LIBRARY DATABASE MANAGEMENT: ACTION PLAN

2 types of users.

ADMIN and STUDENT

Both can login with their respective Passwords.

ADMIN can:

1.
   Update:
   a. **Add /Delete a Book**:
   To add a new book
   it will take Title , ISBN, Price, Label, Year, Quantity,Author Name and License,Publisher,Country, Since,Type.
   It will update the following tables:
   1. Publication
   2. Author(If the Author is new)
   3. Book
   4. Writes in (If author and category is new combinely)
   5. Book_Type
   6. Written_By.

   To add quantity of an already existing book.

   It will take : ISBN and Book Name.It will update the following tables:

   1. Book

   To delete a book

   It will take ISBN and delete all the books with that ISBN. This action will take place only if no student has issued that book.

   It will update:

   1. Publication
   2. Book
   3. Book_Type
   4. Written_By

   b. **Add /Remove a Student**

   2. **Query:**

1. View details of all Books.
2. View books of a Specific Author
3. View Books of a specific Publisher
4. View List of Student who have borrowed Books and their Contact No.
5. View details of Authors of a specific book.
6. View each table with a filter choice.
   I.   Categories (No Filter)
   II.   Publication(Filters : Country)
   III.   Author(Filters: Country)
   IV.   Student(No Filters)
   V.   Stud_Cont(Filter : Roll No and Contact_No.)
   VI.   Book(Filters:Year,Label)
   VII.   Writes_In(Filters: License_No,CiD)
   VIII.   Book_Type(Filter: CiD ,ISBN)
   IX.   Borrowed_By(Filters : Roll_No,ISBN)
   X.   Written_By(Filter: ISBN,License_No)
3. **<u>Change his Password.</u>**

A Student can:

1. View Books with filters : year,Author,Label,Type.
2. View Books issued by him.
3. Return some / all books issued by him.
4. Issue a Book
5. Change his Password
6. Log out