The entertainment planner

I. Description:

The project will help users select a book or a movie for their entertainment.
The user can first select if they want to read a book or watch a movie. And then asked for more criteria to narrow down a list, eg. cost of the book or movie, year of release etc.

In case the first select is a book, the user will be provided with a list of 10 suggestions based on the additional criteria entered. If the user does not like any of the suggestions they can continue and another list of 10 suggestions will pop up. Once the user selects a book, another suggestion can come up with a list of movies on the book selected.

On the other hand if the user chooses to watch a movie, the user would be requested to enter additional criteria like genre, language etc. A list of 10 movies will be displayed to the user.

The user has an option to quit at any point by entering ‘q’.

II. Features:

- User can select a method of entertainment and will be provided with a limited list of choices based on if google api can be used or data needs to be entered in database.

- User will have the ability to scroll through multiple lists of choices for either of the methods of entertainment.

- Each time the user click on continue without selecting a book or movie the list gets replaced by a list of new class objects.

- If the user selects a book object and if the book object has corresponding movie objects that can be created (by using a True/False comparison against movie database) a list of movie suggestions will pop up and then quit the program.

- Possible function of letting the user select a movie and suggestions for books based on the movie selected (currently not sure how to implement this - based on which criteria).

- Possible function of displaying some short description about the book/movie (currently not sure how to implement this - to enter in DB or use api if that works).

- Player can use "q" to quit at any point.

The app may play like this:

...
Select an entertainment method: 1) Book, 2) Movie
User can enter only 1 or 2
Enter additional criteria: Year:

Enter class specific criteria:

List of all books/movies from year XXXX:

1) The Fountainhead
2) Kane and Abel
3) As the crow flies…..
4)

Congrats looks like you are interested in reading: The Fountainhead.

Interesting facts about this book: Movies based on this book etc….

III. Classes:

Entertainment Main Class:
This will contain a tuple - Mode: Book, Movie
Attributes: Availability, Cost, Year

Book Class:
Parent Class: Entertainment Main Class
Attributes: Author, Title, Description

Movie Class:
Parent Class: Entertainment Main Class
Attributes: Genre, Language, Name, Description

Entertainment Main Function:
User selection: Mode: Book, Movie
Let user enter filtering criteria.
Let user continue or quit
List variable holding a list of Book or Movie class objects.

IV. Considerations:

Possible Database connection issues.
Google api not working to capture the information.