IAM APPLICATION

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Subject Description :

The main aim of the project is to develop a “Identity Management Application”. The key features of this application are to permit user to manage information on an information system.

- Identity can be created by the user
- Identity of an existing user can be removed
- Identity of an existing user can be updated
- Identity can be searched on existing criteria

Subject Analysis :

There are three major features. They are 1) Initialization

2) Operation

3) Display

1) **Initialization :**

This process is used to load and create the identity management application. The identities, uid (user id)

2) **Operations :**

A no of operations is done in this program. They are of the following order :

- User Authentication
- Using backend to create and delete an identity
- Using backend to update an identity

3) **Display :**

The result or conclusion from this project are to visualize the authentication of the user, updating an existing user and to delete the user which has already been created.

Application Feasibility :

The application has a front end and a back end. To access the menu at the front end, in order to perform other operations one must provide valid user name and password. A username and password is considered to be valid if it is present in the database. Authentication of the user takes place with the help of it. Once it is done successfully it takes you to the next steps

Data Description :

All the data created and used are stored in the database. It is safe to say that majority of the data are user data which included name, uid(user id) and email address. Using this data authentication, updating and displaying of results can be done. New user can be created, and they will be stored in the database. Existing users can also be updated. An existing user can also be deleted from the database.

Expected Results :

We are getting the results in backend by using all operations with the connectivity of the database without any errors.

Conception :

3.1 Algorithm :

- Step 1 : The user has to be authenticated and he has to type the credentials
- Step 2 : Once the authentication is done successfully. It takes the user to the menu section
- Step 3 : on the menu section the functionalities displayed are create, update and delete.
- Step 4 : Once the user is done with the functions it will be displayed as successful it takes you out
- Step 5 : if the authentication is failed it will ask you to try again and then forward you to exit.

3.2 Data Structures :

Users :

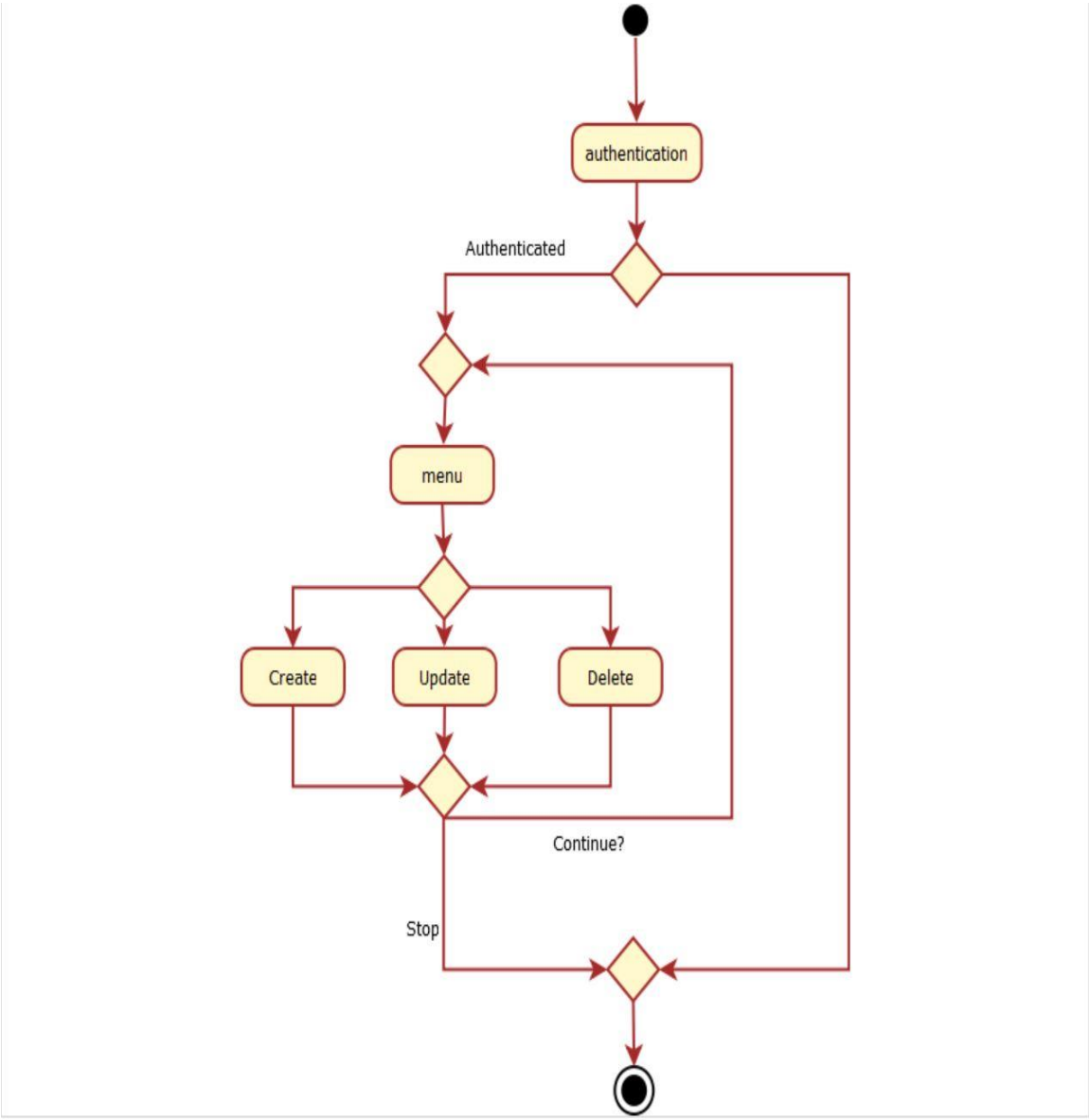
The user is given a username and password by which he is able to access the application. They are stored as string datatypes in the configuration file. For now, Only a single user is created to use the application.

