Design Document for Book/Movie Recommendation Website

Team Name: SharingIsKaring

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APIs Being Used: Google Books, OMBD, Open Library
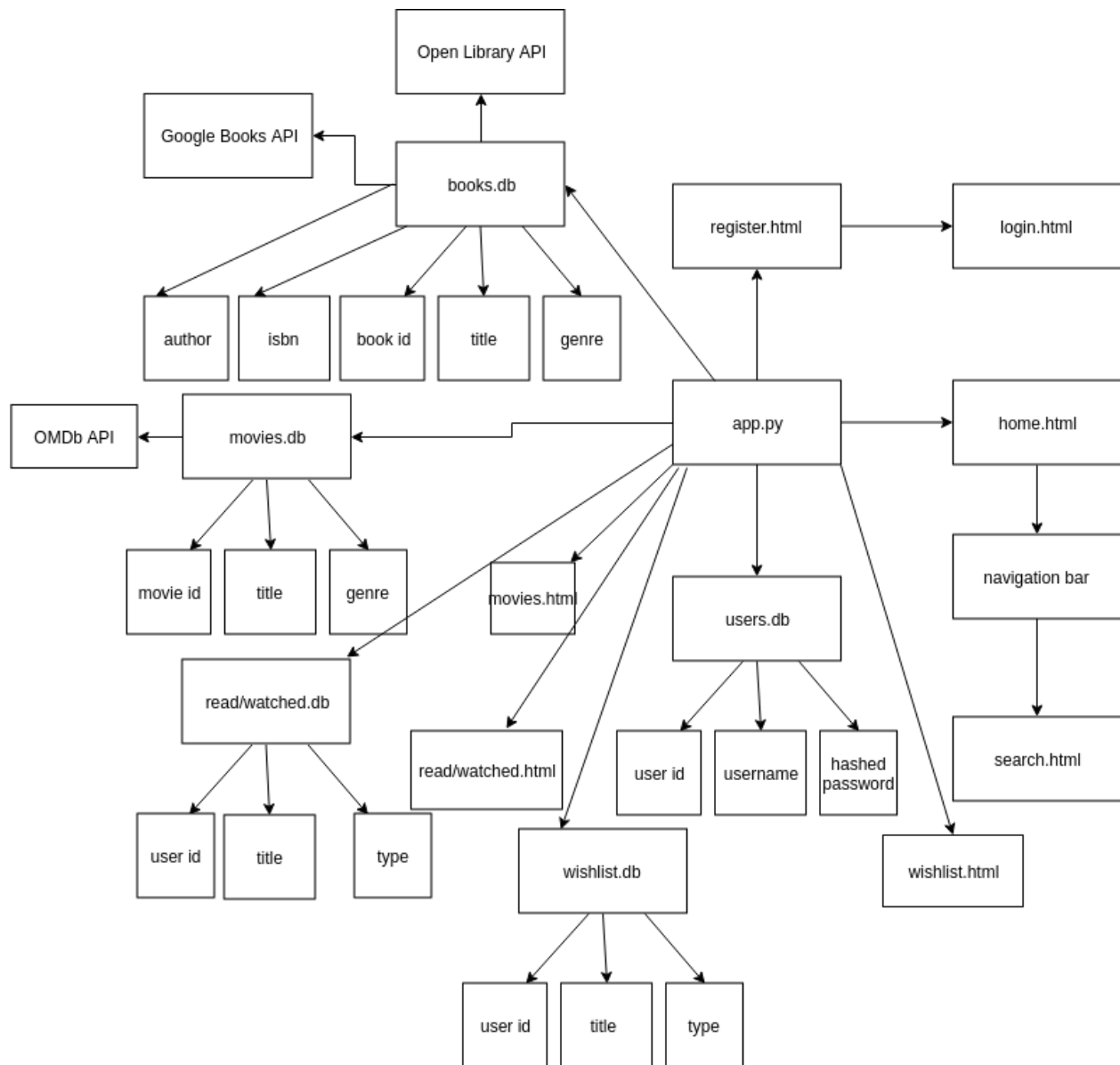
OVERVIEW OF COMPONENTS

- (/): 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
- (/<int:userID>): personal page for registered users; if not logged in, user is redirected to (/register)
  - (/<int:userID>/to-read): Displays books the user wants to read
  - (/<int:userID>/already-read): Displays books the user has already read
  - (/<int:userID>/to-watch): Displays movies the user wants to watch
  - (/<int: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.
- (/movie_info/<int:movieID>) Page for a specific movie
  - Provides information about the movie
- (/book_info/<int:bookID>) Page for a specific book
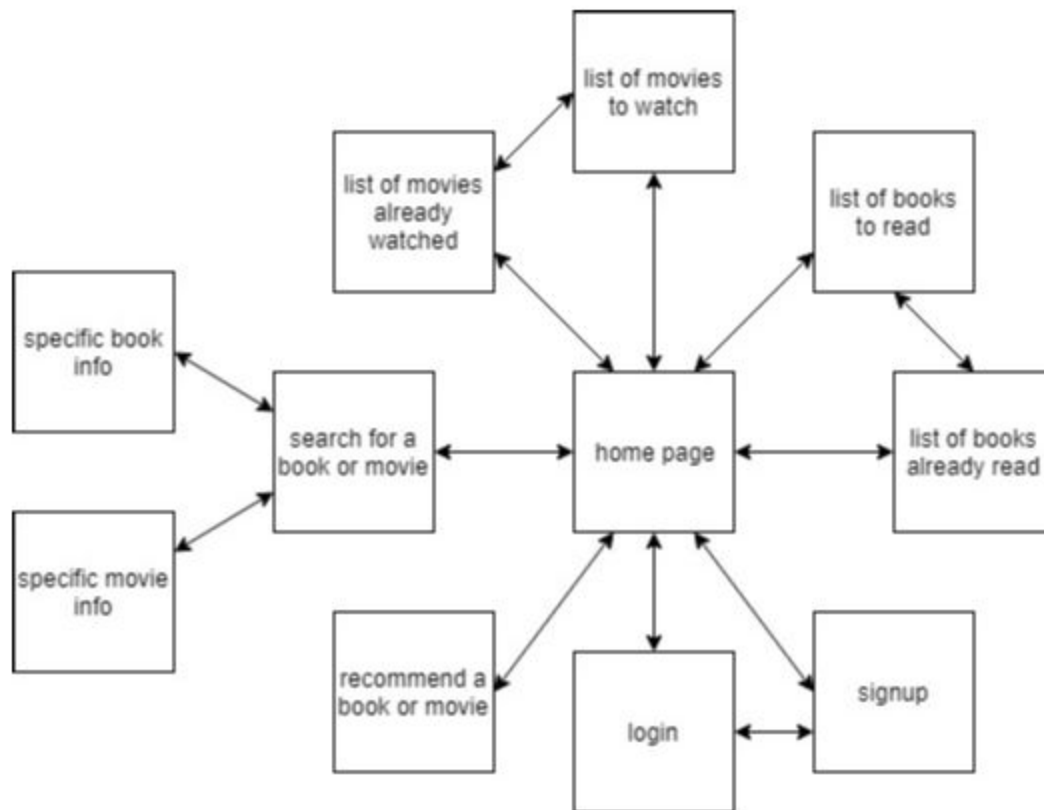 - Provides information about the book

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