

Design Document for Book/Movie Recommendation Website

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APIs Being Used: Google Books, OMBD, Open Library

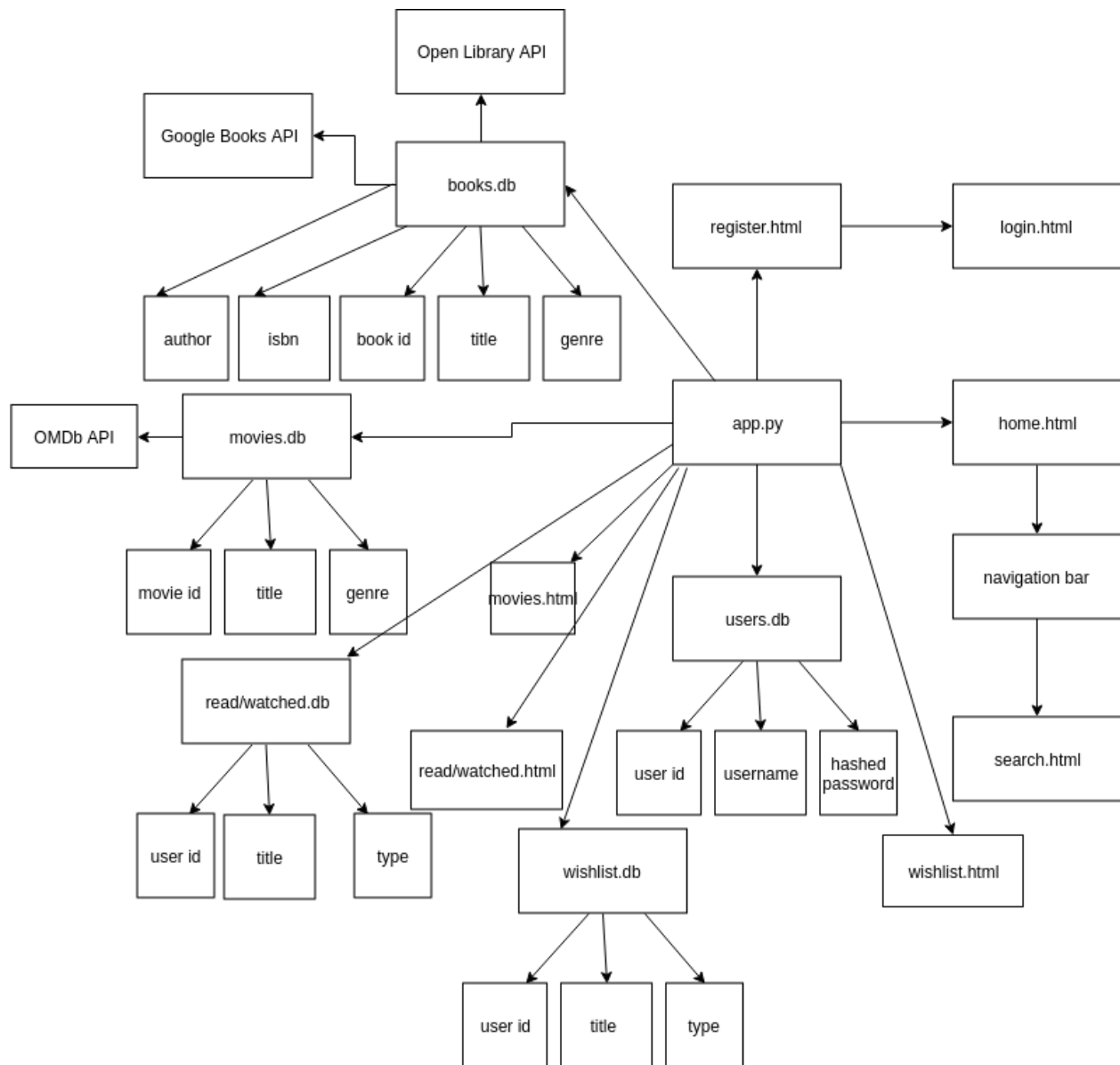
OVERVIEW OF COMPONENTS

- (/): When a registered/non-registered user enters, they land on the homepage
 - Displays “Logged in as <username>” if logged in, else provides input for login on top
 - Search bar for searching books or movies by title
 - Navigation bar
- (/register): If user is logged in, redirect them to (/)
 - Register for account with username and password
 - Password will be hashed
- (/search): displays results for search query provided
- (/<userID>): personal page for registered users; if not logged in, user is redirected to (/register)
 - (/<userID>/to-read): Displays books the user wants to read
 - (/<userID>/already-read): Displays books the user has already read
