**Requirement Specification**

**Background**

This console app is built to help sorting a list of names based on the last name. The name that will be input in text file and just put one name in one line. The app will need to run in command prompt with passing the relative path for the text file as the argument. The sorting result will be show in the command prompt window and will export the result as text file named “sorted-names-list.txt”.

**Requirement**

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| --- | --- | --- | --- |
| **Feature** | **Description** | **Priority** | **Notes** |
| Read list name from text | -The list of names that will be sorted need to list in the text file and only one name in one line.  -The name (given name and last name) must have at least 1 given name and may have up to 3 given names | High |  |
| Sort the given list name | The list of names must be sorted by Last Name first then Given Name | High |  |
| Show result in window and export to text | -The sorted list of names must be show in command prompt window  -The sorted list of names must be exported to text file and will rewrite the existing exported text | High |  |
| Unit Test | -Have unit test to check the function in the app | High |  |
| Azure DevOps Pipeline | -Setup the Azure DevOps build pipeline along with the test step in the process | Medium | Awesome, but not essential criteria |

**Tech Tools:**

.Net Framework 4.8

MSTest

Git

**User Guide**

1. Go to the name-sorter.exe app
2. Open the text file in the directory and make sure the name that you sorted in there  
   Graphical user interface, application

   Description automatically generated
3. Open command prompt and go to the name-sorter.exe app directory
4. Execute this command to run this sorting app “name-sorter ./unsorted-names-list.txt”
5. The result will show in command prompt and there is the file contains the result in the directory.  
   Text

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   Graphical user interface, application

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