

Address-Book (Online)

A simple yet decent web application project which uses major small and big components of a website.

Using this service users can put their information online and keep it intact. Also in case they want to edit their details or remove their account they can do it any time. Also if a user wants to look for other users and their details, they can do it.

Apart from user the service gives all the privilege of creating, modifying and deleting of user accounts to the “**Administrator**”.

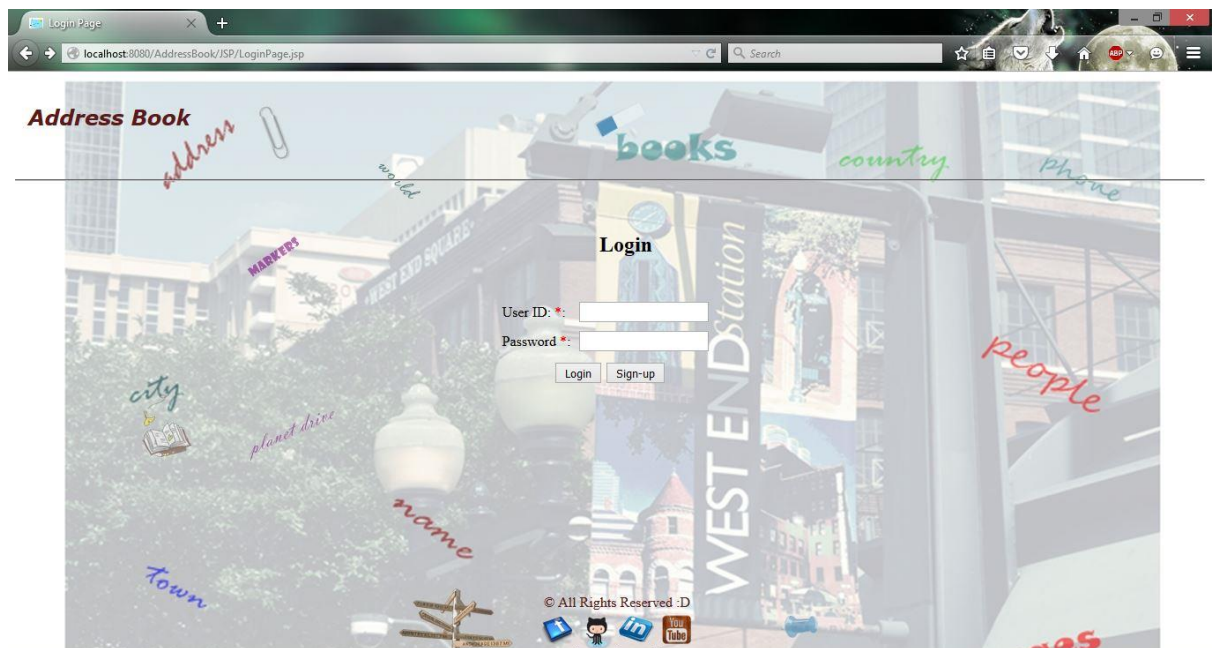
Admin’s user id: **admin**

Admin’s password: **admin**

Once we go through the system its functionality will make sense.

Let’s look what this service has to serve.

1) Login-page:



2. Sign-up:

If a new person comes and want to have an account with the service, he/she can sign-up.

It lets a user to create an account and put his/her details which includes:

- Name
- Gender
- Phone
- Address

These are all basic things.

Also to create an account user has to type a unique user-id and provide a password for log-in.

Address Book

Sign-up (Create an account)

Name *: Bhudev Sahu

User ID *: bhudev

Password *:

Confirm Password *:

Gender: ☒ Male ☐ Female

Phone: 1234567890

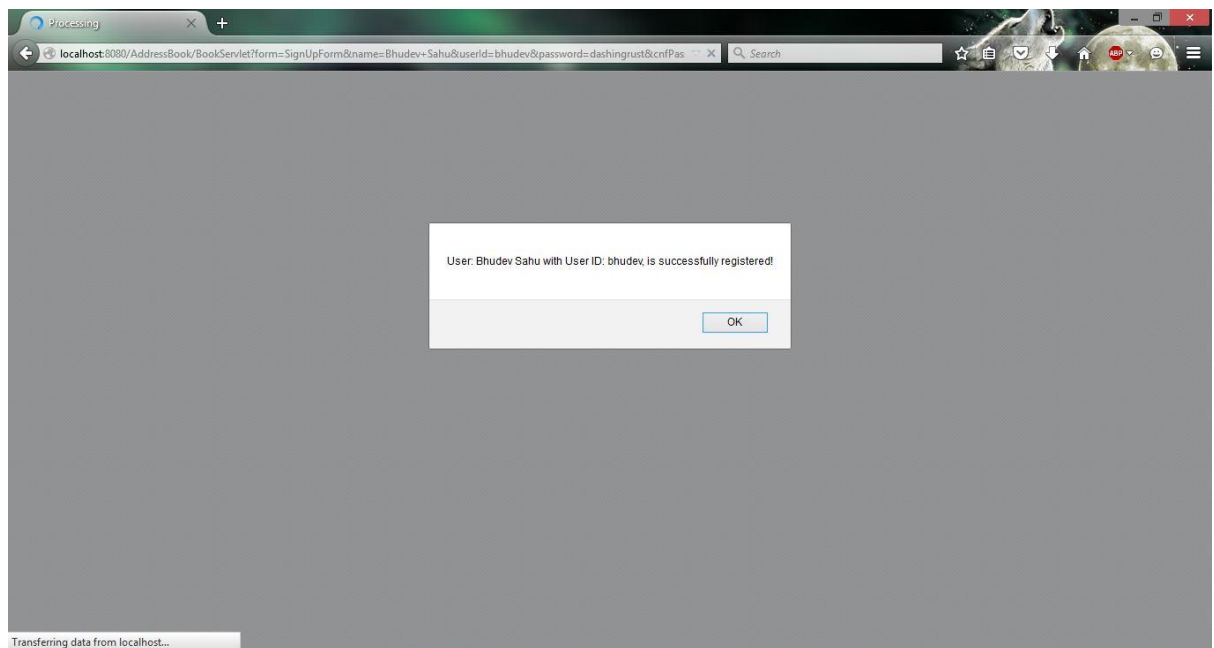
Address *: 123 Abc Street

City *: Boston

Country *: United States

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Sign-up success!

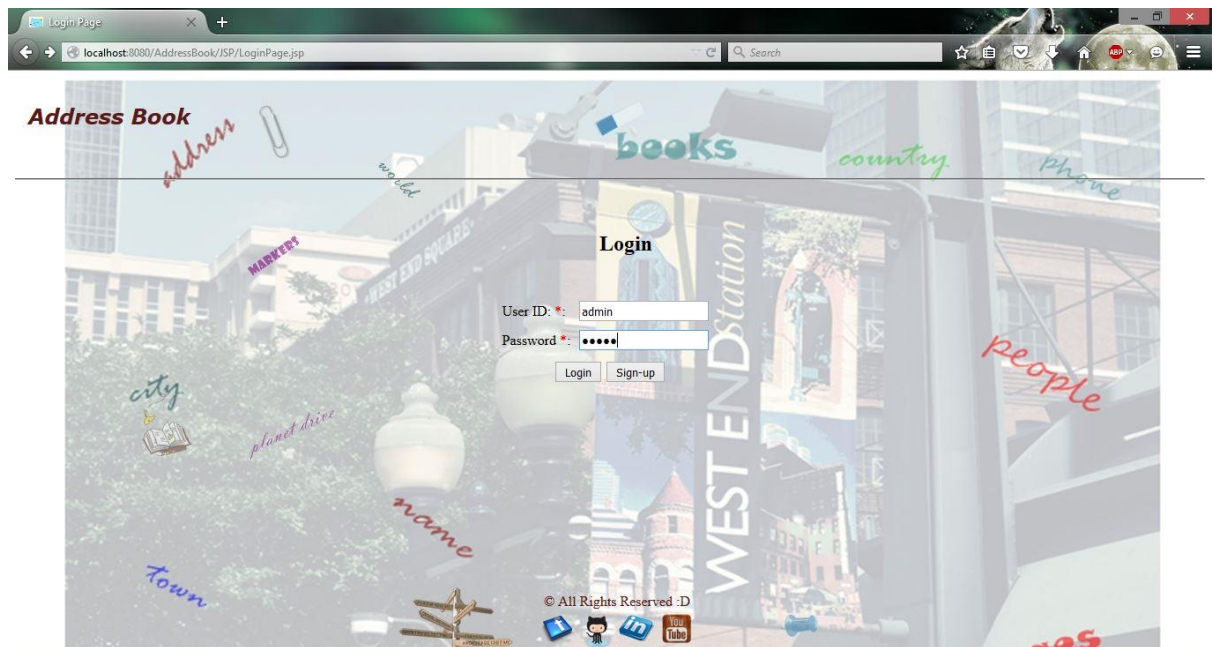


3. Admin login:

Administrator credentials are:

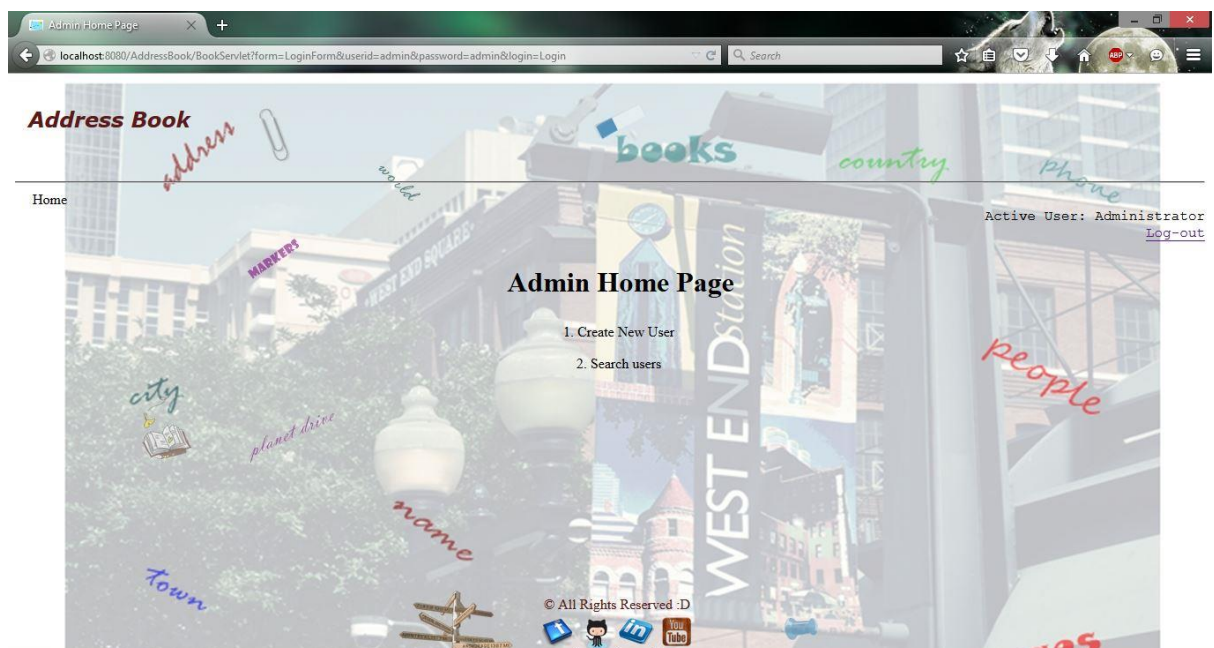
Admin's user id: **admin**

Admin's password: **admin**



4. Admin home page:

Administrator can perform every function for a user which is shown below.



5. Admin - Creating a new user:

Admin creating a new user is very similar to signing up as a new user.

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/AddressBook/ISP/CreateNewUser.jsp'. The page has a background image of a city street with various handwritten-style text overlays in different colors: 'city', 'planet drive', 'name', 'Town', 'MARKETS', 'WEST END SQUARE', 'WEST END Station', 'people', and 'messages'. The form is titled 'Create New User' and contains the following fields: Name *, User ID *, Password *, Confirm Password *, Gender (radio buttons for Male and Female), Phone, Address *, City *, and Country *. There are 'Submit', 'Reset', and 'Cancel' buttons at the bottom of the form. In the top right corner, it says 'Active User: Administrator' with a 'Log-out' link. At the bottom, there is a copyright notice '© All Rights Reserved :D' and social media icons for GitHub, Docker, LinkedIn, and YouTube.

Red marks can't be escaped even here!

This screenshot shows the same 'Create New User' form as the previous one, but with a validation error. A white modal box is centered over the form with the text 'Field marked as * are mandatory fields!' and an 'OK' button. The background image and text overlays are the same as in the previous screenshot. The form fields and buttons are also visible behind the modal.

6. Admin – Locating other users:

Admin can locate others users to perform different operations.

Locate Users

localhost:8080/AddressBook/JSP/LocateUsers.jsp

Address Book

Home

Active User: Administrator [Log-out](#)

Locate Users

Locate a user *: js

Name	User ID	Gender	Phone	Full Address	
Jeffrey Sanders	jSanders@addressbook.com	Male	8138422947	658 Clinton Street, Machylleth, England	<input type="radio"/>
Julie Scott	jScott@addressbook.com	Female	8013003037	684 Chestnut Avenue, Eig, Norway	<input type="radio"/>
Jesse Simmons	jSimmons@addressbook.com	Male	8882558005	663 Washington Avenue, Basingstoke, England	<input checked="" type="radio"/>

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7. Admin - Update a user details:

Admin can update a user details.

Update User

localhost:8080/AddressBook/BookServlet?form=LocateUsersForm&keyword=663&operation=Update&radio=jSimmons%40addressbo

Address Book

Home

Active User: Administrator [Log-out](#)

