**Rami Wail Shoula: Examination System (Run Manual)**

1. **Object-Oriented Data Structures in C++ (Coursera) Questions**

**I used the questions from this coursera course as reference (No. representing each of my questions and their source):**

**1**

Graphical user interface, text, application, email

Description automatically generated

**2**

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**3,5,6,7,8**

Graphical user interface, text, application

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**4**

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**9**

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Description automatically generated

**10**

A screenshot of a computer

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1. **Program Run (Final Exam)**

Text

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Text

Description automatically generated

**The Final Exam is like a printed exam (that is also printed (i.e. saved) to the external file “Questions\_Print.txt” That is generated in the bin -> Debug after the run.**

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1. **Program Run (Practice Exam)**

Text

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Text

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**In this case, I got 1 wrong in Q4 (-1 mark), Q6 wrong (-7 marks).   
  
So a total of -8 marks ;**

**Validating the 46 out of 54 final grade in this case ( - 8 marks total).**

**I checked the grading system and it is correct for all cases.**

**I also checked and rechecked the questions and answers to make sure that they are correct (data structure exam) as per the screenshots I took from coursera course…  
  
However, in some cases, I rephrased the questions.**

1. **Questions\_Print.txt files**

**I generated to “Questions\_Print.txt” files, one for the case of the final exam and one for my Practice exam demo.  
  
I renamed them “Questions\_Print\_Final.txt” & “Questions\_Print\_Practice.txt”, respectively and uploaded them with the submission. If the txt file is cleared be4 the run it generates the same output ( just the questions and answers as shown below:**

Graphical user interface, text, application

Description automatically generated

**When rerun, the file is overwritten (this can be used as a count of how many times the exam was taken xd so I didn’t look into changing this behavior bec. a means to find out how many times the code is run is exciting to me as it is like a fingerprint that the runs leave after run ^^. Btw. the default size of the file is 2.57 KB and increases with each run.  
  
This manual is just for validation that all functionality required executed correctly.**

**Rami Wail Shoula**