
BOOKMARK COLLECTOR

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0.1 Problem Statement

Browser based bookmarks are not accessible outside the browser and are unsorted, which makes it hard for user to keep track of the work.

0.2 Introduction

The Desktop Application keeps track of the users work by storing it in database and makes it accessible through different categories. User have to click on the extension in the browser and specify the category and it gets stored in the database. User don't need to open the browser or search history for accessing records they can access their work by clicking on the links stored in the application.

0.3 highlights of the project

Hello There

Title :

URL :

Category :

```
C:\Windows\system32\cmd.exe - sqlite3 Browser.db
sqlite> select * from bookmark;
Sno      TITLE                                     URL
-----
1        Python Tkinter Listbox                   https://www.tutorialspoint.com/python/tk_listbox.htm
2        Hyperlinks - Overleaf, Online LaTeX Editor https://www.overleaf.com/learn/latex/Hyperlinks
3        Hyperlinks - Overleaf, Online LaTeX Editor https://www.overleaf.com/learn/latex/Hyperlinks
4        SQLite3 Library for ESP8266 Arduino core - Everything ESP8266 https://www.esp8266.com/viewtopic.php?f=8&t=18603
5        NodeMcu -- An open-source firmware based on ESP8266 wifi-soc. https://www.nodemcu.com/index_en.html
6        Processing.org                           https://processing.org/
sqlite>
```

| tk | | |
|----|---|--|
| 1 | Python Tkinter Listbox | https://www.tutorialspoint.com/python/tk_listbox.htm |
| 2 | Hyperlinks - Overleaf, Online LaTeX Editor | https://www.overleaf.com/learn/latex/Hyperlinks |
| 3 | Hyperlinks - Overleaf, Online LaTeX Editor | https://www.overleaf.com/learn/latex/Hyperlinks |
| 4 | SQLite3 Library for ESP8266 Arduino core - Everything ESP8266 | https://www.esp8266.com/viewtopic.php?f=8&t=18603 |
| 5 | NodeMcu -- An open-source firmware based on ESP8266 wifi-soc. | https://www.nodemcu.com/index_en.html |
| 6 | Processing.org | https://processing.org/ |
| 7 | Weekly Report template (1) - Online LaTeX Editor Overleaf | https://www.overleaf.com/project/5c8f29978224fd3e7945b1c |

0.4 significance

Browser-Extension based Desktop application will keep track of users work and differentiates into categories offline.

0.5 SMART Goals

1. **Specific:** The task was aimed at making the process of finding the bookmarks easy and simple from a various bookmarks saved in the browser history offline/online.
2. **Measurable:** Development of the application requires communication with the browser and stores the data.
3. **Actionable:** The extension communicates to the database through XAMPP server and updates the data when extension is clicked.
4. **Realistic:** In the backend PHP takes data through HTML and stores it in the Database and the Database is accessed by desktop application and displayed.
5. **Time-Based:** This project took almost 48 hours.

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0.6 Raspberry Pi Project - Weather Station

This project displays the Weather details of a city using openweathermap api and an 20x4 LCD Display compatible with Hitachi HD44780 driver. Raspberry Pi connects with openweathermap API and Displays the Data Through LCD Display.

0.7 References

1. <https://developers.chrome.com>
2. <http://simplehtmldom.sourceforge.net/manual.html>
3. https://www.tutorialspoint.com/php/php_dom_parser
4. <https://www.youtube.com>
5. <https://www.w3schools.com>
6. <https://openweathermap.org/>