**FinTech Unit 19 Blockchain-Python Homework Grading Rubric**

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| **Criteria** | **Ratings** | | | |
| **Project Setup**  • Project Directory created. • Constants setup in separate file. • Mnemonic Generated. • Wallet keys derived. | **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 runs without error • Code produces results as expected 80% of the time | **28 > 23 Points Progressing** • Completed fewer than 2 out of 4 requirements • Code runs 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 |
| **Transactions**  • Transactions linked with signing libraries • Wallet funded and transactions sent. • **BTCTEST** address funded and screenshots of the transactions added. • **Local PoA** **Ethereum** transactions added and screenshots added. | **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 runs without error • Code produces results as expected 80% of the time | **28 > 23 Points Progressing** • Completed 2 out of 4 requirements • Code runs without error  • Code produces results, but not necessarily the correct results | **23 > 0 Emerging** • Completed 1 or none of the 4 requirements • No submission • Code runs with error |
| **Optional Challenge**  • Support for **BTC** added. • Support for **LTC** using **lit** added. • **Functio**n added to track transaction status by **txid.** | **30 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 | **20 Points Approaching Mastery** • Completed 2 out of 3 of requirements • Code runs without error • Code produces results as expected 80% of the time | **10 Points Progressing** • Completed 1 out of 3 requirements • Code runs without error  • Code produces results, but not necessarily the correct results | **0** • Completed none of the 3 requirements • No submission • Code runs with error |
| **Coding Conventions/Formatting**  • Appropriate header, name, short description at top of the notebook • Imports are at the top of the file, just after any headers or subheads. • Files read in from relative file path • Functions and variable names are descriptive, lowercase, with words separated by underscores • Clean code, no repetition, maintainable and highly reusable code. • Appropriate code wrapping and cell sizes • Appropriate subheads as needed | **10 Points Mastery** | **9 Points Approaching Mastery** | **8 Points Progressing** | **8 > 0 Emerging** |
| **Deployment/Submission**  • Files submitted in personal repo • Appropriate directory structure with correct files needed to run scripts • Appropriate commit messages • Appropriate README | **10 Points Mastery** | **9 Points Approaching Mastery** | **8 Points Progressing** | **8 > 0 Emerging** |
| **Documentation/Comments**  • Code is well commented with concise, relevant comments | **10 Points Mastery** | **9 Points Approaching Mastery** | **8 Points Progressing** | **8 > 0 Emerging** |