Assignment II
University Library System

1. Admin User Interface

It is required to write a Java program with Swing interface to perform all the functions of the library system of an educational institute (e.g. university). The library has an admin and librarian. The admin can add, view, and delete librarians through the following user interfaces.

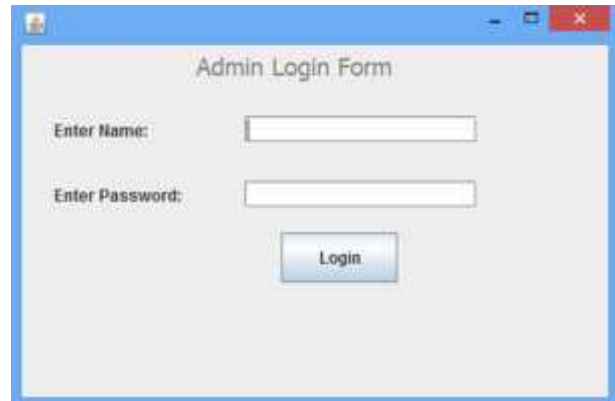*Prof.Dr. Layla Abo Hadeed*
Dr. Mohamed kholief

Eng. Rania Ismail
Eng. Ahmed Shokry
Eng. Salma Mostafa

Eng. Khaled Ismail
Eng. Ahmed Elsayed
Eng. Hagar Nassar

Message

Librarian added successfully!

