

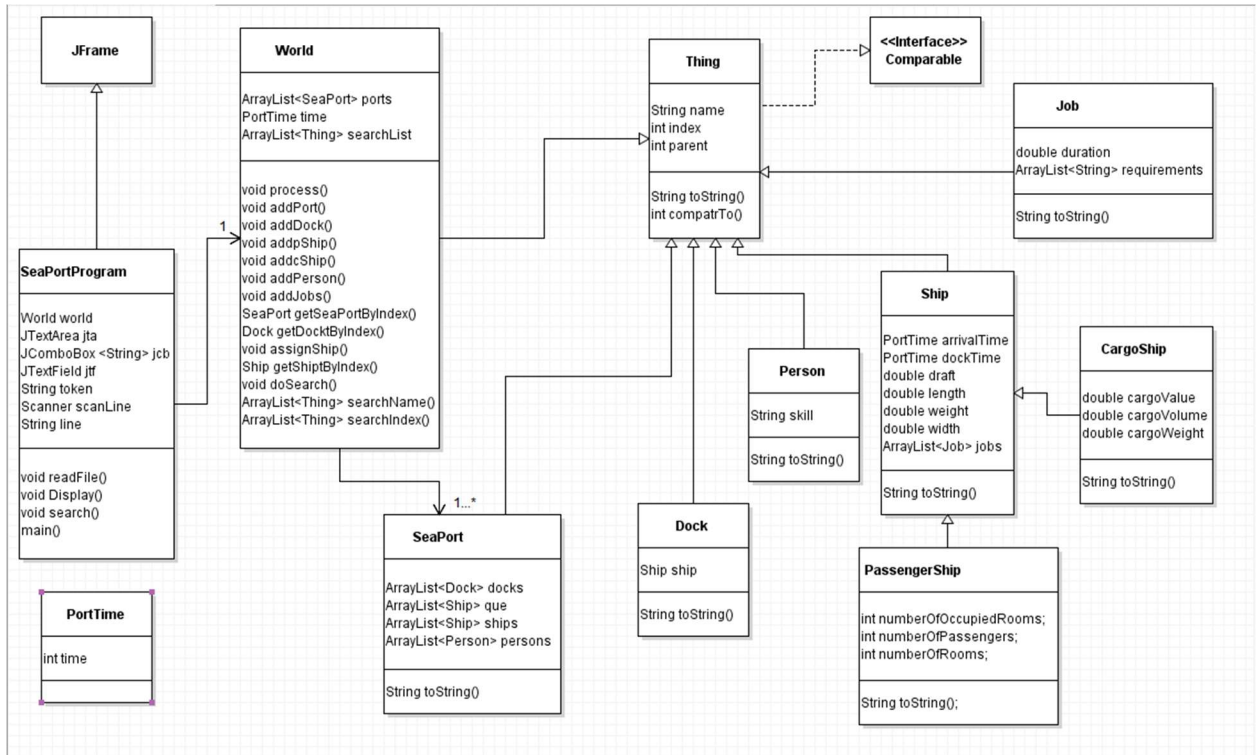
Project 1 Documentation

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Class: CMSC 335

- Design:



