

# Sorter Project

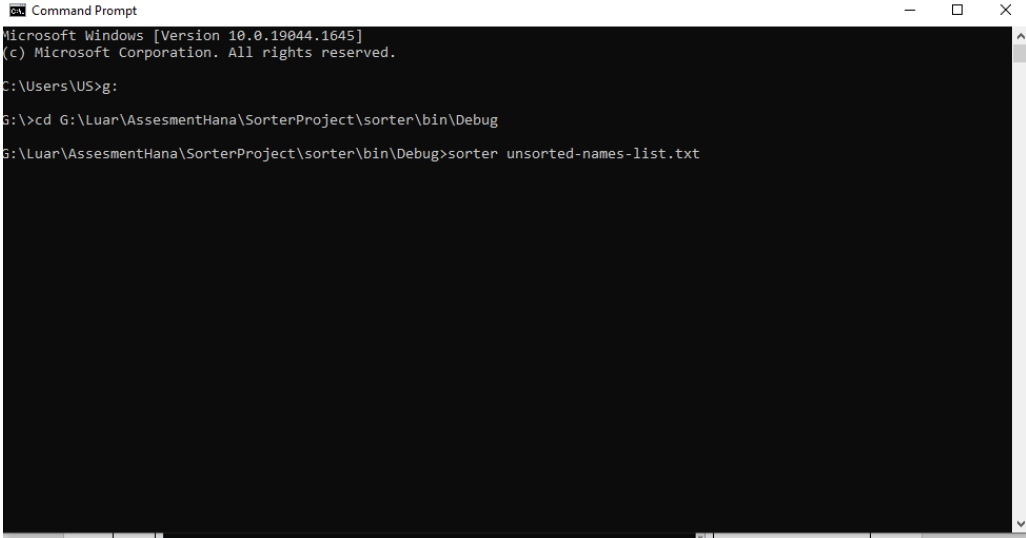
Uus Khusni

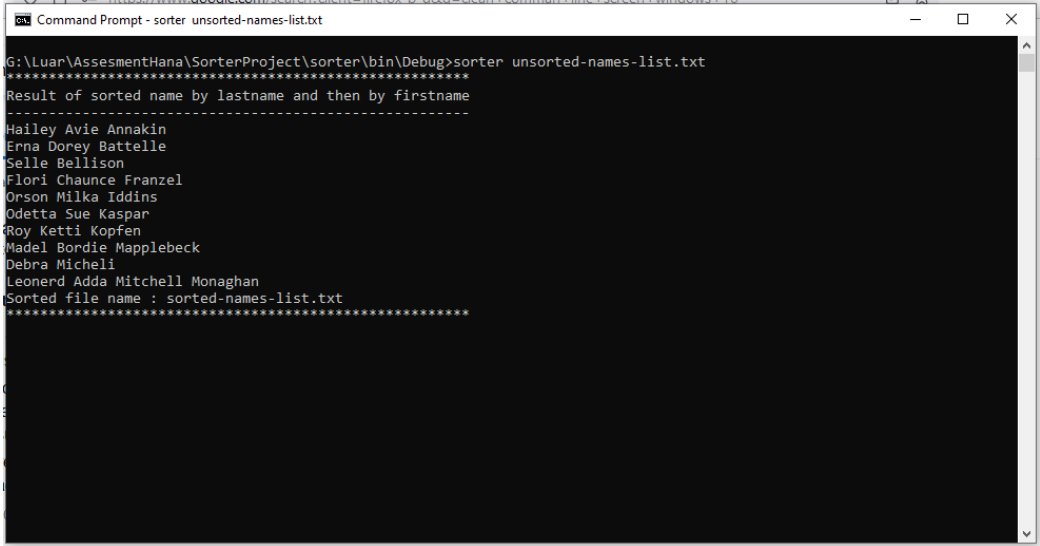
This application goal is to sort name by last name and then by first name ASC