 - (/<userID>/to-watch): Displays movies the user wants to watch
 - (/<userID>/already-watched): Displays movies the user has already watched
- (/recommend): displays a list of movies or books based on input
 - User will input a list of movies or books they like and a list of similar movies or books will be generated.
- (/M-<movieID>) Page for a specific movie
 - Provides information about the movie
- (/B-<bookID>) Page for a specific book
 - Provides information about the book

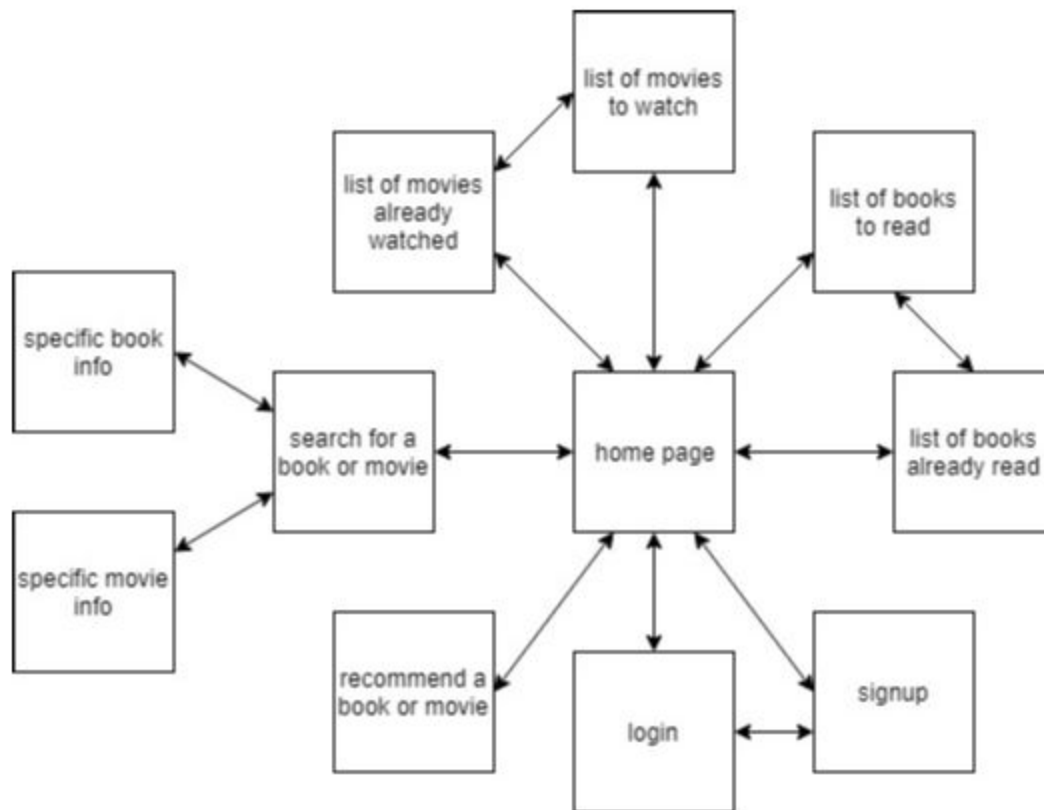
DIVISION OF WORK

Shafali	flask routes, API handling
Jabir	database , util functions for DB, book info, movie info
Karen	HTML, CSS (Bootstrap), account management, book and movie list

COMPONENT MAP



SITE MAP



DATABASE SCHEMA

Users		
UserID	User-name	Hashed Password

Book				
Book ID	Title	Author	ISBN	Genre

Movie		
Movie ID	Title	Genre

Wishlist		
UserID	Title	Type

Read/watched		
UserID	Title	Type