Car Loan Schedule Reflection

The python car loan calculator is a terminal OOP python-based program. The program will make use of the 6 OOP classes. The program will gather the user input and calculate / process the car loan application. The program will calculate the car loan and display the amortized loan schedule. The complexity of the class / objecting be used to render a decision and providing a data centric output.

If I had more time, I would have expanded on the programs UI. I would have added a nicer UI for the user to input all the relevant information. Another enhancement would have been to plot the output on a graph as well as allowing the user to enter multiple loan simulations.

Learning new Python libraries where challenges that I had to overcome. The most challenging aspect of the project was time management. With all the other responsibilities making enough time for this project was the biggest challenge. I still enjoyed completing the assignment as I was able to expand my knowledge of Python.

Please enter the valid user information as listed below in the sample output:

python.exe main.py

Welcome to the car loan program

Will this be a personal or commercial loan?

Please enter p = personal or c = commercial: or q = quit p

Please enter the persons name: John Smith

Please enter the persons address: 123 Main St San Francisco CA 94105

Please enter the persons drivers license: DL123456

Please enter the persons phone: 415-222-3333

Please enter the persons email: mail@email.com

Please enter the persons ssn: 123-45-6789

Please enter the persons age: 33

Please enter the persons credit score: 800

Please enter the persons down payment: 0

Application for: John Smith has been entered.

Please enter the car's year: 2016

Please enter the car's make: BMW

Please enter the car's model: x1

Please enter the car's mileage: 20000

Please enter the car's sticker price: 25000

Please enter the car's loan interest: .03

Car information is being processed.

Car is eligible for financing.

Processing loan

Congratulations Wells Fargo has approved your loan.

Please see your loan schedule below:

	Year	Initial_Balance	Payments	Interest	Principal	Ending_Balance
0	1.0	25000.00	5610.95	992.50	4618.45	20381.55
1	2.0	20381.55	5610.95	809.15	4801.80	15579.76
2	3.0	15579.76	5610.95	618.52	4992.43	10587.33
3	4.0	10587.33	5610.95	420.32	5190.63	5396.70
4	5.0	5396.70	5610.95	214.25	5396.70	0.00