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Online Library Management System

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ABSTRACT:
The main purpose of the application is to develop a system that manages the resources of a library. The aim is to supply functionalities that permit users to access the knowledge related to a library. This can be an integrated system that contains each the user element and also the Librarian element. The projected system maintains a centralized repository knowledge using that one will access the specified information in an exceedingly convenient manner. The system provides facilities to search out details of books and magazines, to register books, to cancel registrations and different activities. The system incorporates the main points associated with authors and publishers furthermore.

Keywords: Library, User, Librarian.

I. INTRODUCTION

A library is a collection of sources of information and similar resources, made accessible to a defined community for reference or borrowing. It provides physical or digital access to material, and may be a physical building or room, or a virtual space, or both. A library's collection can include books, periodicals, newspapers, manus cripts, films, maps, prints, documents, microfo rm, CDs, cassettes, videotapes, DVDs, Blu-ray Discs, audio books, databases and other formats. Libraries range in size from a few shelves of books to several million items.

A library is organized for use and maintained by a public body, an institution, a corporation, or a private individual. Public and institutional collections and services may be intended for use by people who choose not to—or cannot afford to—purchase an extensive collection themselves, who need material no individual can reasonably be expected to have, or who require professional assistance with their research. In addition to providing materials, libraries also provide the services of librarianswho are experts at finding and organizing information and at interpreting information needs. Libraries often provide quiet areas for studying, and they also often offer common areas to facilitate group study and collaboration. Libraries often provide public facilities for access to their electronic resources and the Internet.

Modern libraries are increasingly being redefined as places to get unrestricted access to information in many formats and from many sources. They are extending services beyond the physical walls of a building, by providing material accessible by electronic means, and by providing the assistance of

librarians in navigating and analyzing very large amounts of information with a variety of digital resources. Libraries are increasing becoming community hubs where programs are delivered and people engage in lifelong learning. As community centers, libraries are also becoming increasingly important in helping communities mobilize and organize for their rights. The relationship between librarianship and human rights works to ensure that the rights of cultural minorities, immigrants, the homeless, the disabled, LGBTQ community, and other marginalized groups are not infringed upon as protected in the Universal Declaration of Human Rights.

The present system manages all library data across ledgers and files. Maintenance all knowledge associated with books, borrowers and librarians is finished manually mistreatment typical procedures. These ways don't seem to be effective and cause misdirection of knowledge. it's troublesome for a user to envision the provision of a book and to create reservations.

The planned system maintains a centralized repository mistreatment that one will access the desired information during a convenient manner. The system provides facilities to search out details of books and magazines, to register books, to cancel registrations and alternative activities. The system incorporates the main points associated with authors and publishers also.

II. MODULES

This application consists following modules.

1. Librarian Module
2. Faculty Module
3. Student Module

1. Librarian module:

The librarian is the administrator who manages the application. Librarian can add, delete, edit and update details of books. As soon as a reservation is made for a particular book, an automatic mail should be sent to the person who made the reservation about the details. Then, a mail should be sent to people who are having the book currently, stating a reservation has been made on that book.

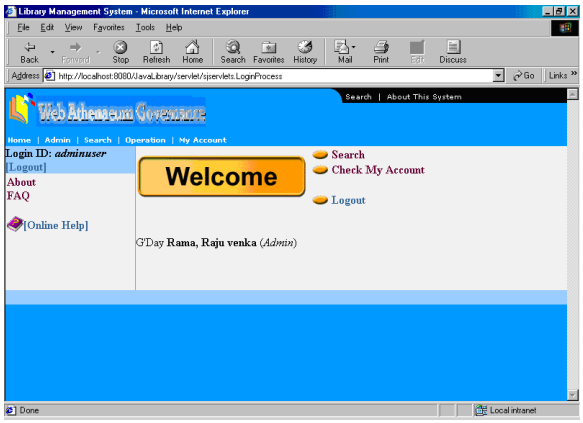
2. Faculty module:

Faculty should be able to login to the system and change the password. Faculty should see the status of the books/journals borrowed/reserved by him and the respective due dates and other relevant details. Faculty can search for a particular book/journal based on the name of the book/name of the author/subject/etc and also list for books/journals based on the nameof the author/subject etc. Faculty can place requests for purchasing new books to the library, by giving details about the name of the book, name of the author, publisher. Faculty can see who has borrowed a particular book/journal and when is the due date for the same. Faculty can cancel the reservation made earlier for a particular book/journal. Faculty can reserve a particular book/journal borrowed by others currently.