Update User

User Id: jSimmons@addressbook.com

Name *: Jesse Simmons

Gender: ☒ Male ☐ Female

Phone: 8882558005

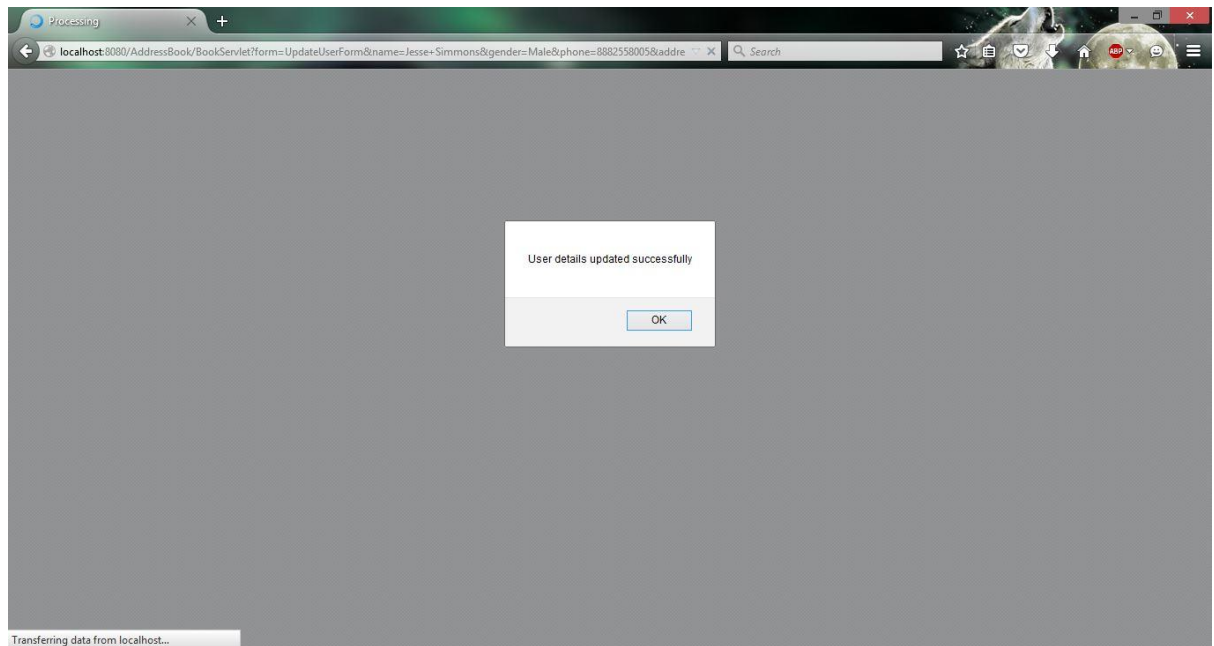
Address*: 663 Washington Avenue

City*: Basingstoke

Country*: England

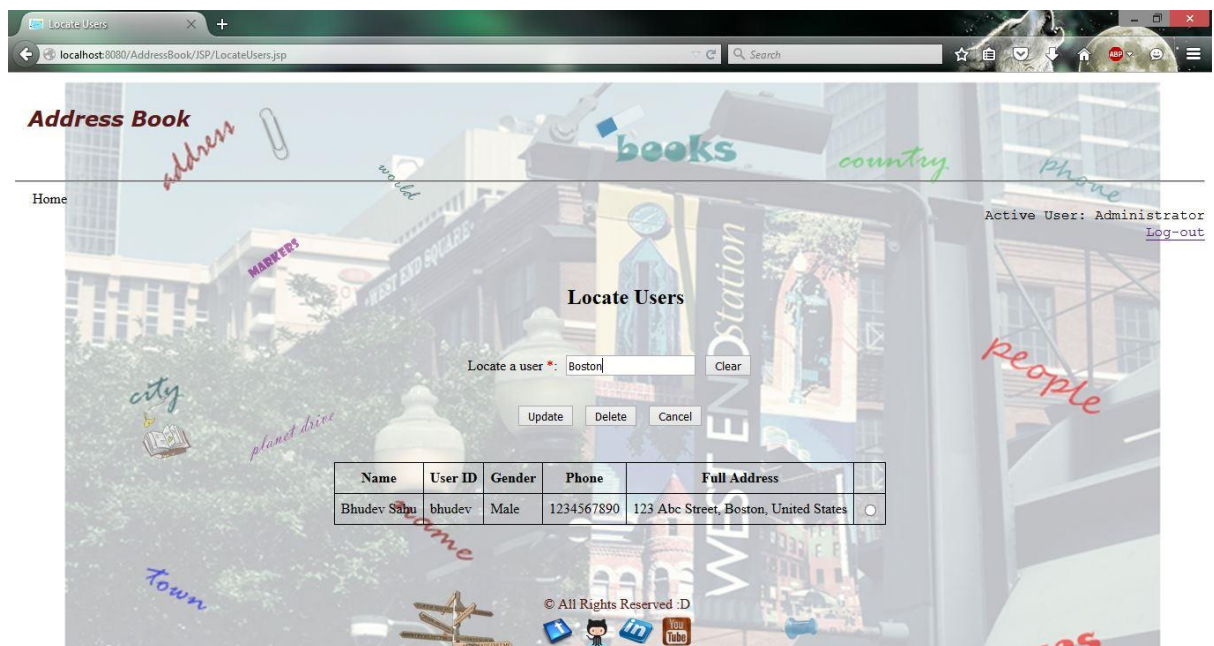
© All Rights Reserved :D

And it's updated!

