Project Proposal

Project Name:

Online Library Management System - ASP.NET + C# + SQL Server

Abstract:

Today most of the library is using either manual system for tracking the day to day activity or they are using desktop, stand-alone system to manage the day to day activity. In this proposed Online Library Management System it will run in internet or intranet and user can online check the book availability, they can search the books, library staff can issue, receive book, and management can check the report from different location via internet. It can be used multi location also as it can be hosted in central location. The online Library Management System is used to overcome the entire problem which they are facing currently, and making complete atomization of manual or semi automatic process of library management system.

Advantages

Provides complete web based solution, an enhanced atomized online system is developed to maintain Books, Authors, Publishers, Managing Library Members, Issuing and Receiving Books, calculate late fine, collecting the Fine, and maintain the history of transaction.

Project Scope:

From an end-user perspective, the Library Management System Project consists of two functional elements: an enhanced searchable database for the search books, managing library members, issuing and receiving books and a report generation system:

- **Search Books, Managing Library Members, Issuing and Receiving Books**: An enhanced atomized online system is developed to maintain Books, Authors, Publishers, Managing Library Members, Issuing and Receiving Books, calculate late fine, collecting the Fine, and maintain the history of transaction.
- **Report Generation**: A Report Generation system will be developed for the user and management of Library Management System. This MIS system will have both details and summary type reports for analysis the transaction, members, available books in stock

Modules:

Login, Home Page, Search User, New User, Change Password, Search Books, Book Master, Author Master, Publishers, Search Member, Member Master, Search Library Card, Library Card Master, Library Transaction [Issue and receive of book], Reports, etc.

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Software Requirements:

- ASP.Net, C#
- Visual Studio 2010 / 2012 / 2015 or Higher
- SQL Server 2008 / 2014 or Higher

Hardware Requirements:

Processor: Preferably 3.0 GHz or Greater.

RAM : 1 GB or Greater.

Limitations of the Software:

This project was developed to fulfill user requirement; however there are lots of scope to improve the performance of the Online Library Management System in the area of user interface, database performance, and query processing time. Etc.

Future Enhancements:

- SMS and Email alert for late notification.
- Integration with other legacy accounting database through Web Service.

Project Details:

- No of Form, Pages, Reports in project source : **36**
- No of database tables : **12**
- No of pages in project report : **120**

Project Demo:

https://youtu.be/VU27POoHBZw

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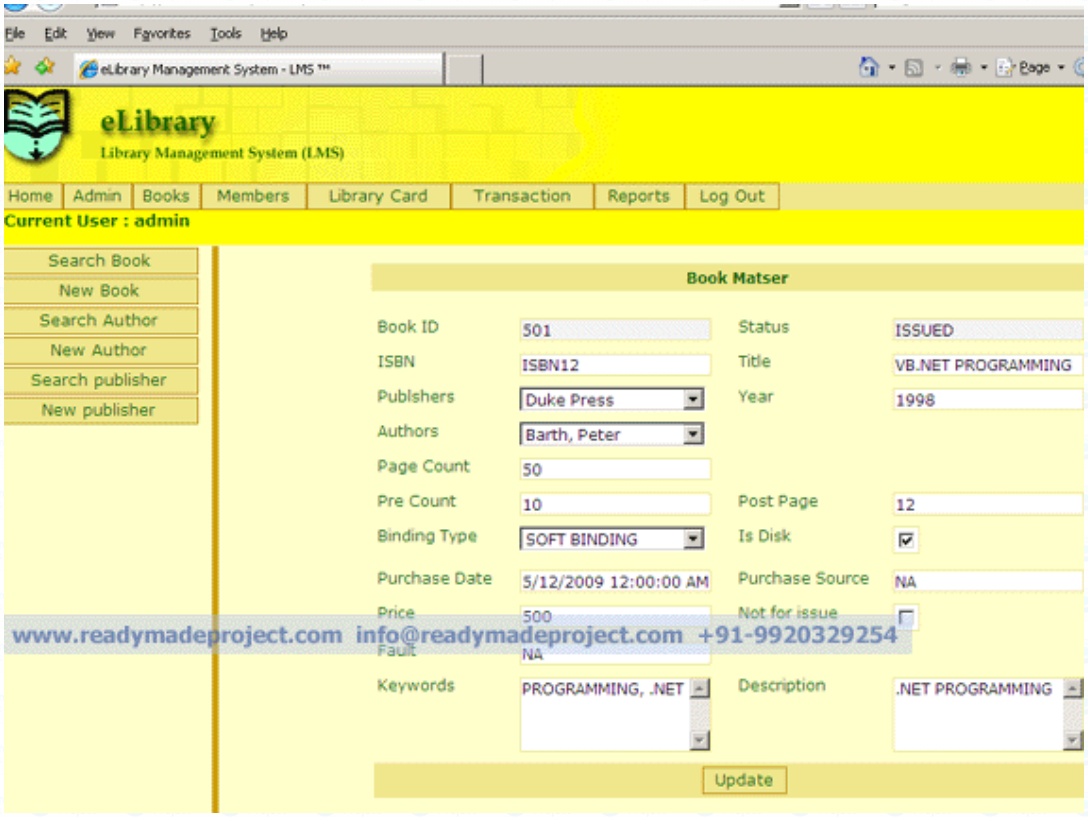

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