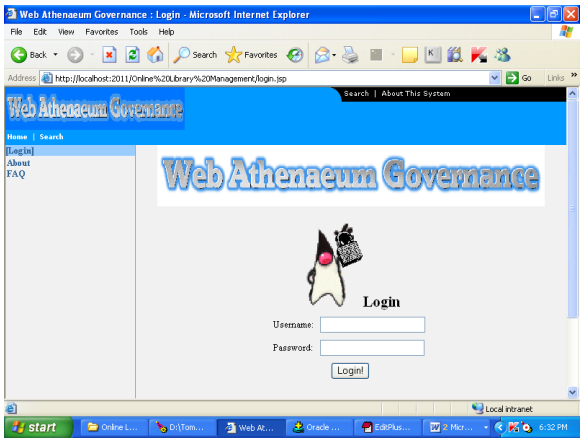
3. **Student module:**

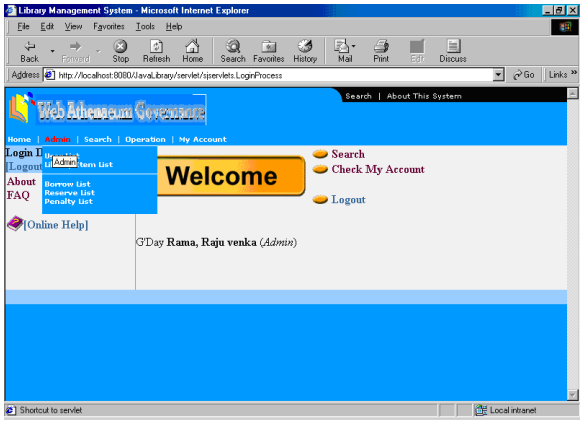
A student should be able to login to the system through the first page of the application and change the password after login into

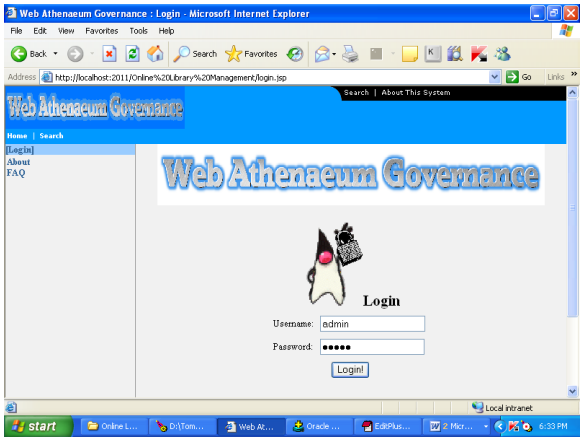
the system. A student can view the status of the books and journals borrowed or reserved by him and the due dates. Students can search for a particular book or journal based on the name of the book or name of the author or subject. Students can cancel the reservation made earlier for a particular book/journal Students can reserve a particular book.

