# BOOK REPOSITORY

## INTRODUCTION:

Book Repository is an application for all book lovers. It is a perfect place to find any book or article written by a person's favorite author. If a person likes a book written by a particular author, e.g. JK Rowling and wishes to explore other creations by the same author they are just one click away from it. They can also view their favorite book online or check availability status of a pdf version of the book. Purchase option is available for those who would like to buy the book.

## FUNCTIONALITIES OF THE APPLICATION:

- Book Repository Application provides a list of books to a user based on the author name that the user provides
- The user can select a book from the list provided to view description of the book, link to access an eBook if available and pdf availability status
- User is redirected to eBay's online payment site if he decides to purchase the book. Details of payment are displayed

## DETAILS OF API's

1) Goodreads API: https://www.goodreads.com/api
   This RESTful API provides the functionality of listing all the books and other creations by the author provided as input by the user.
   Request Type: GET
   Parameters required:
   - API key: LQdvhUKbZ8HB5HbXCkCQTw
   - Keyword: Author name

2) Google Books API: https://developers.google.com/books/docs/v1/using
   This RESTful API provides description of the selected book along with a link for accessing eBook if available and also displays the availability status of a PDF version (i.e. if a PDF is available "PDF available will be displayed" , otherwise "PDF not available is displayed".
   Request Type: GET
   Parameters required:
   - API Key: AIzaSyB9Q4qRzN5wLVrN4sUIF6gAcgJ0RP8pRE0
   - Keyword: Book name obtained from the list of books displayed by Goodreads API.

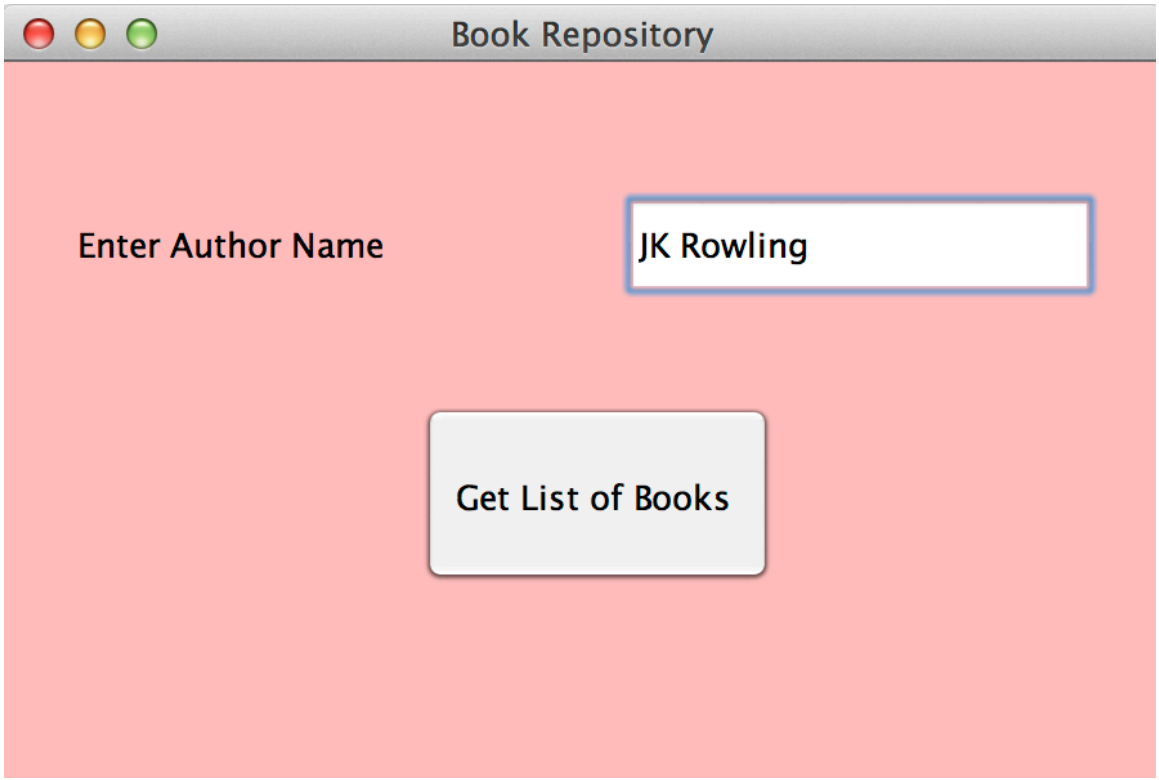
3) Finding eBay API:
   http://developer.ebay.com/Devzone/finding/Concepts/FindingAPIGuide.html#work

This RESTful API provides details of payment method, price of the book, discount offered , link to buy the item etc.
Request Type: GET
Parameters required:

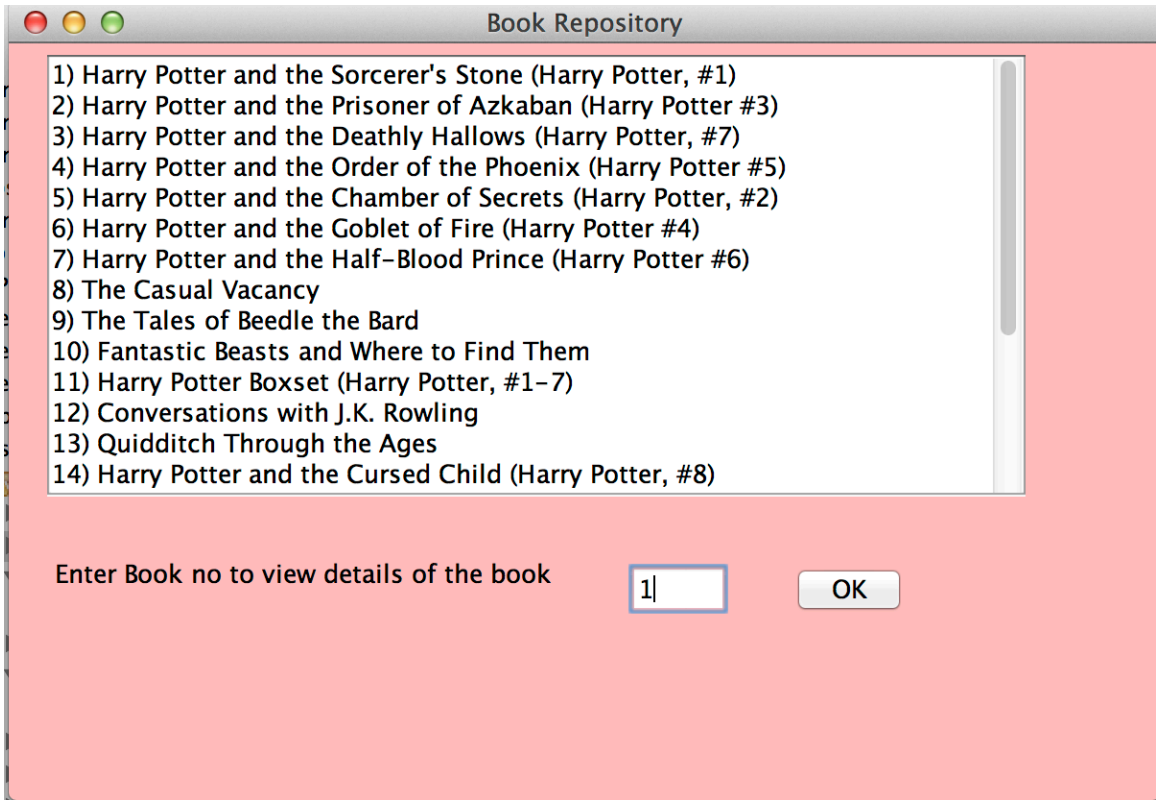
- API Key: Rocheste-BookSear-SBX-8d2cad3ef-26928319
- Keyword: Book name

