COMP1161 PROJECT PART 3

Due April 14, 2025

After successful implementation of a text menu interface, Jamrock's Ministry of Transport now wants to select a team to roll out a graphical user interface(GUI) based version. The winning team will be selected based on a competitive tender process, in which each participating team is to deliver a (possibly unrelated) sample application. The sample application will also be used to determine the grade for a piece of coursework for COMP1161. Note the maximum size of any team is four (4). Your grade will be determined based on the assessment of the sample submitted. Each team that is interested in proposing a solution will submit a Java application which includes basic functionality that manage(s) a process on list/lists of (at least one) agreed data item. The ability to manage details of the item is also expected. In assessing applications, the Ministry allocates scores according to the schedule in Table 1. The maximum score that can be attained is 100. Note there is an allocation for an "innovation score" to encourage each team to showcase creativity by creating a unique product. The Ministry is not interested in having too many persons attempt the same idea as an innovation, so innovations are to be approved before being incorporated into the sample. Approval is requested by sending an email to paul.gaynor@uwimona.edu.jm.

Innovative library use is encouraged. An example of a sample app that demonstrates basic speech output, and image handling techniques is shown in the SampleApp project, to give an idea of how appropriate libraries can be incorporated.

SUBMISSION INSTRUCTIONS

Any group member may submit. The submission involves the following two stages

1. Depositing a file to the OurVLE submission slot that contains all the work of the team

2. Selecting a demonstration time with an assessor. Currently, the expected dates for demonstrations will be August 16 and 17.

The file to be submitted will be a zip file that has contains three(3) items namely:

a. User documentation that describes your interface.

b. A folder that contains only the source files used to create the solution. Each public class is to be placed in it's own file.

c. An executable jar file that contains the solution.

The zip file will include using the id numbers of the group members, separated by underscores as well as an optional group name. As an example, if the id numbers of the group members are 620000001, 620000002 and 620000003 and the group calls themselves BestCode, the file could be named 620000001_620000003_620000002_BestCode.zip, but it is ok if the group submits file 620000003_620000002_620000001.zip.

Table1: Scoring Strategy

Base Functionality (Total 70 marks)	
Graphical screen that lists a data item, and allows at least two sort options	20
The ability to reliably add, edit and delete the data item	25
The ability to persist previously entered data when the application is not in use	5
User Documentation	10
Readable self documenting code (each class in it's own file)	5
A executable jar file that contains the program	5
Innovation Score (Max 30 marks)	
EITHER Simple innovation based on adding scope (eg. additional screens that manage **related** items)	15
OR An interesting process on the data items	30