A Report on

Identity Management System

(Java Project - Specialization Semester)

Submitted by :

Ganesh Kafle

MSc. Computer Science

(Software Engineering)

Acknowledgement

I want to give many thanks to a people who helped and supported me during various phase for the preparation of this report.

My special appreciation goes to my respected teacher , Mr. Thomas Boussard for his support and knowledge for the project and preparation of this report.

I also extend my heartfelt thanks to my family and well wishers.

Abstract

The main focus of this report is on the Simple Java web Application called Identity Management System using java and frameworks like Junit, Hibernate. Bootstrap is used to design the UI. This system provides a simple interface for Creating , Searching, modification and Deletion of the user information.

Table of Contents

1) Subject Description

Identity Management System is a simple system to allow admin of any particular organisation for storing the user informations like name , email address, date of birth etc. One can also modify and delete the existing information of the users. This type of system is particularly useful for organization that requires to store and maintain large amount of user informations.

2) Subject Analysis

2.1 Major Feature

The major feature included in this system is identity creation , identity search, identity modification and identity deletion.

2.2 Application Feasibility

a) Strengths -

Database Driven application and faster to access than manual file system record.

b) Weakness -

Not much user information attributes included for now. - User information storing may be time consuming at first.

c) Threats

- Some Information may be confidential and can be stolen.
- System may hang if run on low hardware configuration system.

d) In Future

- Many user attributes can be added to store more user information.
- multiple admin users can be added and implement in database.

2.3 Data Description

It includes Displayname, email and date of birth as users data with the creation, Search, modify and delete user listing features for the system administrators.

2.4) Expected Results

Administrators of system will be able to create, search, , modify and delete the user information easily.

2.5) Algorithm Study

For this system a simple and basic algorithm is used for the creation, searching, modification and deletion of the user's information.

2.6) Scope of Application

Only the users with the administrator rights are able to create, search, modify and delete the information

3) Conception

3.1 Chosen Algorithm

The user with administrator's right have to login   first   with credentials (username = kafle and password = kafle). If authentication is approved the page with identity creation and identity search will be displayed. If the user select search then if identity is present then it will be displayed   with the option of modify, delete and cancel.

3.2) Data Structures

- Class
 - Lists

3.3) Global Data Flow
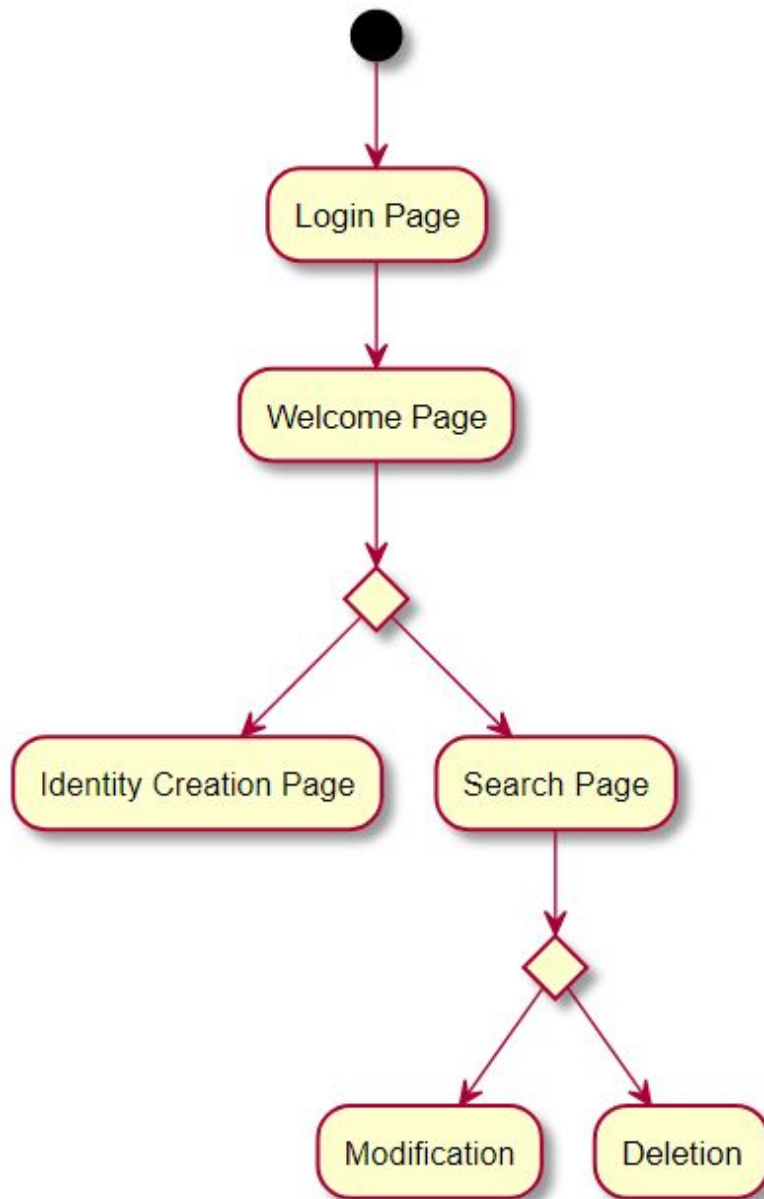
3.4) Global Schema

IDENTITIES
STRING IDENTITY_NAME
STRING IDENTITY_EMAIL
DATE DOB
METHODS()...