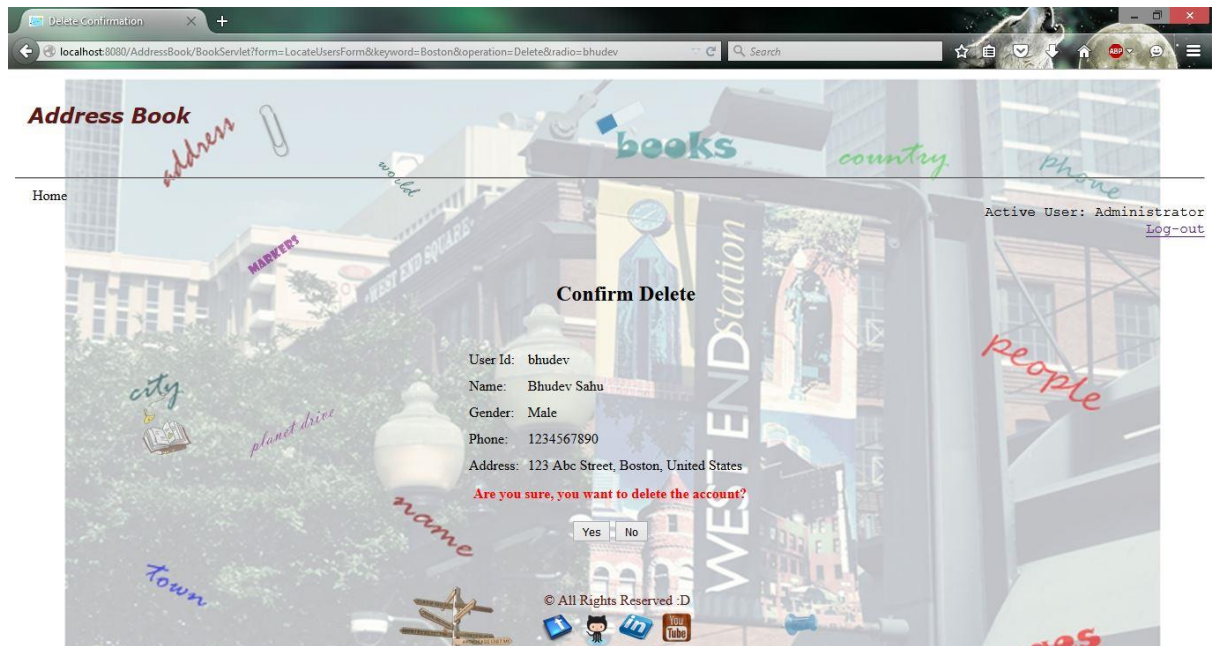


8. Admin – Delete a user’s account:

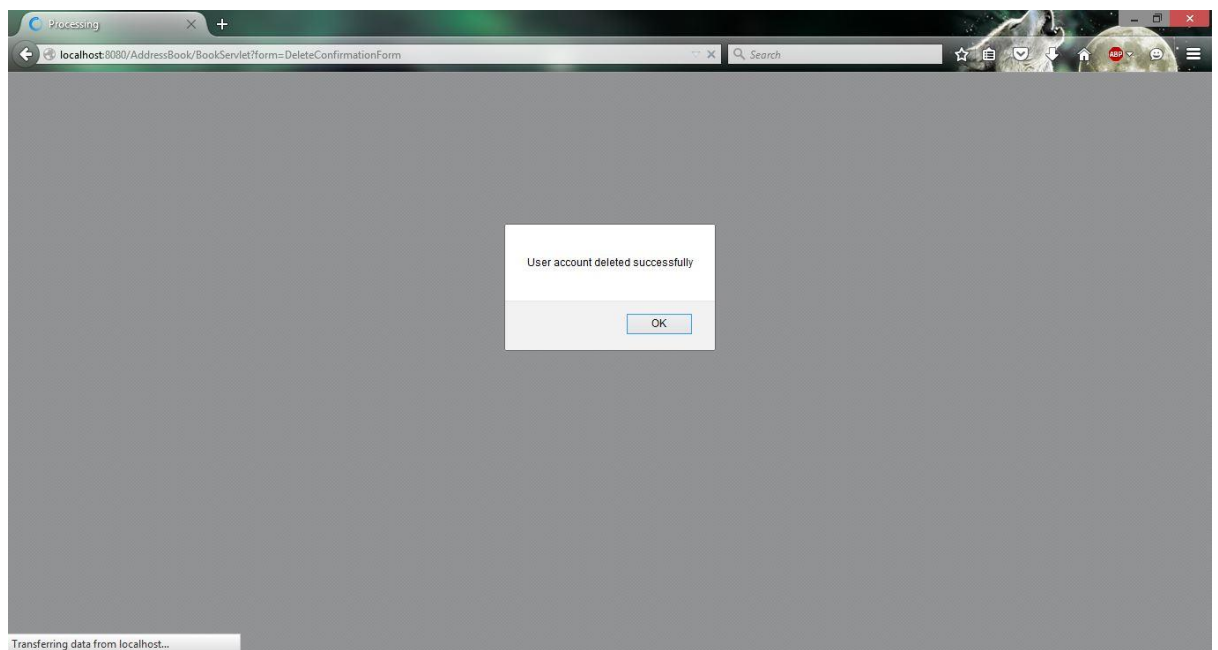
Locating the user and delete it.



Deletion confirm!