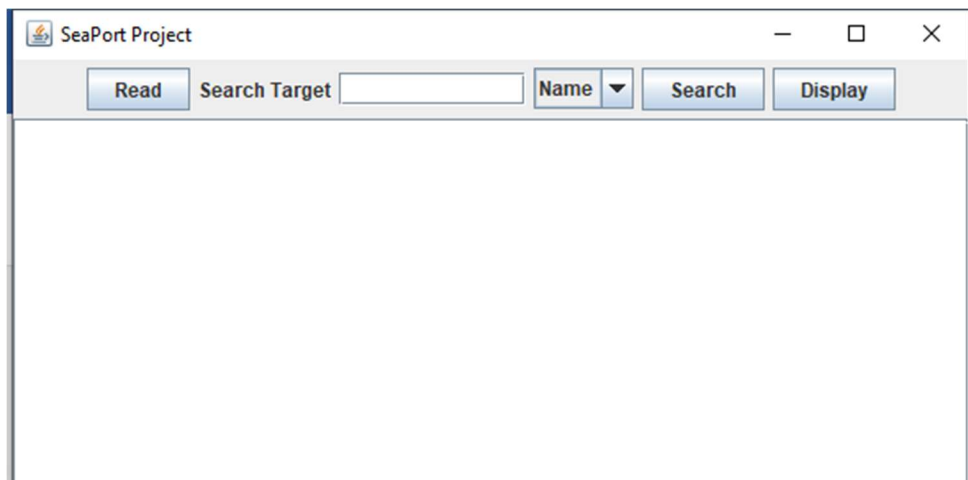
- User's guide:

To run the Project 1 users, need to open the SeaPortProgram.java in IDE like Eclipse.

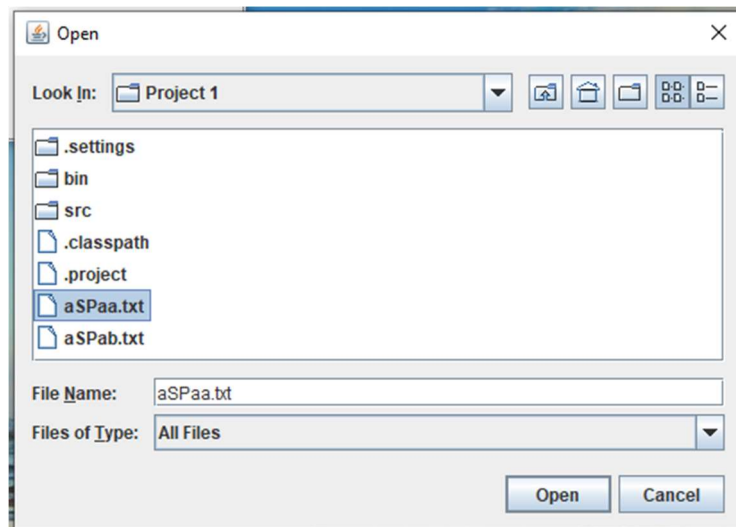
After opening the SeaPortProgram.java user need to press run to running the program.

Upon successful running of program, it will display the GUI screen like the image given

below,



To read the data file press the Read button and it will open a new window that allows user to choose file from their computer, like this image



