**SQL Library Project**

CS 4347.002

Team F

Team member:

Sailesh Andra, Caleb Ernst, Yong hyun Lee, David Yang, Matthew Basinger

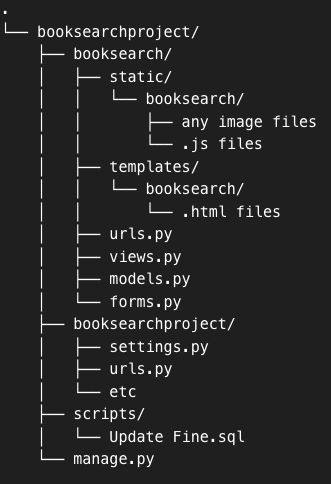
Github Repository:

https://github.com/4347groupF/dbproject

**I. Project Description**

Our programming languages which we chose to use for this project were python Django for the backend development, and HTML and CSS for front end development. Our architecture decisions were based around adapting to our Django framework which forced us to make unconventional choices as Django uses a Model Template View framework, which means we had to separate certain functionalities such as data access and user interfaces to certain files. This also impacted our GUI as we tried to make it as easy to navigate and operate for the user through implementing CSS, JavaScript on top of our HTML, and by creating an initial login/sign-up/librarian menu page before leading to our book search page as well as having a menu tab which can be opened from all pages to navigate our website. Strongest advantages of our program are not-dictating platform, OS, or framework. Up-to-date python version is enough to execute the program.

**II. Architecture**

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**III. Roles**

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| **Name** | **Responsibility** | **Sub-group** |
| Sailesh Andra | MENU bar, Profile, CheckOut, SearchResults design | Front-end |
| Caleb Ernst | Librarian features, SignIn, SignUp, index design | Front-end |
| Yong hyun Lee | Primary architect and team lead / Login, Profile, Check-In & Out logic | Back-end |
| David Yang | Database administration / Book loans, SignUp, Fine management logic | Back-end |
| Matthew Basinger | Primary documenting / Index and Book search logic | Back-end |