## Database Design CS 6360.501

## System Architecture -

```
> __pycache__
books.csv
borrowers.csv
BorrowingPerson.py
                            9+
CheckIn.py
                            9+
main.py
                            9+
MainGui.py
                            9+
PayFines.py
                            9+
README.md

    □ requirements.txt

SQL Library Project Descriptio...
🙏 User Guide.pdf
```

The project is split into 5 main "Files" or Classes.

- 1. Borrowing Person
- 2. MainGUI
- 3. PayFines
- 4. CheckIn

## 5. Main.py

- A. Main.py is responsible for the starting point of the code
- B. MainGUI is responsible for running the tkinter gui mainloop and the interactions
- C. BorrowingPerson is responsible for the Customer Class or Model and defines Person objects and their behavior
- D. PayFines is responsible for the Fine custom class and defines the interaction of fines with the rest of the database
- E. Checkln is responsible for Fine Calculation as well as main library database updation.