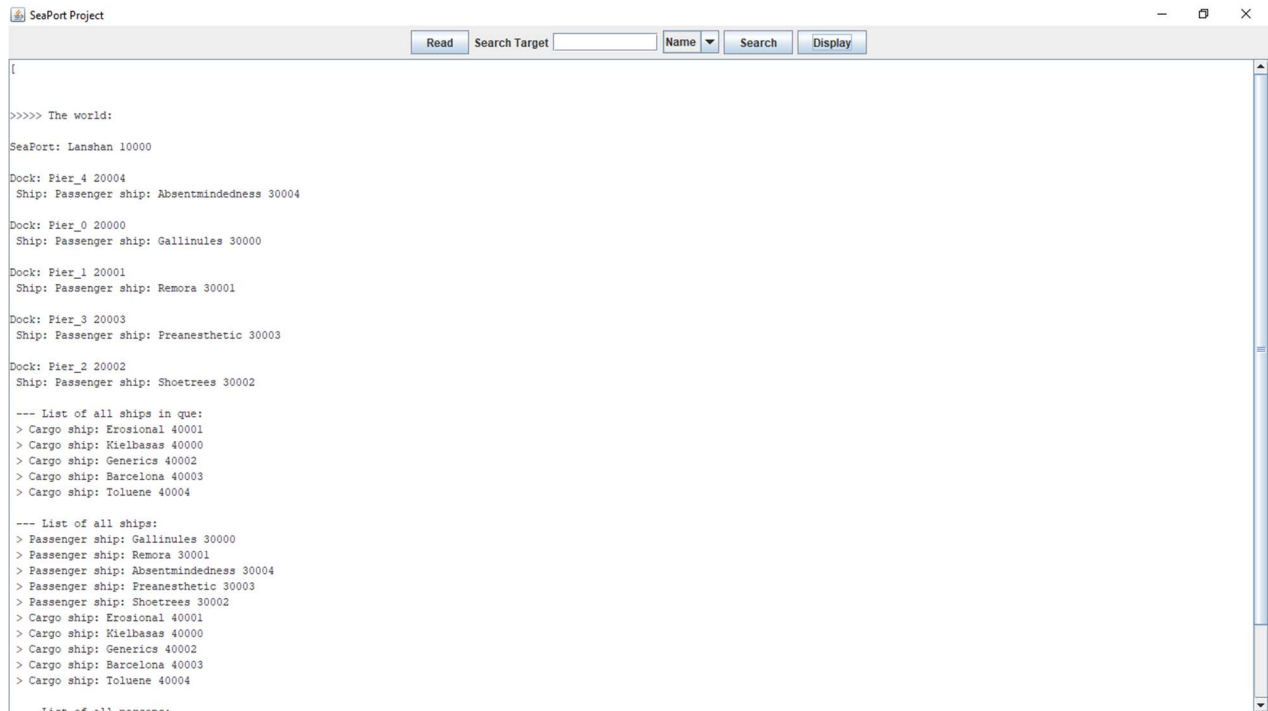
Choose the file that you want to read and press the open will read the all data from file.

Now to display the content of input file on GUI screen press the Display button. Pressing the Display would display all the data on GUI as shown in image below, we have chosen aSPaa.txt file here.



We can resize the window or scroll the scrollbar up or down to see the result.

Below is the image of maximize window.

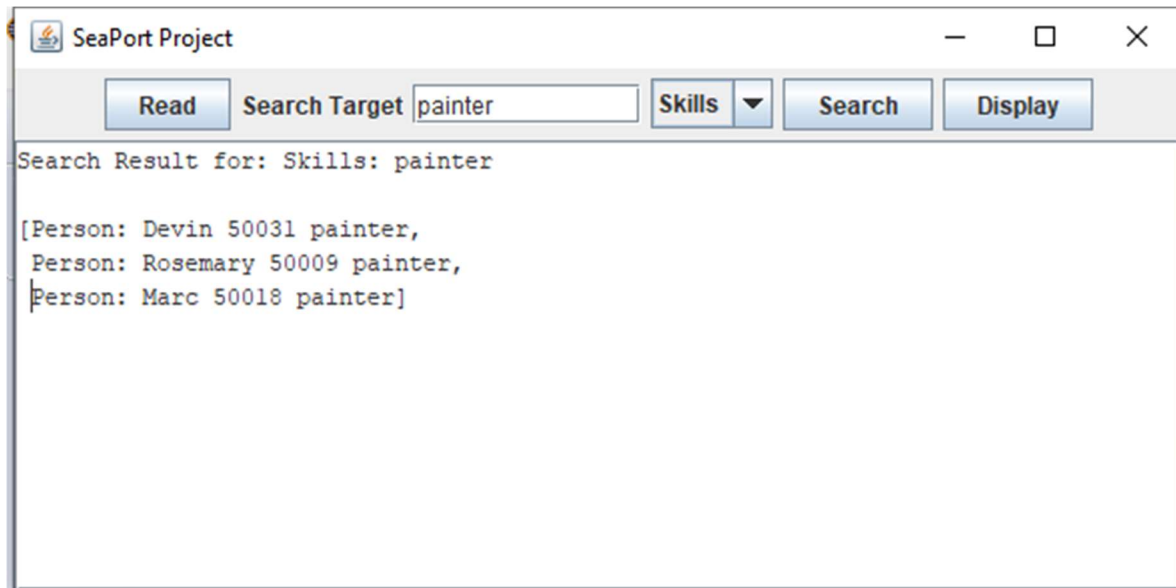


User can Search for any field by choosing a type from Combobox such as,Name, Index or Skill.

