FinTech Unit 5 Homework: Grading Rubric

Criteria	Ratings			
Personal Finance Planner - Collect Crypto Prices Using the requests Library - Collect Investments Data Using Alpaca: SPY (stocks) and AGG (bonds) - Savings Health Analysis	SP Points Mastery Completed 3 out of 3 requirements Code runs without error and produces the assigned results Code accounts for all possible scenario Code is free of bugs	34 > 28 Points Approaching Mastery - Completed 2 out of 3 of requirements - Code uns without error - Code produces results as expected 80% of the time	28 > 23 Points Progressing - Completed 1 out of 3 requirements - Code runs without error - Code produces results, but not necessarily the correct results	23 > 0 Emerging - Completed 0 out of the 3 requirements - No submission - Code runs with error
Retirement Planning • Monte Carlo Simulation with 500 runs • Plot Monte Carlo simulation results • Plot the probability distribution and confidence intervals • Retirement Analysis	35 Points Mastery • Completed 4 out of 4 requirements • Code runs without error and produces the assigned results • Code accounts for all possible scenario • Code is free of bugs	34 > 28 Points Approaching Mastery *Completed 3 out of 4 of requirements *Code uns without error *Code produces results as expected 80% of the time	28 > 23 Points Progressing • Completed 2 out of 4 requirements • Code uns without error • Code produces results, but not necessarily the correct results	23 > 0 Emerging Completed 1 or none out of the 4 requirements No submission Code runs with error
Coding Conventions/Formating	10 Points Mastery Imports are at the top of the file, just after any module comments and docstrings, and before module globals and constants. Function names are lowercase, with words separated by underscores Variable names follow the same convention as function names. Code follows (DRY) principals, no repetition, maintainable and highly reusable code.	Points Approaching Mastery Variable names are specific and descriptive of the information held by the variable Imports are within the top of file	8 Points Progressing - Code lacks proper indentation and length convention - Limit all lines to a maximum of 79 characters. - Variable names are generic and not descriptive of the information held by the variable - Imports and files are located in a non-standard location	8 > 0 Emerging • Code is excessively lengthy • Variable names are missing or lacking any descriptive information • Import and files are not loaded
Deployment/Submission	10 Points Mastery Repository cloned to local machine Files added to the repo via the command line Appropriate commit messages	Points Approaching Mastery Repository cloned to local machine Files added to repo via the command line	Points Progressing Repository created on GitHub Files added manually on GitHub	8 > 0 Emerging • No Submission • Submission via incorrect format
Documentation/Comments	Points Mastery Code is well commented with concise, relevant notes	Points Approaching Mastery Code is commented and mostly understandable to an outside user	Points Progressing Code has comments, but they are not understandable to an outside user	8 > 0 Emerging - Code is not commented
Optional Challenge — Early Retirement - Portfolio adjusted for early retirement - Analysis of high stock vs bond ratio/ Initial Investment	10 Points Mastery - Completed 100% of requirements - Code runs without error and produces the assigned results - Code accounts for all possible scenario - Code is free of bugs	10 > 8 Points Approaching Mastery • Completed ≥ 80% of requirements • Code runs without error • Code produces results as expected 80% of the time	8 > 6 Points Progressing - Completed 2 70% of requirements - Code uns without error - Code produces results, but not necessarily the correct results	6 > 0 Emerging • Completed s 70% of requirements • No submission • Code does not run without error