Appendices

Notes from interview with advisor/client

1. At the planning stage, I interviewed my advisor/client in February 2021, he talked about the general principles of the personal income tax system, such as the progressive tax brackets. He advised me to:
    a. design my program to be extensible for future development by programmers, given the complexity of a real-life taxing system;
    b. produce a prototype for a general user to calculate his/her own tax, the prototype being extensible for the general user too, as a proof of the concept.
    c. stick to a modest goal at the initial stage, to complete the development cycle in time.

2. After I gave a presentation to my advisor/client of my program on March 30, 2021, he told me that he is satisfied with the modular design and the extensibility of the program.

He advised me to
    a. furnish the administrator stream and have a complete prototype.
    b. add a rebate function.
    c. add more visual clues to GUI, such as coloring tax owed as red and the rebate as green.
    d. publish and share the source on github for collaboration.

He understood that wholly automatic tax rule translation is challenging. He urged me to explore more ways for semi-automatic rule translation, and evaluate the efficiencies of those means.