**SCREENSHOTS**:

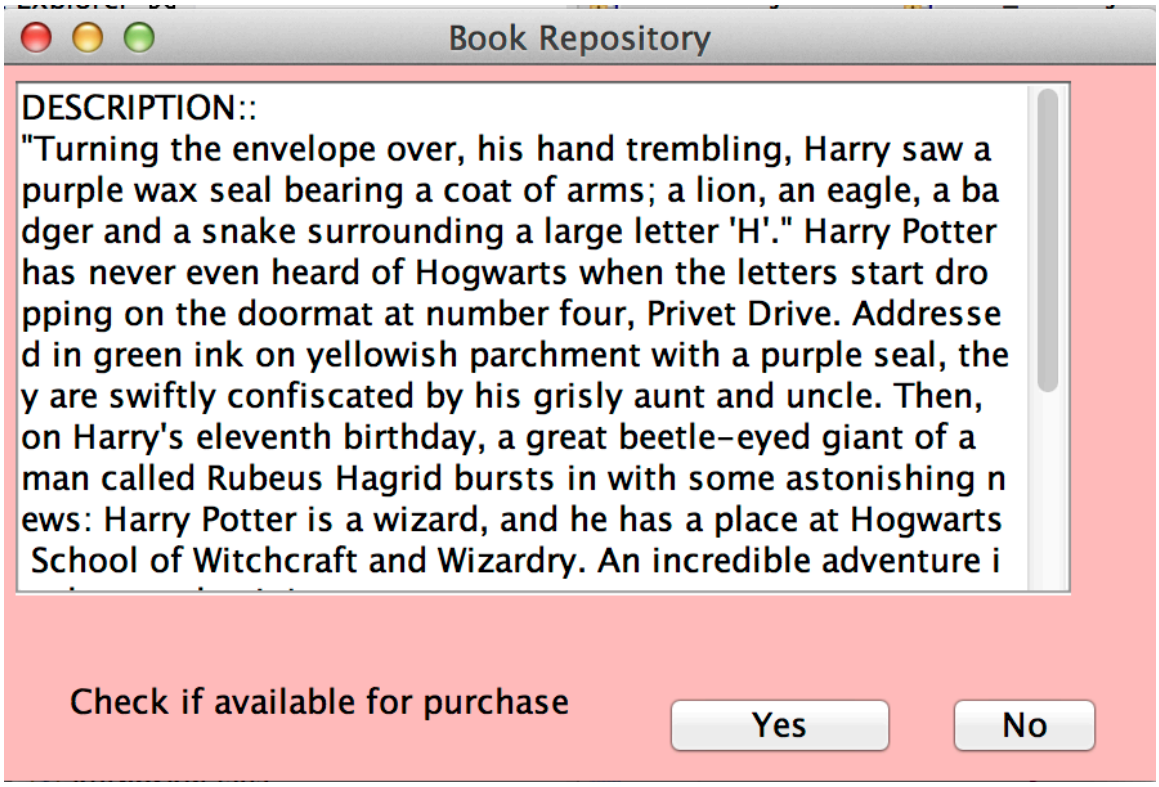
1) Enter Author Name: JK Rowling

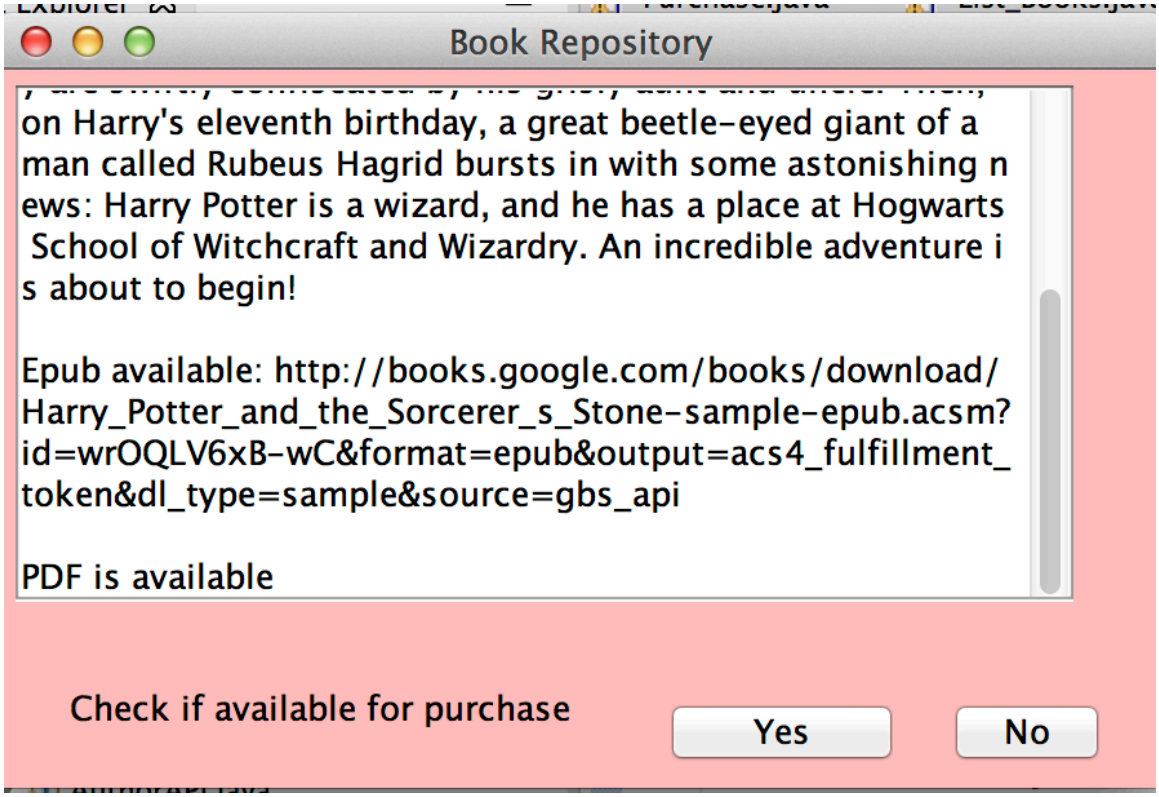
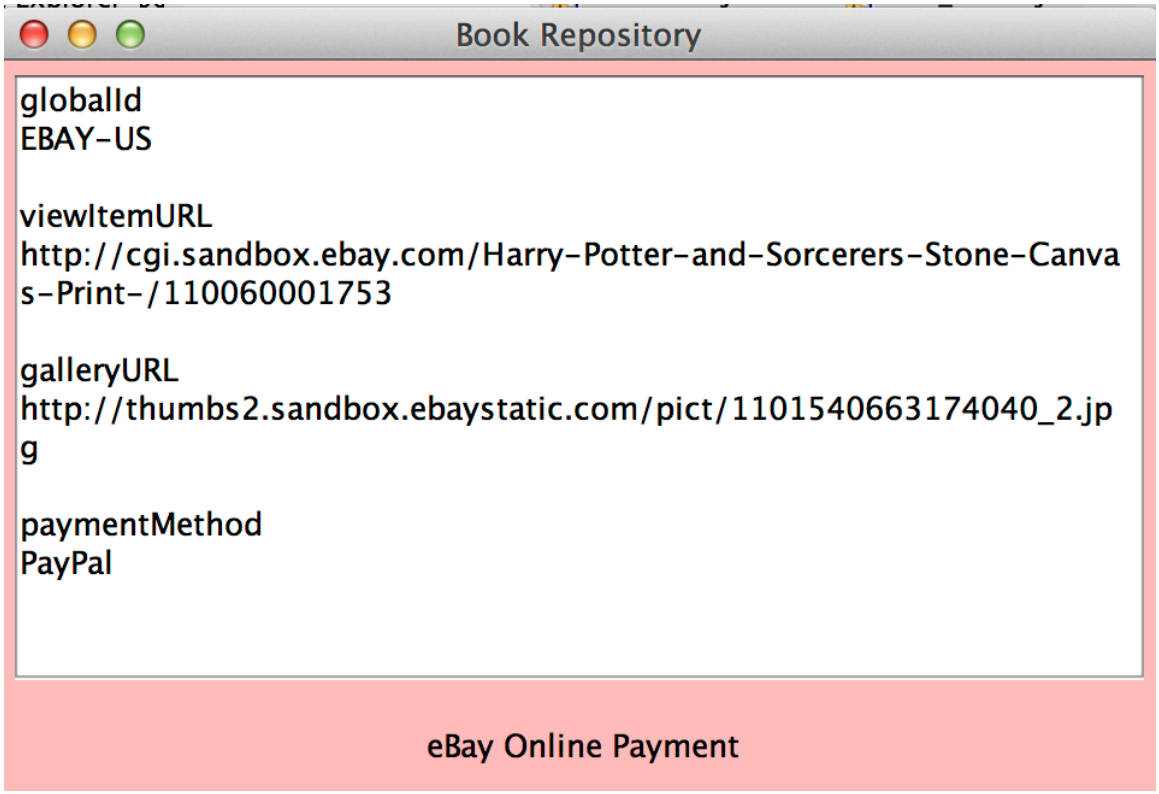