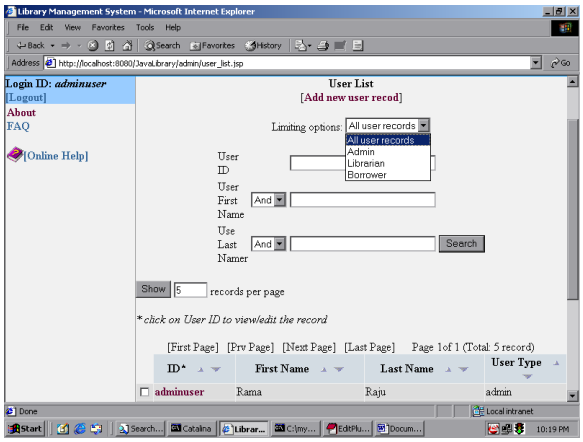


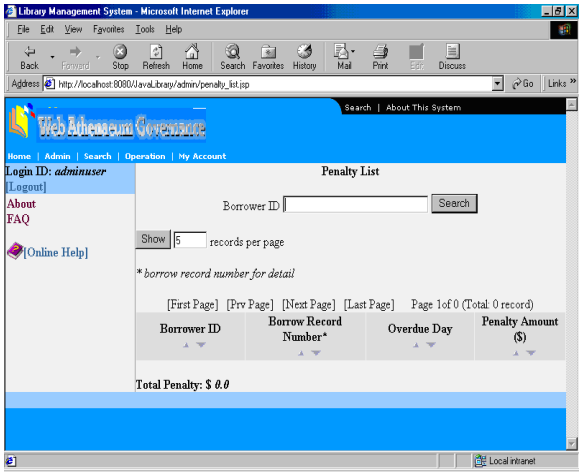
RESULTS

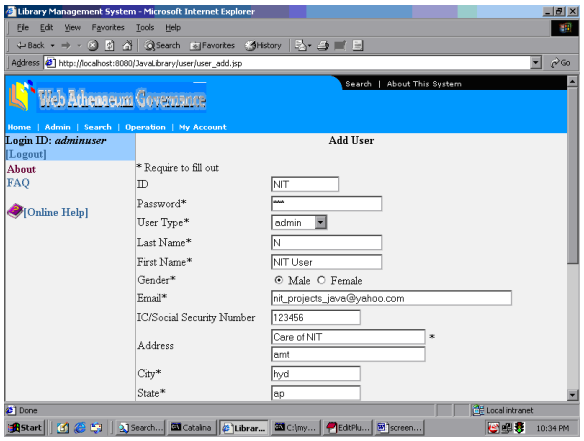


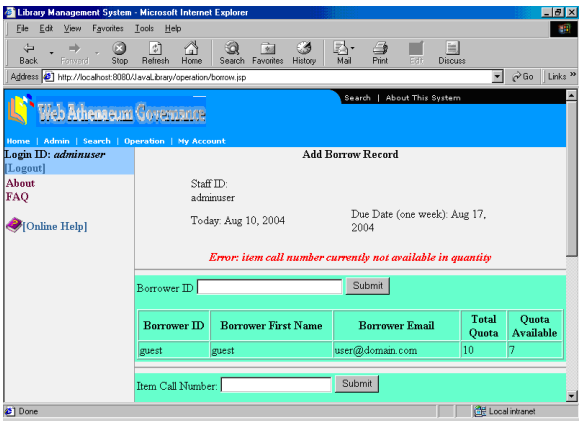


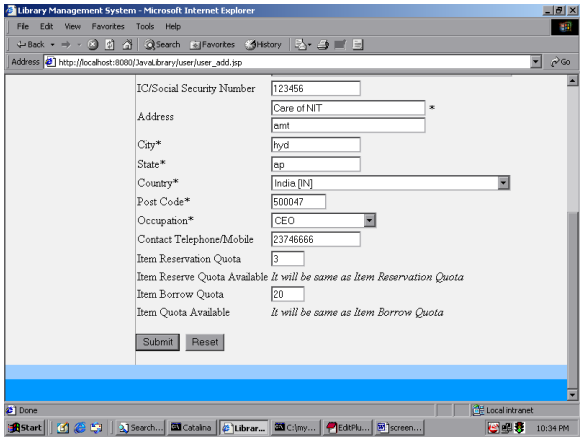


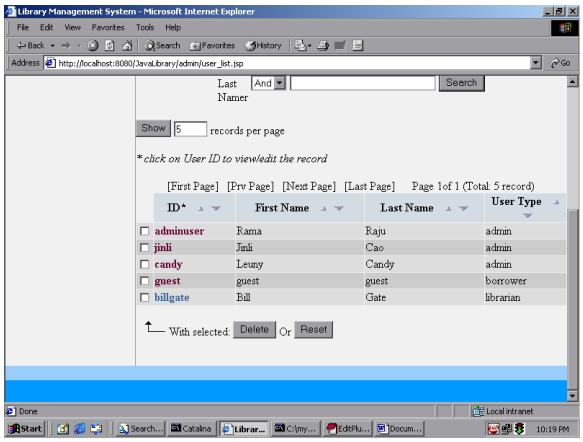


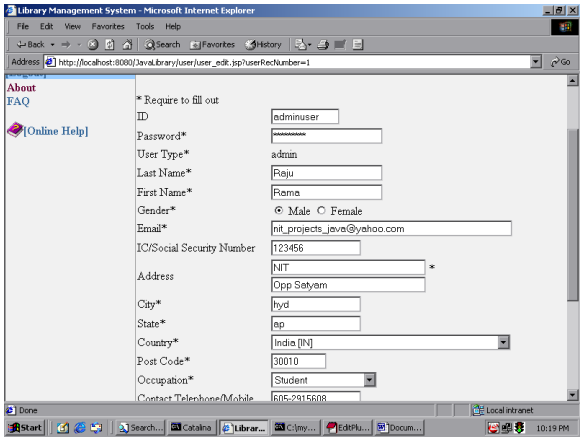

Library Management System - Microsoft Internet Explorer
Penalty List
Borrower ID
Search
Show 5 records per page
* borrow record number for detail
[First Page] [Prv Page] [Next Page] [Last Page] Page 1of 0 (Total: 0 record)
Borrower ID
Borrow Record Number*
Overdue Day
Penalty Amount ($)
Total Penalty: $ 0.0