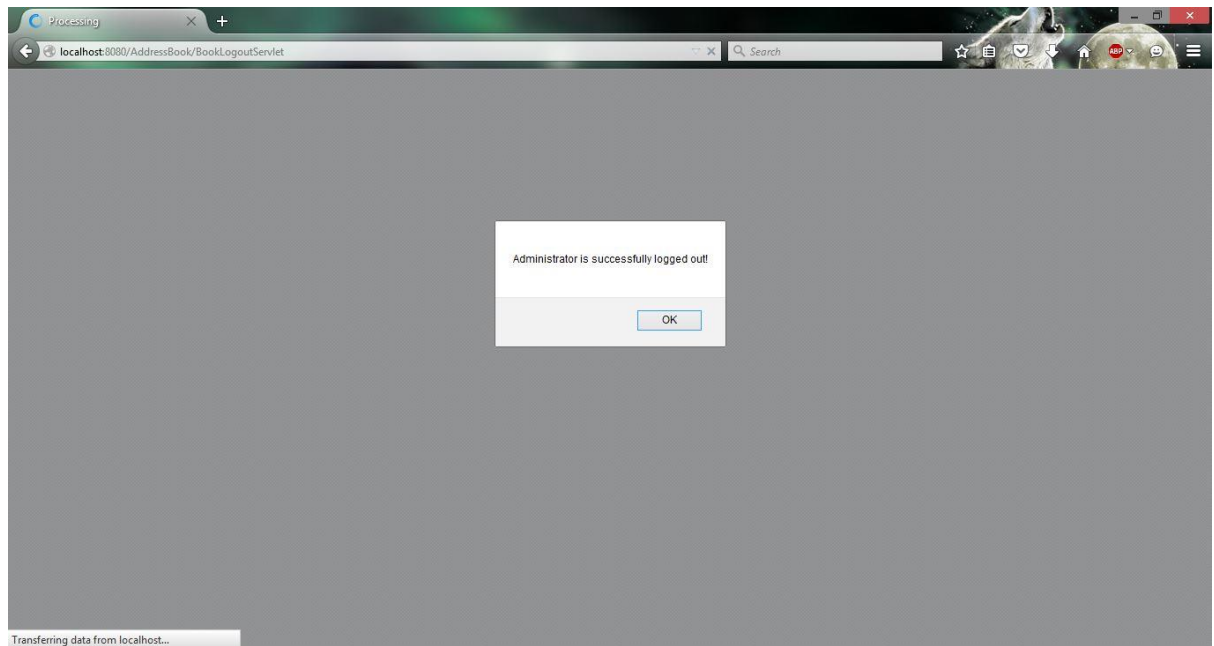


And it's deleted!