OK

Admin Section

Add Librarian

View Librarian

Delete Librarian

Logout
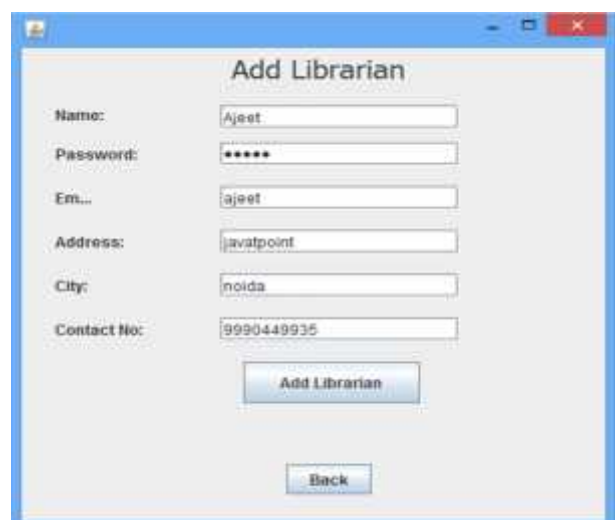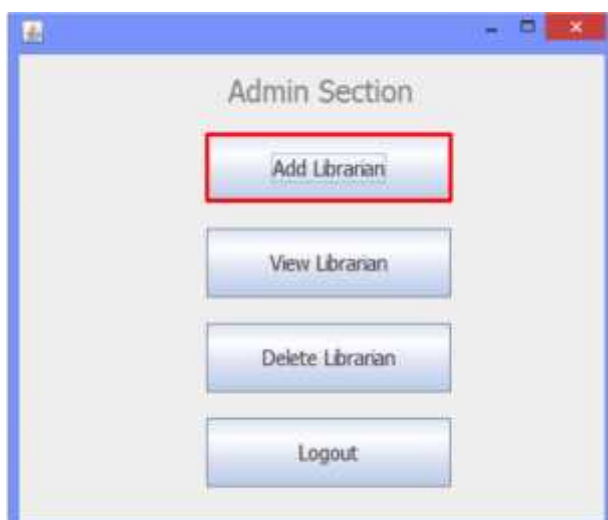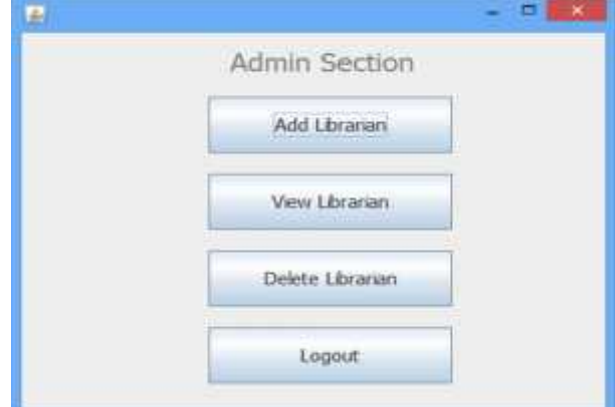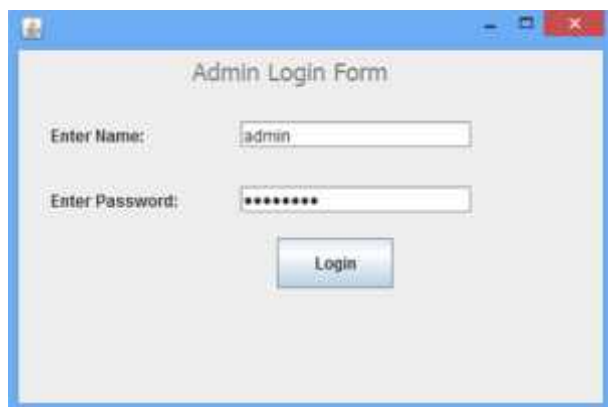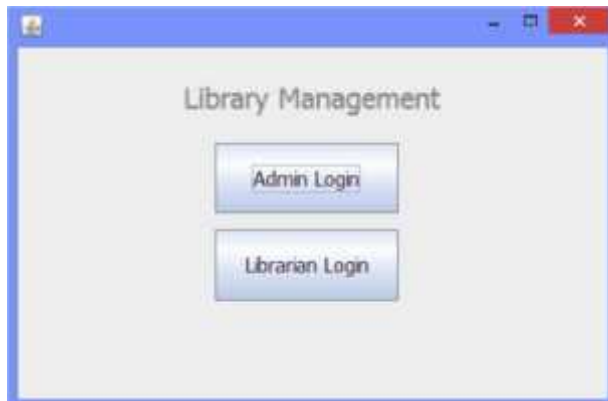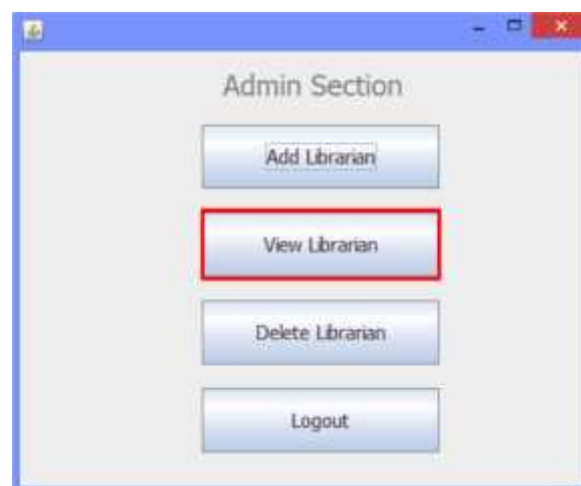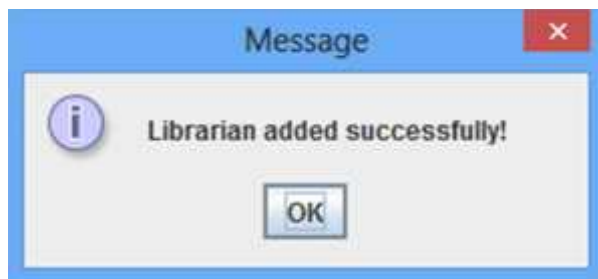
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1	Prabhakar	ppp	prabhakar@gm...	javatpoint	noida	9998328238
4	sumedh	sumesh	sumesh@gmai...	Kuch Bhi	noida	93823932823
6	abhi	abhi	abhi@gmail.com	javatpoint	noida	92393282323
7	Ajeet	ajeet	ajeet	javatpoint	noida	9990449935

