

## PROJECT – ISBN WEBSITE

### 1. PACKAGES USED IN THIS PROJECT ARE:

- `mysql-connector==2.2.9` // Database Connection to Python
- `mysql-connector-python==8.0.33`
- `mysql-connector-python-rf==2.2.2`
- `simplejson==3.19.1` // JavaScript decoder for API integration
- `textwrap3==0.9.2`
- `urllib3==1.26.16` // HTTP client for Python
- `Flask==2.3.3` // Web App Framework
- `openpyxl==3.1.2` // Excel Connection to Python
- `opencv-python==4.8.0.76` // used to save images without clicks
- `pyzbar==0.1.9` // to read the Barcode
- `SpeechRecognition==3.10.0` // Transcribes the Audio to Text(data)
- `PyAudio==0.2.13` // provides binding of Port audio for O/P

### 2. CREATED LOGIN PAGE FOR THE WEBSITE

- Signup page to store the data of the user in the Database.
- Login works when the username and password match in the database record.
- They are 2 roles for the users namely, 'ADMIN' and 'STUDENT'.

### 3. CONNECTION OF PYTHON AND HTML USING FLASK FRAMEWORK

- If the User enters the ISBN number and provides details of the book.

CHRISTIAN MEDICAL COLLEGE VELLORE  
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9781423121718

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Title	Author	Summary	Public Domain	Page Count	Language	ISBN 10	ISBN 13
The Percy Jackson and the Olympians: Ultimate Guide	Rick Riordan	It's the handbook no half-blood should be without: a fully illustrated, in-depth guide to gods, monsters, and all things Percy.	False	0	en	1423121716	9781423121718
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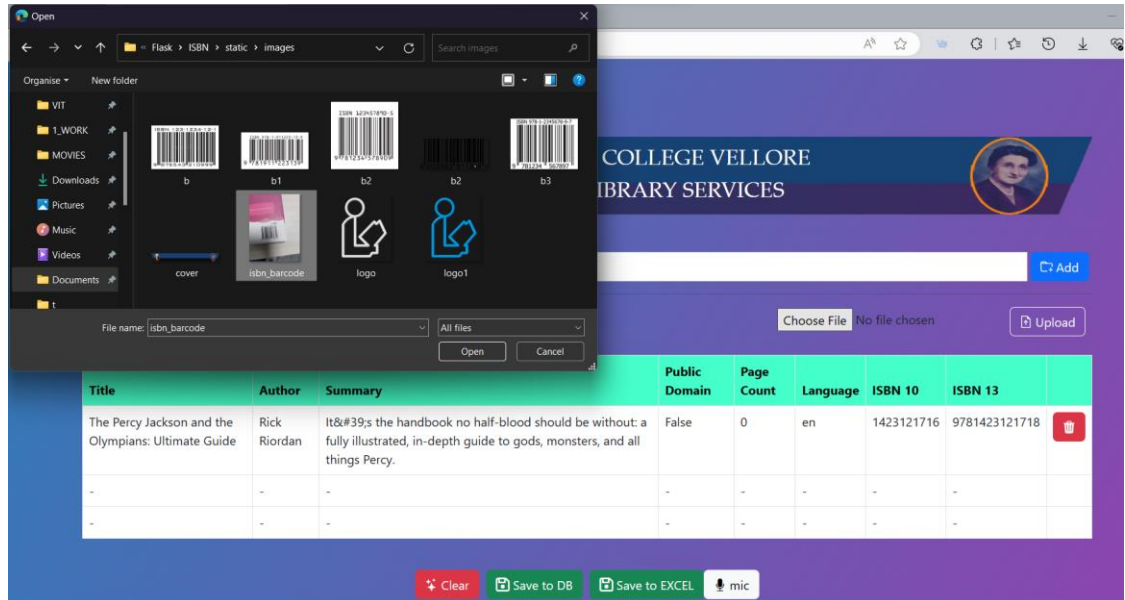
Clear Save to DB Save to EXCEL mic

- It provides the details namely TITLE, AUTHOR, SUMMARY, PUBLIC DOMAIN, PAGE COUNT, LANGUAGE, ISBN-10, ISBN-13 from the free Google Books API

<https://www.googleapis.com/books/v1/volumes?q=isbn:>

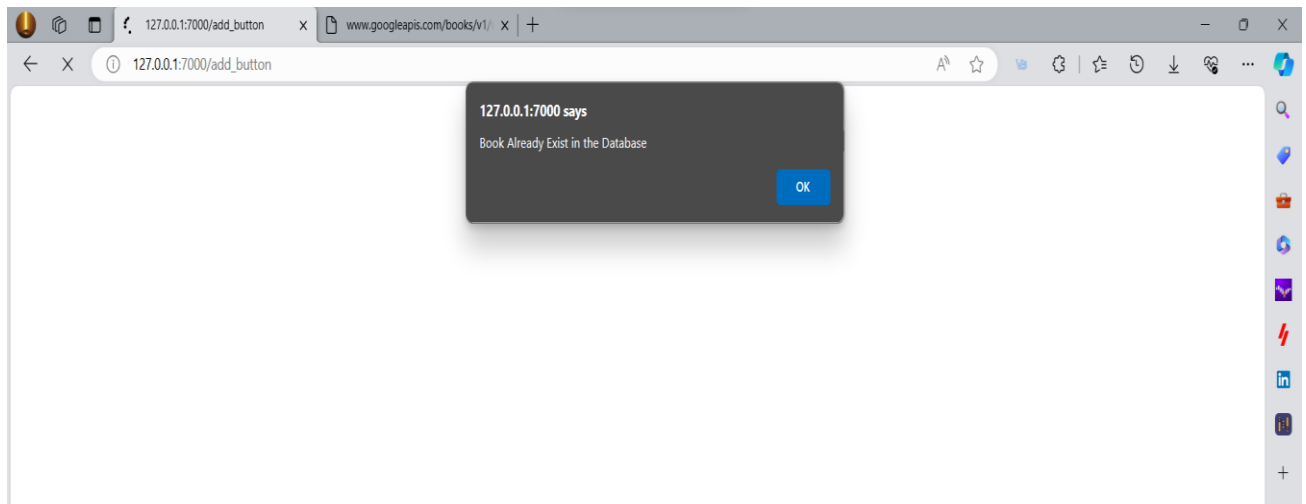
- You can Save to Database and Save to Excel Sheet from the website. As it can stored in the database and save it as an Excel Sheet file in user's PC.

- You can add the ISBN number as an Image format or scan the number using barcode reader Gun.



- You can remove the details of a specific book individually by clicking REMOVE BUTTON.
- You can clear the details of all the books, by clicking CLEAR BUTTON.
- If the detail of the specific book is already stored in the database, User gets a JavaScript Alert Message.

**“BOOK ALREADY EXISTS IN THE DATABASE”**



#### **4. HTTP ERROR ON THE WEBSITE**

- If the User gets “TOO MANY REQUESTS” alert message while adding the ISBN Number.
- This Error occurred because of the Quota Exceeded in the provided API link.
- It can be happened because of Too many Data transferred from the API as such.

#### **5. VOICE RECOGNITION**

- You can access CLEAR, SAVE TO DATABASE, SAVE TO EXCEL BUTTONS on the website.
- You can access these functions by clicking on Mic Button only.
- You can't add the details of the books using Mic Button.

**This Website created by LIKULEASH with the help of Senior Programmers and Trainee in the Chips Department of CMC Ranipet.**