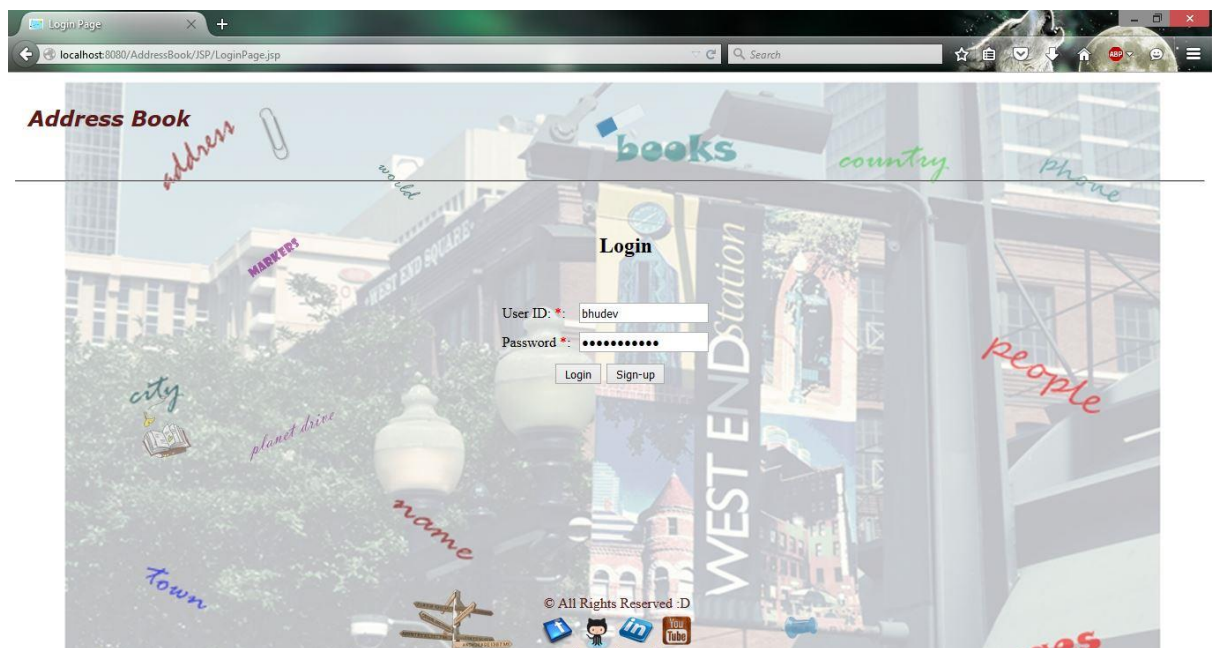


9. Sign in as a user:

Admin logout



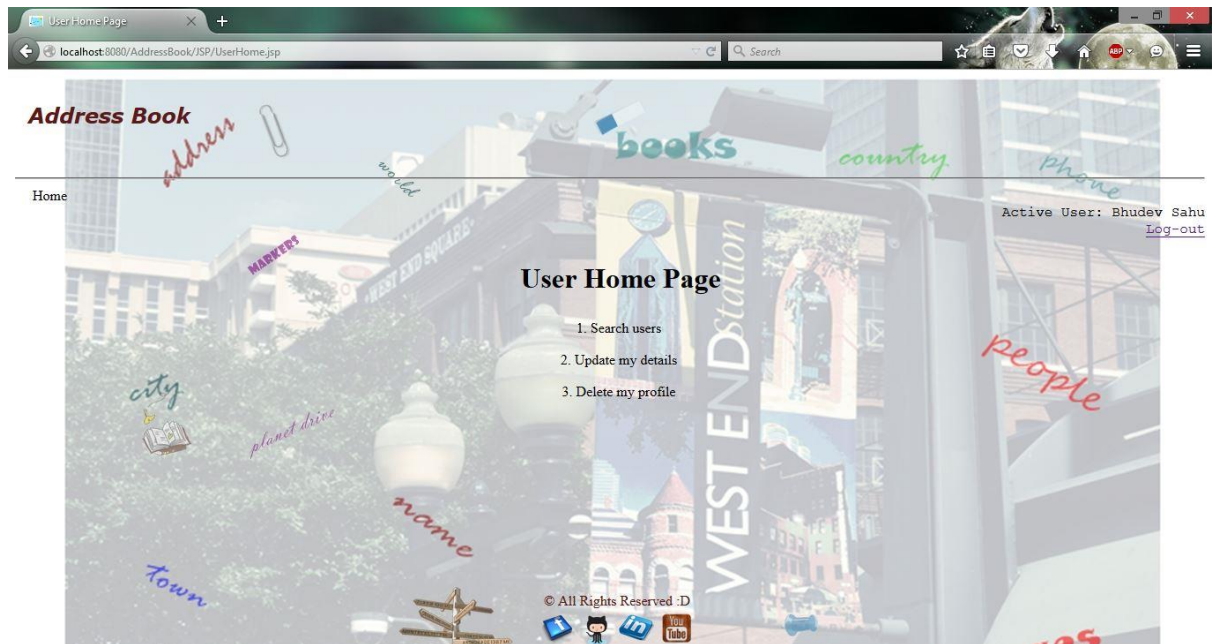
Now signing in as a user:



10. User home page:

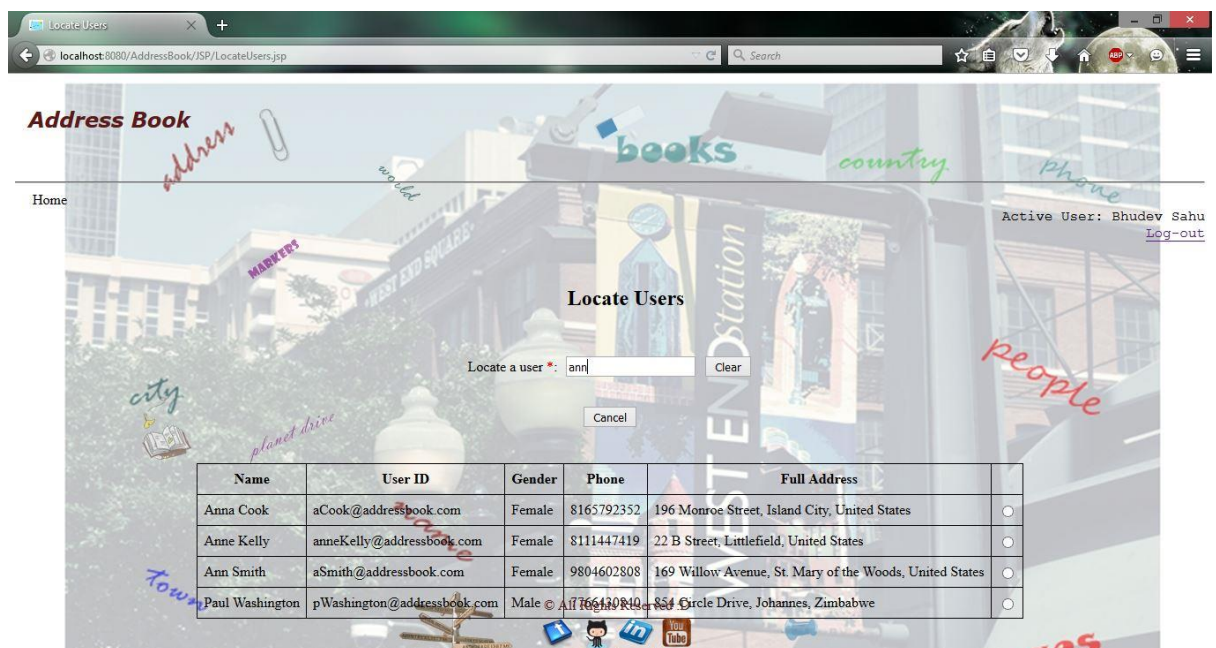
A user can also perform some functions on his profile and look for other users as well.