And then adding a text in Search Target textfield and press the Search button. For,example Search for a Name: Pier_1 will display the result shown below.



Another search example is Searching for a skill: painter will display all the person with painting skill as shown in image.



- Assumption:

Not Applicable

- Test Plan:

I have used 2 data files to test this program aSPaa.txt and aSPab.txt.

aSPaa.txt has only one port whereas, aSPab has more than one Seaport.

I have modified aSPab.txt file. I removed all the line that starts with Jobs since we are not implementing Job untill project 3 or 4. I have attched aSPab.txt file in submission that I used for testing this program.

Number	Test Scenario	Input	Pass/Fail
1	Searching for a Dock by index	Index: 20004	Pass
2	Searching for Passenger Ship by Name	Name: remora	Pass

3	Searching for something that does not exist.	Name : xyz	Pass
4	Searching for a person with skill stevedore	Skills: stevedore	Pass
5	Searching for a SeaPort by name	Name: Wuchun	Pass

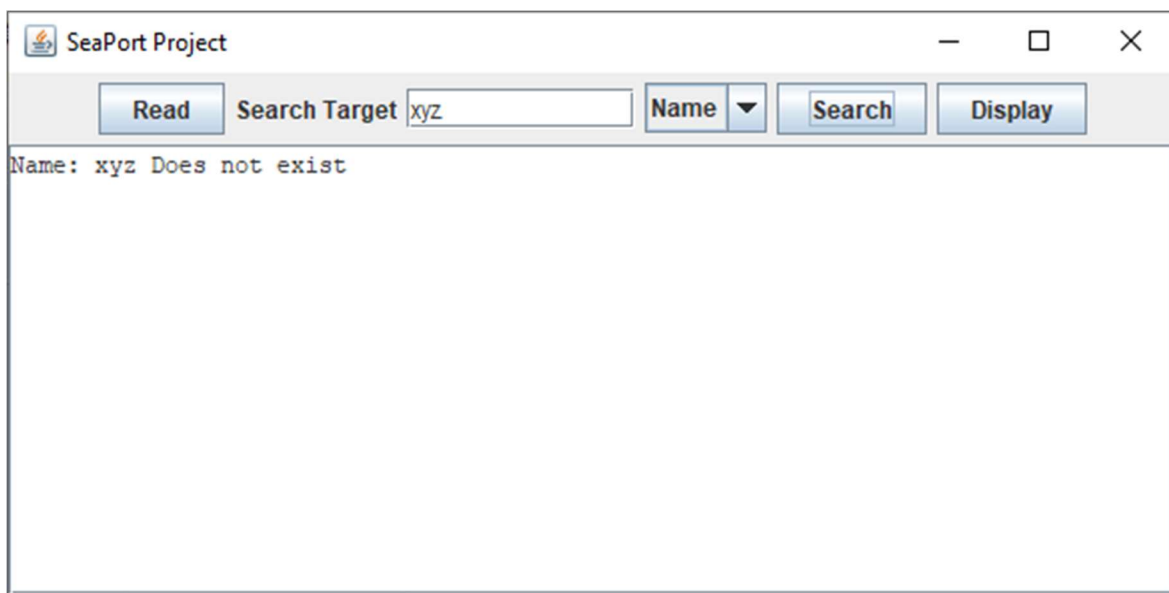
TestCase 1 Screen shot:



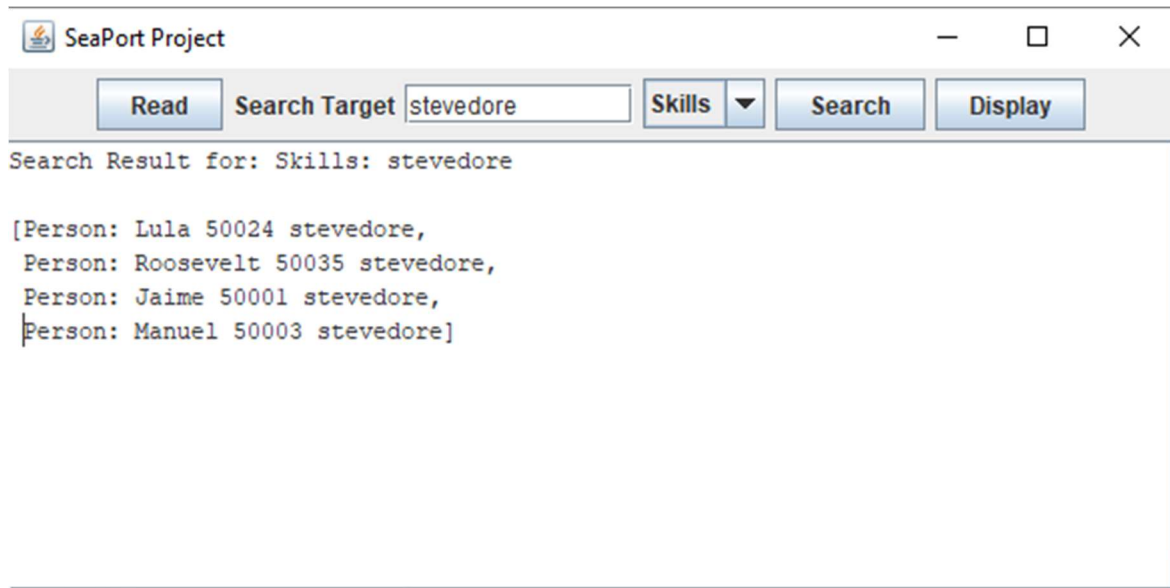
Test Case 2 Screenshot:



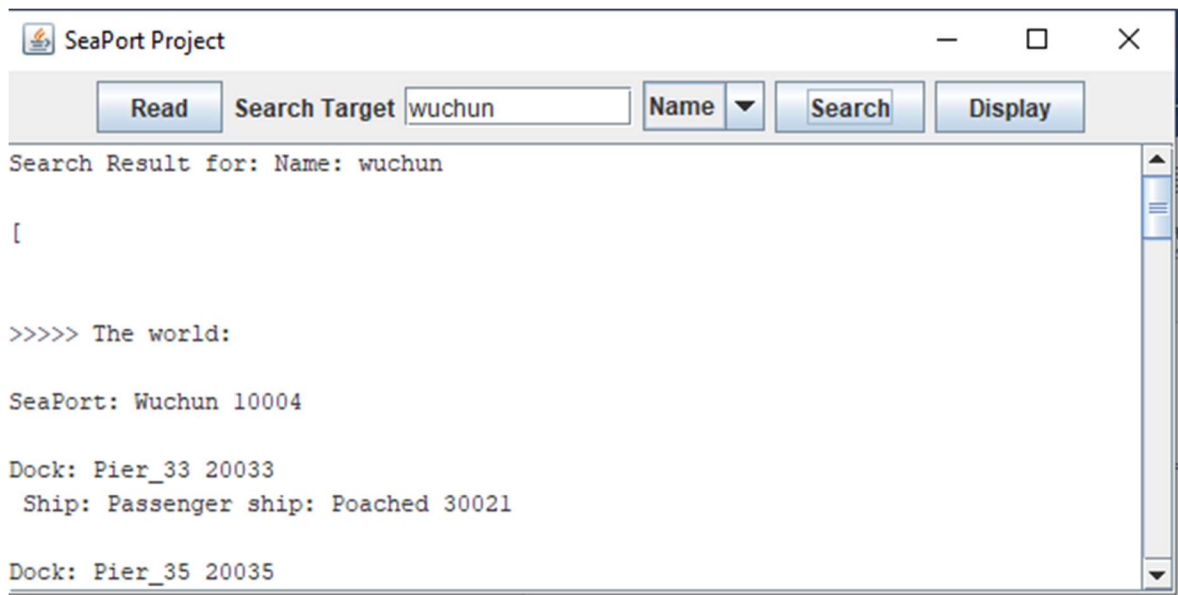
TestCase 3 Screenshot:



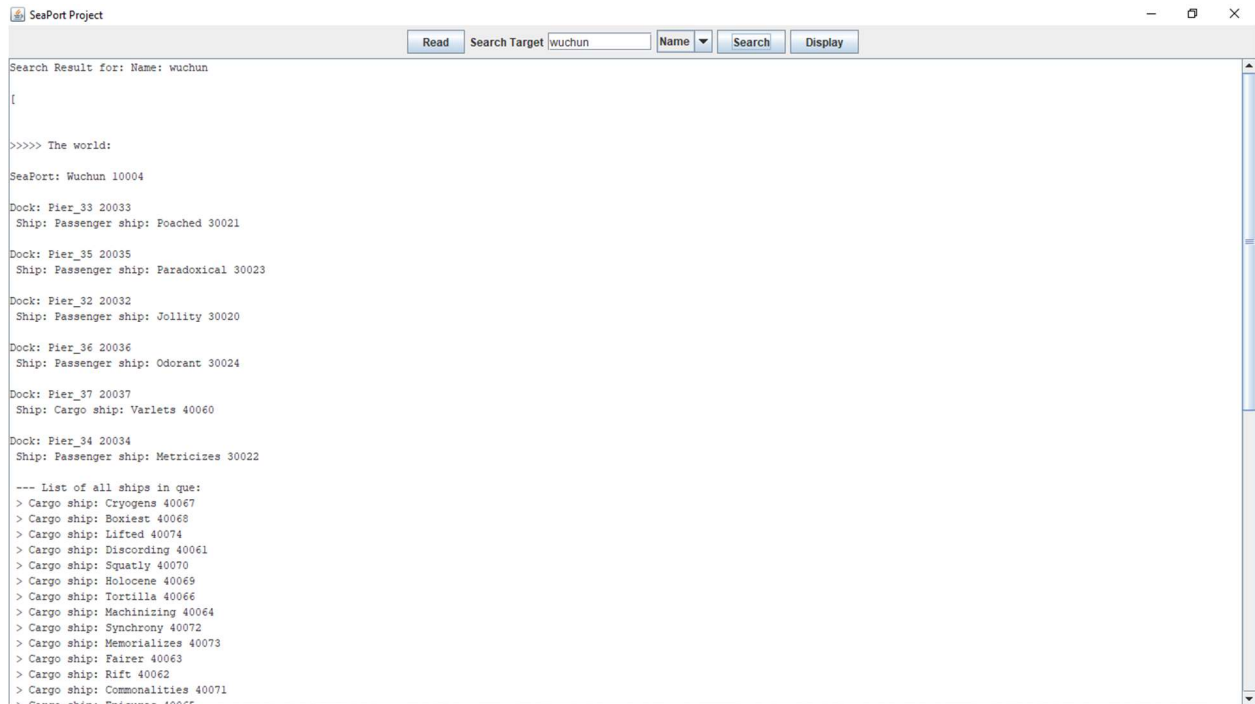
Testcase 4 Screenshot:



TestCase5 screen shot:



The resized window will look like this,



- Not Implemented:

Not Applicable.

- Lesson Learned:

During working on this project, I realized that How I can connect the idea of object-oriented programming with the real world. I learned the use of inheritance so that we can reuse the code, and all the class is a type of a Thing (Thing.java) so that in future projects we can compare and sort them. I also learn that how to select file using JFileChooser in javaFx.

In this project I can more improve on displaying my search result.