LIS452 LEG – Foundations of Information Processing
Semester: Summer 2017
Instructor: Kevin Trainor
Assignment: Final Project
Course Component: Final Project
Grading Rubric

Submission

Timeliness (10 available points)

Requirements
Must be submitted by date and time indicated in the weekly schedule.

Percent Credit	Description
100	On Time
0	Late (10 points off)
0	Not submitted or submitted too late

File Submitted (10 available points)

Requirements
Submit exactly 2 files.
One file must be of type PowerPoint or PDF and contain slides from your in-class project presentation.
The file name of the slides file must follow the form lastName_firstName_project_slides.XXX (where X is one of the approved file types).
The other file must be of type .ZIP and contain a proper PyCharm project.
File name of the project file must follow the form lastName_firstName_final_project.zip.
Contents of .ZIP file must be a properly named directory that represents a PyCharm project.
If the project uses modules or packages not included in the default Anaconda download, you must already have made arrangements with the instructor regarding a proper testing environment.
Directory contents must be properly named PyCharm project files.

Percent Credit	Description
100	Meets all expectations.
90	Meets nearly all expectations.
75	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Project Characteristics

Suitability (20 available points)

Requirements
It must be an information processing project with a substantial amount of code that can be implemented in Python.
It must be a project that is large enough that it will require substantial programming effort after the course has completed.
While the project may be inspired by the work of others, it must be a project that the student can understand and explain themselves.
Project must make significant use of at least one Python code library that was not covered in the course.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

State of Completion (20 available points)

Requirements
At least one non-trivial Python program must have been designed, coded and tested.
While coding approaches may be inspired by the code of others, all coding must have been completed by the student.
Each program must compile cleanly and comply with the PEP 8 style guidelines as enforced by the PyCharm Inspect Code feature.
Program code must follow all good programming practices covered by the course.
Programs must include appropriate comments and docstrings.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Plans for Future (20 available points)

Requirements
Slides provided by student must articulate at least 3 steps beyond the current state of completion.
Steps may include research steps as well as design/code/test steps.
Each step identified in the future plans must be non-trivial.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Testing (20 available points)

Requirements
A manual unit test plan or an automated unit test must be provided for each Python module submitted.
Any manual unit test plans must include test cases that include specific inputs and expected outputs.
Any automated unit tests must provide test cases that include specific inputs and expected outputs.
Tests must be reproducible by the instructor by following the directions provided.
For a program to be considered complete, it must pass its reasonable test plan.
Programs that are only partially tested should be clearly identified.
Testing plans for test stages beyond unit test (integration test, system test, acceptance test) will be considered as beyond expectations.

Percent Credit	Description
100	Substantially exceeds expectations
95	Meets all expectations.
90	Meets nearly all expectations.
80	Meets most expectations.
50	Meets some expectations.
25	Meets few expectations.
10	Meets nearly no expectations.
0	Meets no expectations.
0	Not submitted or submitted too late.

Net Available Points = 100