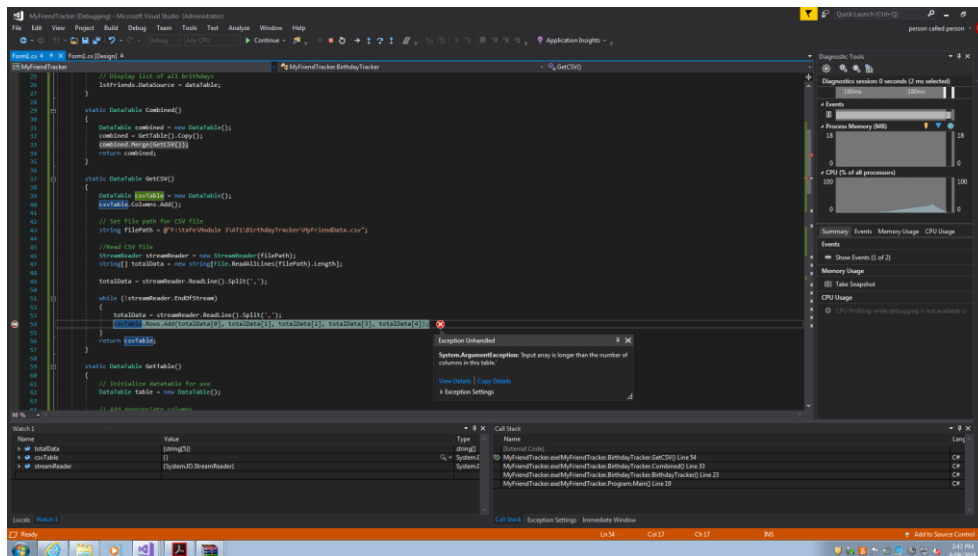
Handling exception, by placing watches and running through the code to determine where the fault lay. CSVTable should have 5 columns but the watches showed the columns were never initialised resulting in the exception.

Checking that the integer pos, which is the index tracker reverts to 0 with a watch