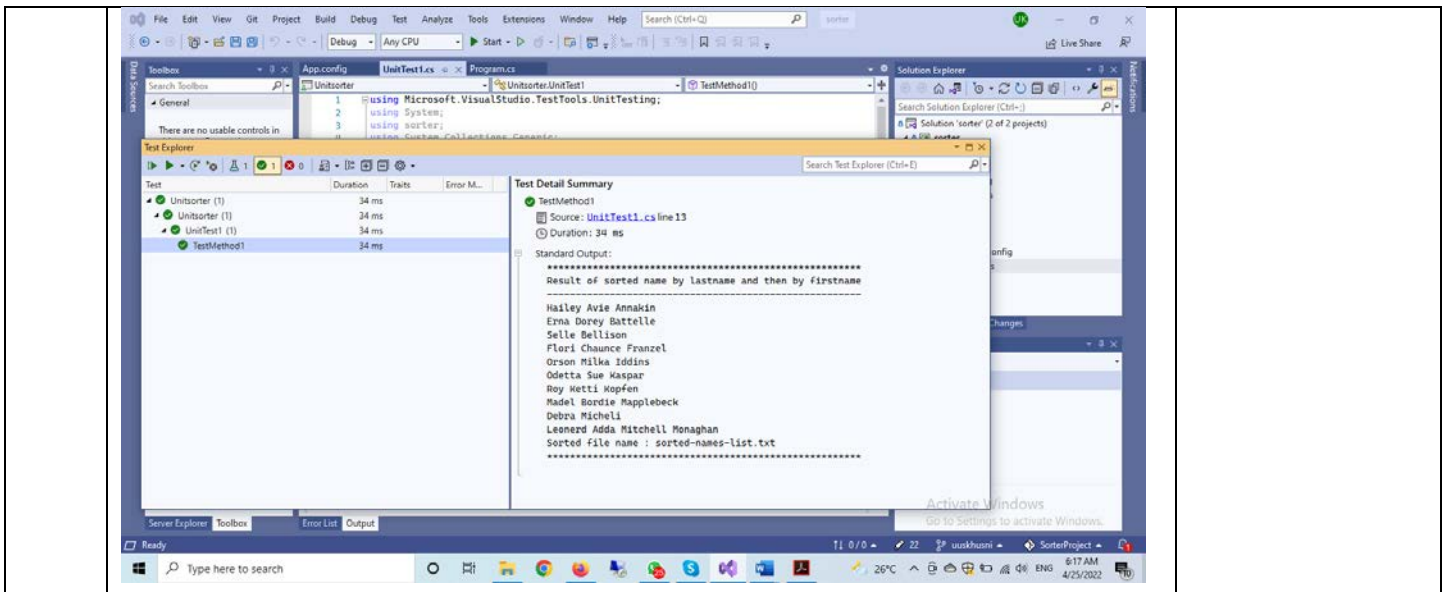
## Spesification

No	Section	Description
1.	Developer Tool	Visual Studio 2022 Community Edition
2.	Language	C#
3.	.Net Framework	4.7.2
4.	Type Application	Console Application Windows Platform
5.	Operating System	Windows 10, 64 Bit
6.	Goal	Sorting list of name from txt file sort by Last name and then by first name
7.	Output	Txt file contents with name already sorted and show on screen
8.	Created Date	23 April 2022
9.	Version	1.0
10.	Unit Testing	Include in Project
11.	Project Use	Assessment Project


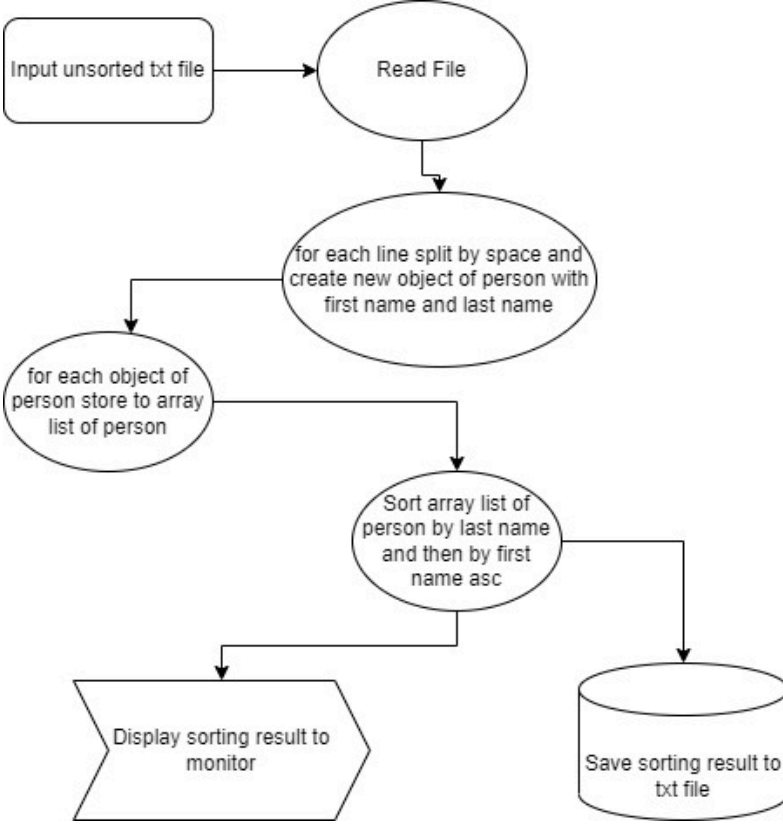
## Capture Application

No.	Section	Description
1.	<b>Capture input</b>  Content of input file : Orson Milka Iddins	Running application with input unsorted file in txt format

	<p>Erna Dorey Battelle</p> <p>Flori Chaunce Franzel</p> <p>Odetta Sue Kaspar</p> <p>Roy Ketti Kopfen</p> <p>Madel Bordie Mapplebeck</p> <p>Selle Bellison</p> <p>Leonerd Adda Mitchell Monaghan</p> <p>Debra Micheli</p> <p>Hailey Avie Annakin</p>	
2.	<p>Capture Output</p>  <p>Output sorted:</p> <p>Hailey Avie Annakin</p> <p>Erna Dorey Battelle</p> <p>Selle Bellison</p> <p>Flori Chaunce Franzel</p> <p>Orson Milka Iddins</p> <p>Odetta Sue Kaspar</p> <p>Roy Ketti Kopfen</p> <p>Madel Bordie Mapplebeck</p> <p>Debra Micheli</p> <p>Leonerd Adda Mitchell Monaghan</p>	<p>Output sorted list in sorted-names-list.txt</p>
3.	<p>Capture unit test</p>	<p>Running unit testing with input unsorted file in txt format</p>



## Data Flow Diagram(DFD)

No.	Section	Description
1.	Context Diagram 	Input txt file, process sorting, output txt file with sorted and also show in the screen.
2.	DFD Level 1 	<ol style="list-style-type: none"> <li>1. Read each line of file content unsorted name</li> <li>2. For each line split by space to get first name and last name</li> <li>3. Split result as input to class person which in first name and last name.</li> <li>4. Last split of array assign to last name and rest of split array assign to first name</li> <li>5. Sort process order by last name and then by first name</li> <li>6. Show result to screen</li> <li>7. Save result to txt file with name sorted-file.txt</li> </ol>