

CREATO HACKATHON 2018

SAMPLE PROBLEM STATEMENT

Library Management System

Today's real world problem for any Institute/University is managing its Library flawlessly. Students must take challenge of Library Management System and develop software which can be used to manage the catalog of a library. This will be a great way to keep the records of whole transactions of the books available in the library.

Library Management System developed must be very easy to use and shall fulfill all the requirements of a librarian. There should be many features which help librarian to keep records of available books as well as issued books. This software shall be prepared in **web-based** mode.

Expected Outcome:

Library Management System software developed must offer below mentioned features:

- ✓ Keep record of different categories like; Books, Journals, Newspapers, Magazines, etc.
- ✓ Keep record of complete information of a book like; Book name, Author name, Publisher's name, Date/ Year of publication, Cost of the book, Book purchasing date/ Bill no., etc.
- ✓ Classify the books subject wise.
- ✓ Easy way to enter new books.
- ✓ Easy way to make a check-in/check-out.
- ✓ Different criteria for searching a book.
- ✓ Easy way to know how many books are issued to a particular student.
- ✓ Automatic fine calculation for late returns.
- ✓ Easy way to know the availability status of a book.
- ✓ Different kind of reports like; total no. of books, no. of issued books, no. of journals, etc.