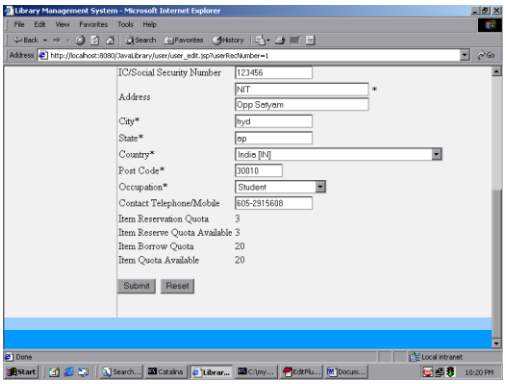

Library Management System - Microsoft Internet Explorer
Add User
* Require to fill out
ID
Password*
User Type*
Last Name*
First Name*
Gender*
Email*
IC/Social Security Number
Address
City*
State*

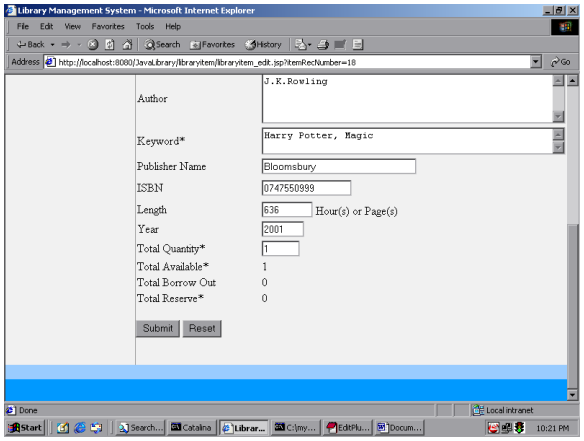

Library Management System - Microsoft Internet Explorer
Add Borrow Record
Staff ID:
adminuser
Today: Aug 10, 2004
Due Date (one week): Aug 17, 2004
Error: item call number currently not available in quantity
Borrower ID
Submit
Borrower ID
Borrower First Name
Borrower Email
Total Quota
Quota Available
guest
guest
user@domain.com
10
7
Item Call Number:
Submit