2) Hit Get List of Books button and get the list of all books and other creations by the author: JK Rowling.




3) Enter Book number to view the details of the book such as book description, eBook availability and PDF availability. If an eBook is available, link to the book is displayed and PDF status of the book is displayed.


Book Repository
DESCRIPTION::
"Turning the envelope over, his hand trembling, Harry saw a purple wax seal bearing a coat of arms; a lion, an eagle, a badger and a snake surrounding a large letter 'H'." Harry Potter has never even heard of Hogwarts when the letters start dropping on the doormat at number four, Privet Drive. Addressed in green ink on yellowish parchment with a purple seal, they are swiftly confiscated by his grisly aunt and uncle. Then, on Harry's eleventh birthday, a great beetle-eyed giant of a man called Rubeus Hagrid bursts in with some astonishing news: Harry Potter is a wizard, and he has a place at Hogwarts School of Witchcraft and Wizardry. An incredible adventure i
Check if available for purchase
Yes
No


Book Repository
on Harry's eleventh birthday, a great beetle-eyed giant of a man called Rubeus Hagrid bursts in with some astonishing news: Harry Potter is a wizard, and he has a place at Hogwarts School of Witchcraft and Wizardry. An incredible adventure is about to begin!
Epub available: http://books.google.com/books/download/Harry_Potter_and_the_Sorcerer_s_Stone-sample-epub.acsm?id=wrOQLV6xB-wC&format=epub&output=acs4_fulfillment_token&dl_type=sample&source=gbs_api
PDF is available
Check if available for purchase
Yes
No

4) If one wishes to purchase the book, the availability of the book for purchase along with payment details and a link to the item is provided at the eBay online site.
If one presses yes he/she will be redirected to the eBay online payment site.