Admin Section

Add Librarian

View Librarian

Delete Librarian

Logout

Librarian Section

Add Books

View Books

Issue Book

View Issued Books

Return Book

Logout

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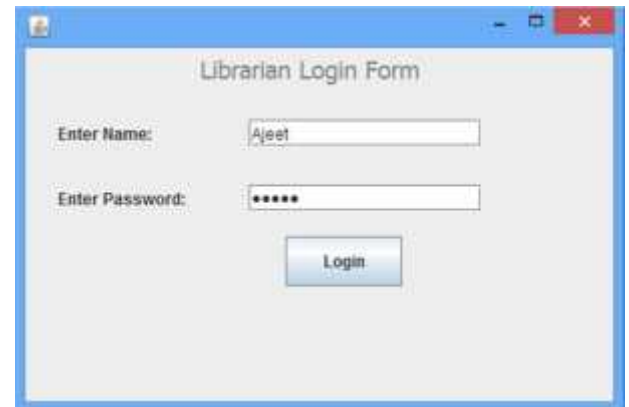*Eng. Salma Mostafa*   *Eng. Hagar Nassar*
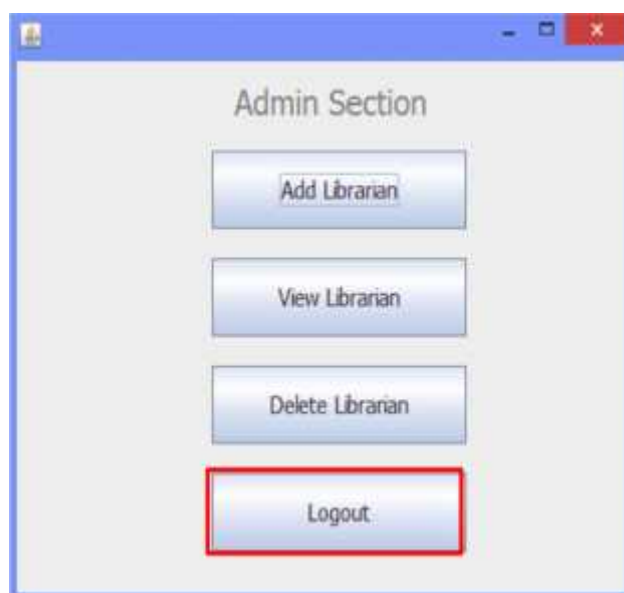
2. Librarian User Interface

On the other hand, the librarian can (1) add and view books. (2) issue books. (3) View issued books. (4) Return Books. He can use the following interfaces.

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Librarian Section

- Add Books
- View Books
- Issue Book
- View Issued Books
- Return Book
- Logout

id	bookcallno	studentid	studentname	studentcontact	issueddate
4	A@4	23	kk	932992932	2016-07-20 00:13.
6	A@4	335	Sumedh	95676565756	2016-07-20 00:14.
7	A@4	87	abhishek	9329882382	2016-07-20 00:16.
8	K@8	100	Vimal	9990449936	2016-07-20 01:38.

Librarian Section

- Add Books
- View Books
- Issue Book
- View Issued Books
- Return Book
- Logout

Return Book

Book Callno: K@4

Student Id: 100

Return Book

Back

Note: Check the book properly!

Message

(i) Sorry, unable to return book!

OK

Message

(i) Book returned successfully!

OK

Librarian Section

- Add Books
- View Books
- Issue Book
- View Issued Books
- Return Book
- Logout

Library Management

- Admin Login
- Librarian Login

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3. Requirements

1. It is required to implement a java program for the online library system with the classes for Admin, Librarians, Students, and Books.
2. The front end for your program is required to be implemented using Swing java API.
3. The back end for your program is your choice. A simple files to store the information is enough. Simple is safe.
4. Assignment due date is **Next Saturday.**
5. Assignment is group of two.
6. Please take into consideration that for any function taking an input from the user, you should test the validity of the data presented to it before committing the changes

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