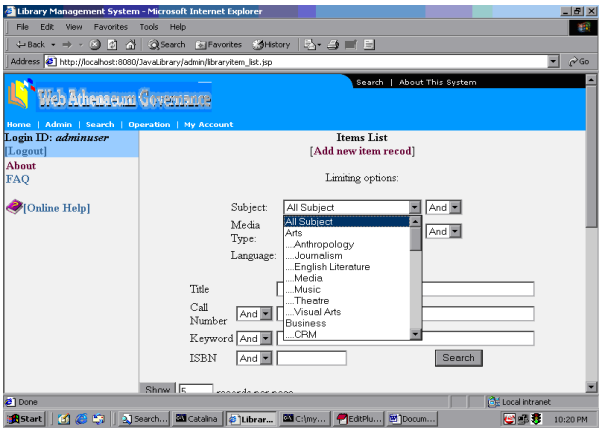

Library Management System - Microsoft Internet Explorer
IC/Social Security Number
Address
City*
State*
Country*
Post Code*
Occupation*
Contact Telephone/Mobile
Item Reservation Quota
Item Reserve Quota Available
Item Borrow Quota
Item Quota Available
Submit
Reset

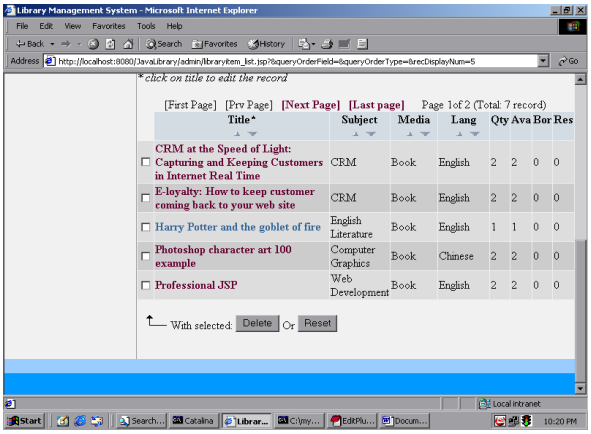

Library Management System - Microsoft Internet Explorer
Search
Show 5 records per page
* click on User ID to view/edit the record
[First Page] [Prv Page] [Next Page] [Last Page] Page 1of 1 (Total: 5 record)
ID*
First Name
Last Name
User Type
adminuser Rama Raju admin
jinli Jinli Cao admin
candy Leuny Candy admin
guest guest guest borrower
billgate Bill Gate librarian
With selected Delete Or Reset

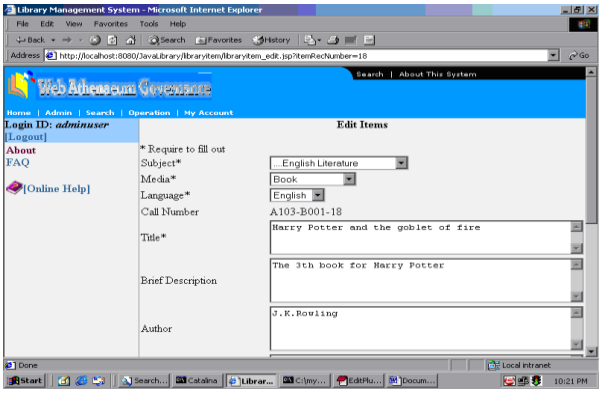

Library Management System - Microsoft Internet Explorer
* Require to fill out
ID
Password*
User Type*
Last Name*
First Name*
Gender*
Email*
IC/Social Security Number
Address
City*
State*
Country*
Post Code*
Occupation*











III. CONCLUSION

In this project we have proposed system maintains a centralized repository of information using which one can access the required information in a convenient manner. The system provides facilities to find details of books and magazines, to register books, to cancel registrations and other activities. The system incorporates the details related to authors and publishers as well.

IV. REFERENCES

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[6] https://www.coursera.org/
[7]www.w3schools.com
[8] http://www.javaworld.com/
[9] http://www.mkyong.com/