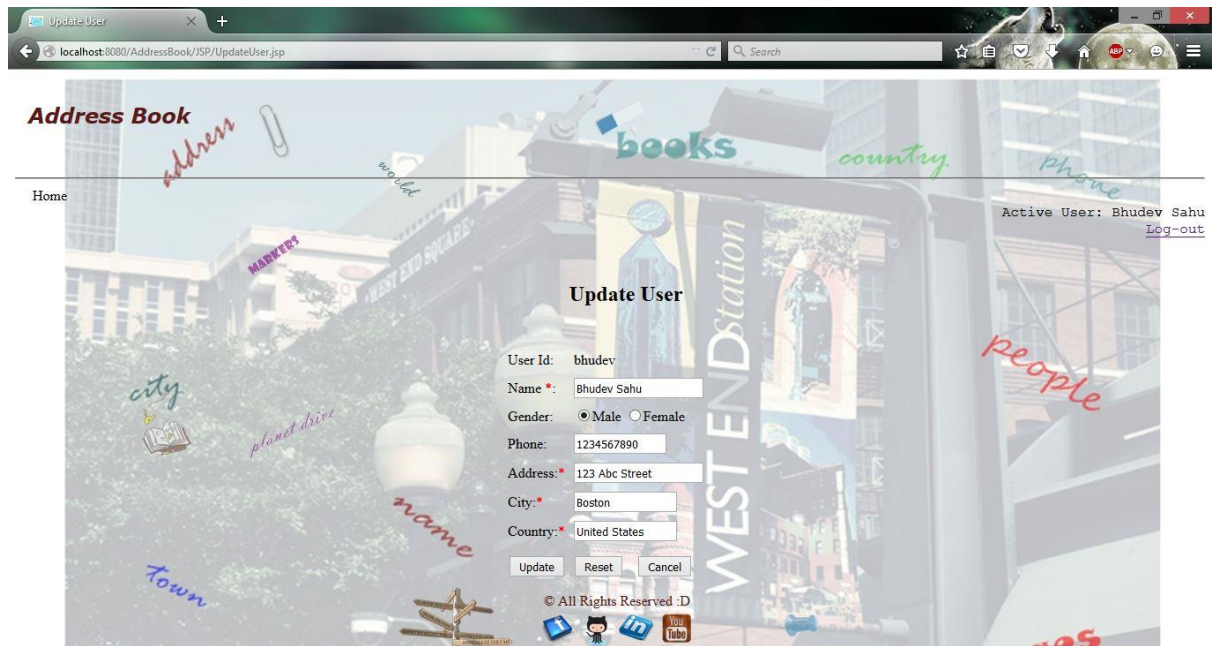
Here is how a user home page looks like!



11. User – Locating other users:

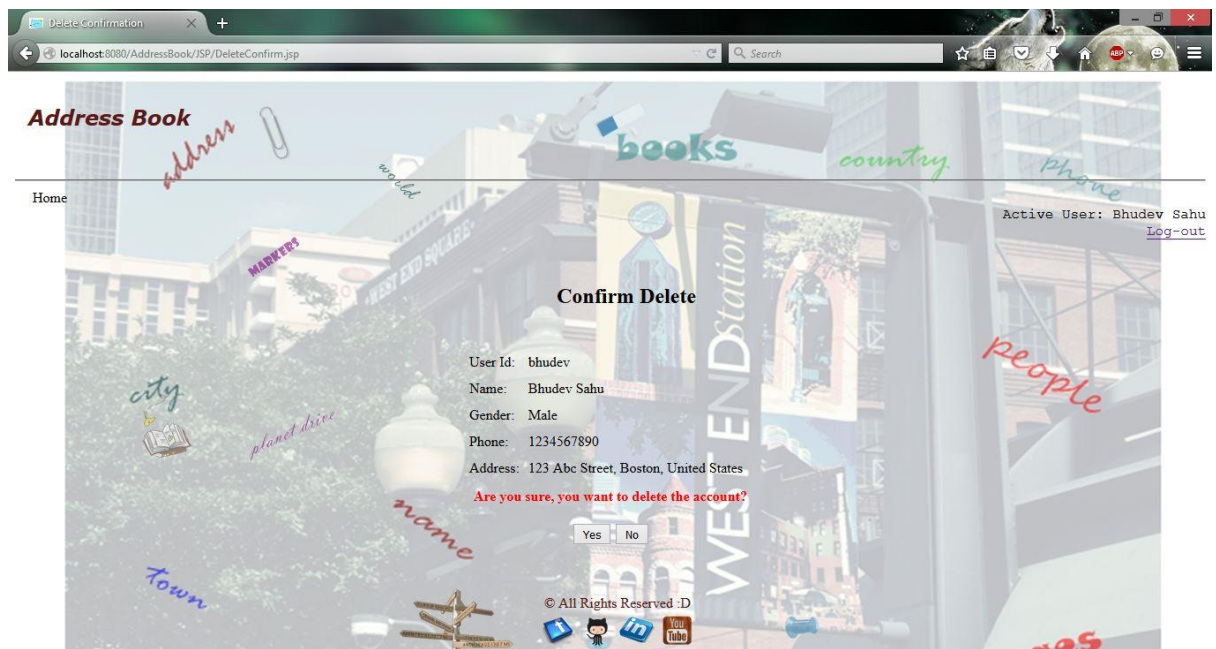
Just type anything about a user and a list of related user-profile appears.





13. User – Deleting own profile:

Users can remove their profile from the database if they want.



Features & Technologies used:

Features:

- Authentication provided
- Session control

- CRUD operations
- Asynchronous calls to server

Technologies:

Overall the system is simple and also simple in use, however some advanced concepts are used underneath.

Like:

- Model, View, Architecture design pattern.
- Document Access Model
- J2EE concepts includes:
 - Core concepts of Java
 - Servlet API: gives the capability of server and handles the requests and response to and from the web pages.
 - JDBC-ODBC connection to perform all database operations.
- Java servlet pages (includes HTML)
- Java-script
- CSS: mostly inline styling
- AJAX (Asynchronous JavaScript and XML): Being used while locating users.
- HttpSession
- MySQL as Database
- Tomcat v7.0 server as application server

😊 Thank you 😊
