# DBMS mini project Personal book management system

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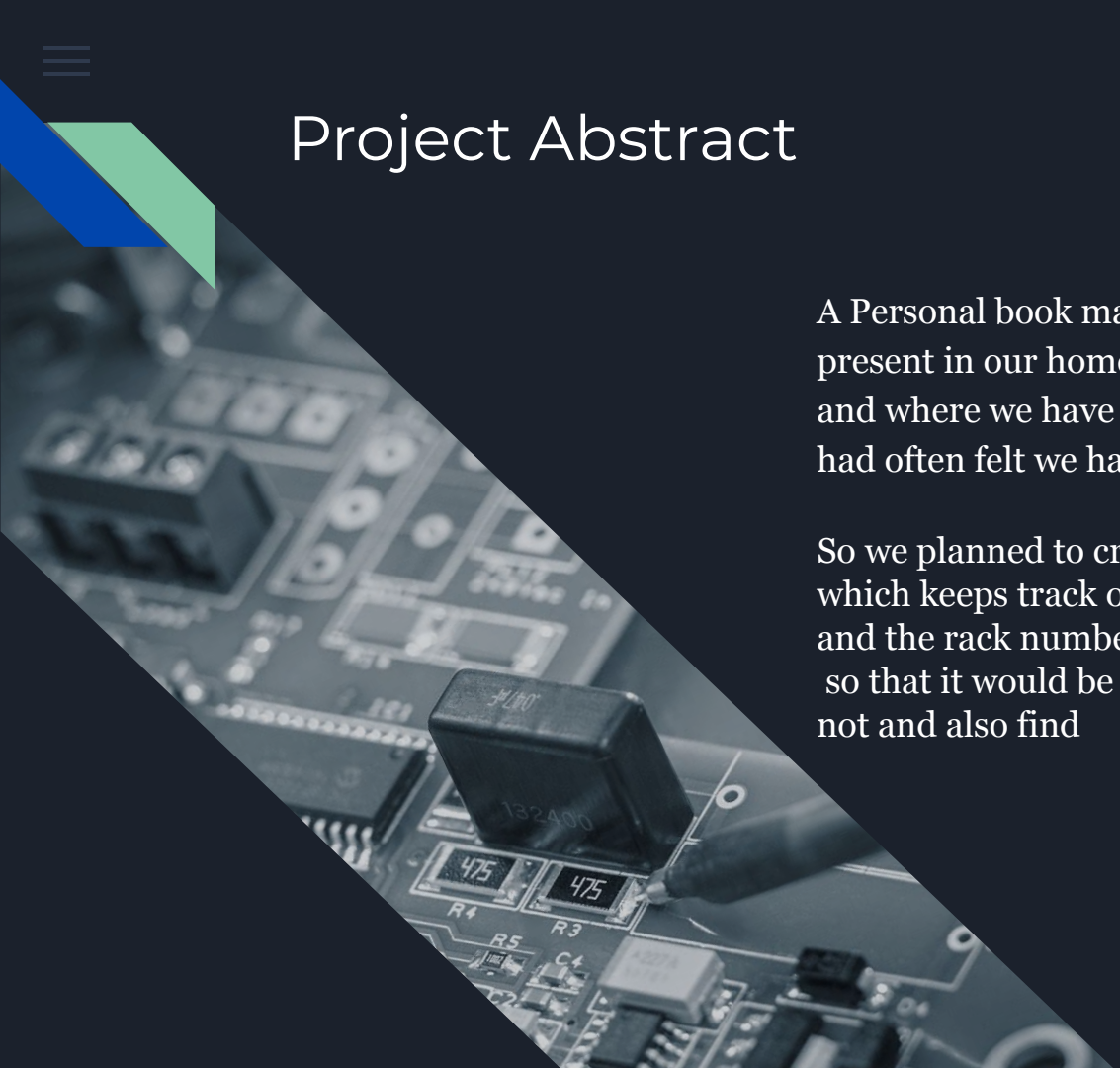
# Project Abstract



A Personal book management system keeps track of the books present in our home shelves. We often forget the books we have and where we have arranged it , sometimes even if had it. We had often felt we had one organiser to remind all these.

So we planned to create a personal organising book system which keeps track of the books we have with the author name and the rack number where we have kept
so that it would be easy for us to check if we have the book or not and also find

# Understanding the methods

01

**add_book()**
This module helps us to add the books. that is, in the database it adds the record for a book.
CREATE TABLE IF NOT EXISTS books(NAME TEXT,rack_no INTEGER,main TEXT,author TEXT,publications TEXT);

02

**delete_book()**
This module helps us to delete  the existing books. that is, in the database it removes the record for the book.
CREATE TABLE IF NOT EXISTS books(DELETE FROM bookS WHERE rack_no=?);  [ where ? reserves a space for  a value ]

03

**update_info()**
This module helps us to update of the existing books if  any details are wrong. , in the database it updates any particular value of an attribute.
UPDATE bookS SET NAME=?,rack_no=?,main=?,author=?,publications=? where
rack_no=?",(book_name.get(),int(rack_no.get()),main.get(),author.get(),publications.get(),int(rack_no.get()))

# Understanding the methods

04

**verifier()**
The method verify is used to verify if all the values in the attribute as specified and the conditions are satisfied And if no attribute column is given an Empty if the attribute columns are given empty it prompts  us to enter the right number of values

05

**connection()**
The method connection is used to check whether the program could be connected to the database prompts us that it cannot be connected to the database

06

**clse()**
The method clse() is used to close the tkinter terminal as well as to exit from the main program

# TKINTER

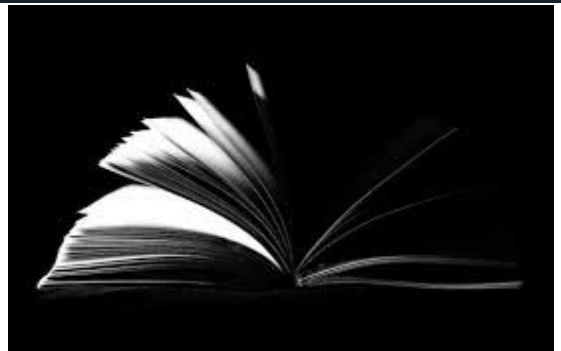
Tkinter is the standard GUI library for Python. Python when combined with Tkinter provides a fast and easy way to create GUI applications.The tkinter package (“Tk interface”) is the standard Python interface to the Tk GUI toolkit.
import tkinter as tk()


# SQLite3

**SQLite3** can be integrated with **Python** using **sqlite3** module - import sqlite3
DB Browser for sqlite is required to import the functionality of sqlite3 and bring connectivity to our Python code and database
Eg :
conn=sqlite3.connect("book.db") is used to connect our python code to database

# Advantages of Personalized Book Management System

- We don't have to remember what are the books we have every time since we have a record of it in the database
- Since we have given the rack number it would be easy for us to take the book when required .
- Irrespective of the place we are staying we can keep track of the books which we have and which should be easy for us to check if it's there or not
- Since we have the details of the publisher and author it would be easy for us to select the books we need.



# Thank you!

https://github.com/PunithKumarbg/Database-Management-system.git