4) GUI Description

After running the application user will see the login page as below. Username and password is "kafle"

5) Configuration Instruction

a. Run the index.jsp file in server on server
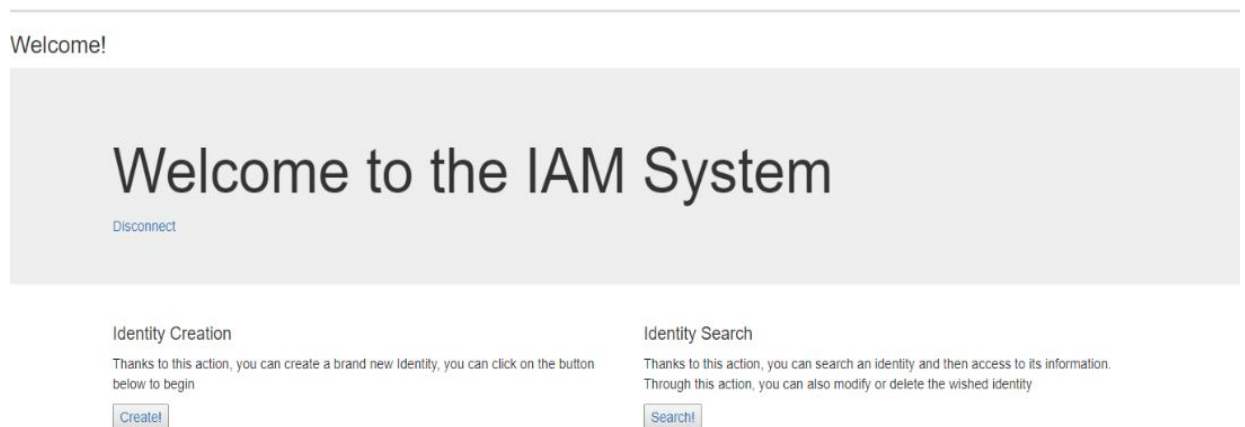
Username: kafle
Password: kafle
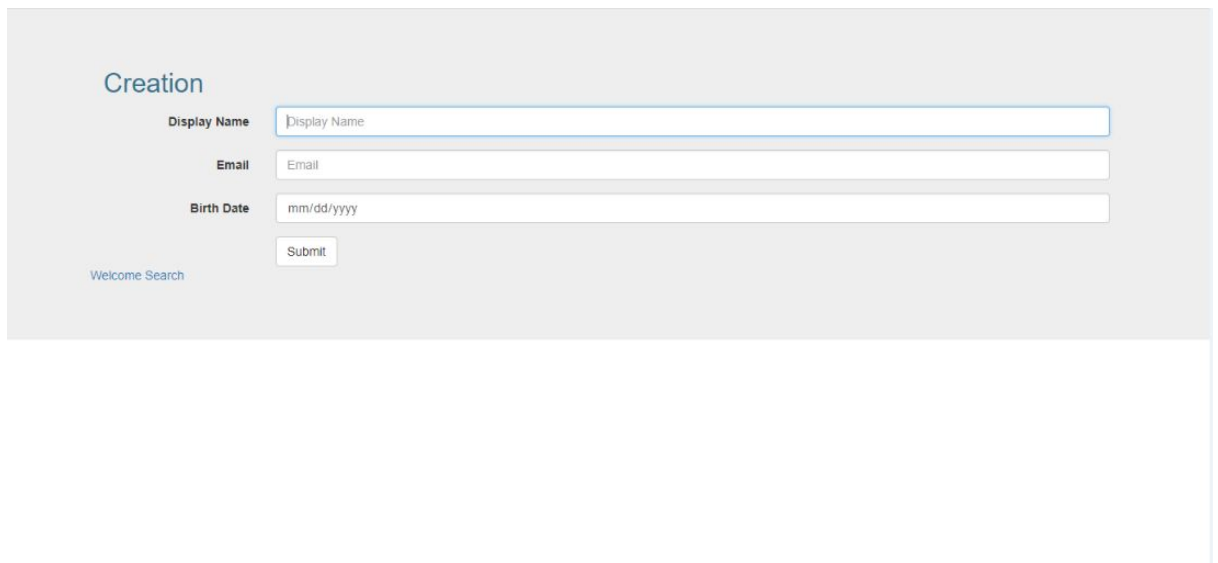Server: Apache Tomcat v.9

6) Screenshort

6.1) Welcome:
        After successful login you will be directed to the welcome page. From that page you can create or search identity accord to its need**.**

6.2) Create an Identity
        When the user choose the option create then it will ask to enter the user details as in screenshot. After entering all date we need to submit that data.After successful submission successful creation messag page will appear.

Creation

Display Name	Display Name
Email	Email
Birth Date	mm/dd/yyyy
	Submit

Welcome Search

The Identity is Created

Welcome Search

6.3) Search identities

When the user choose the option search , then it will display all the identities as in screenshot. After clicking the search button the identity with matching displayname and email is displayed

Identity Search

Welcome

Search Criteria

Display Name	ganesh
Email	ganesh@yahoo.com

Search

Identity Search

Welcome Search

Search Results

Selection	ID	Display Name	Email	BirthDate
○	902	ganesh	ganesh@yahoo.com	5555-05-05

Modify Delete

6.4) Modification

When the user choose the option update , then it will ask to enter the user details as in screenshot. After clicking modify button , updated message is displayed.

Identity Modification

Id

902

Display Name

ganesh

Email

ganesh@yahoo.com

BirthDate

05/05/5555

Submit

The Identity is Updated

6.5) Delete an Identity

When the user choose the option delete , then it will delete the selected identity

The Identity is Deleted

Welcome Search

7) Bibliography

- http://stackoverflow.com/
- https://www.youtube.com/