Identities :

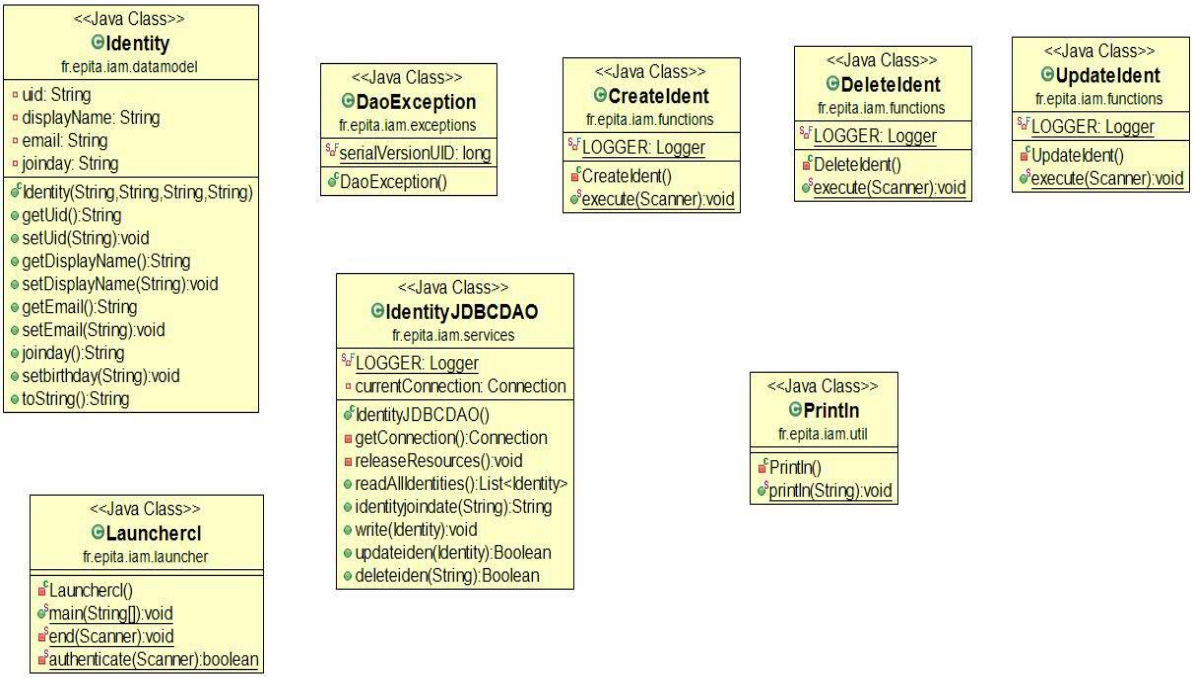
These are entities which are used to manage the system. In the application we would be able to create, update, search and delete them. All the identities will be stored in a derby database.

3.3 Global Application Flow :

The application flow of IAM project is being displayed below :



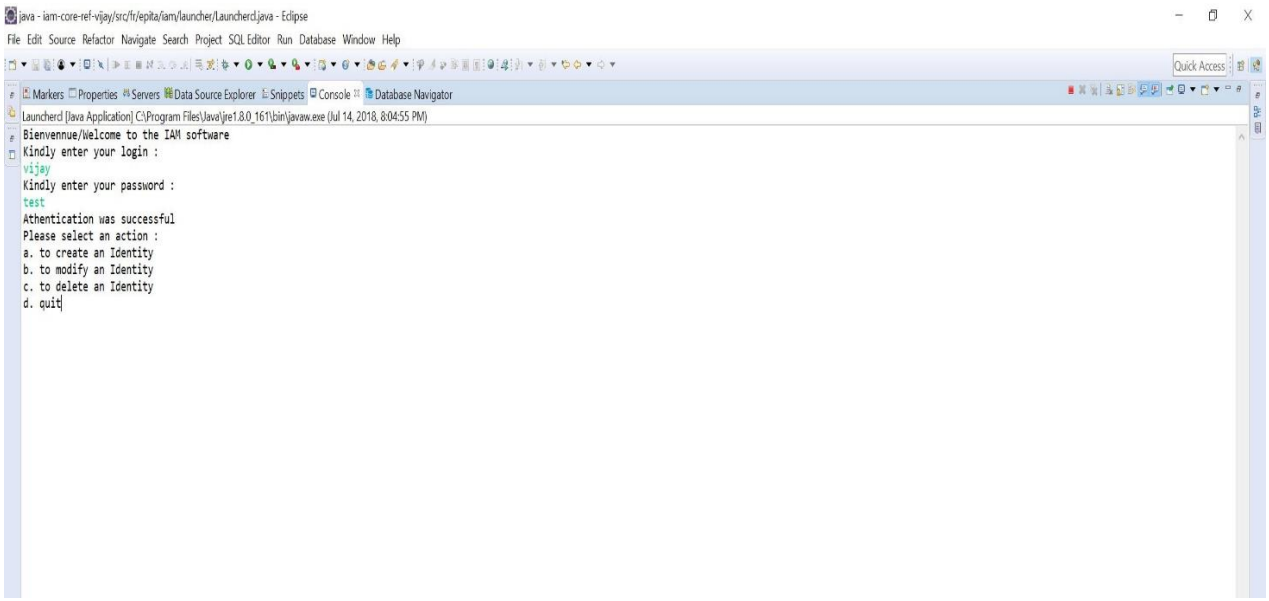
Global Schema and Major Features Schema :



4. Console Operations Descriptions :

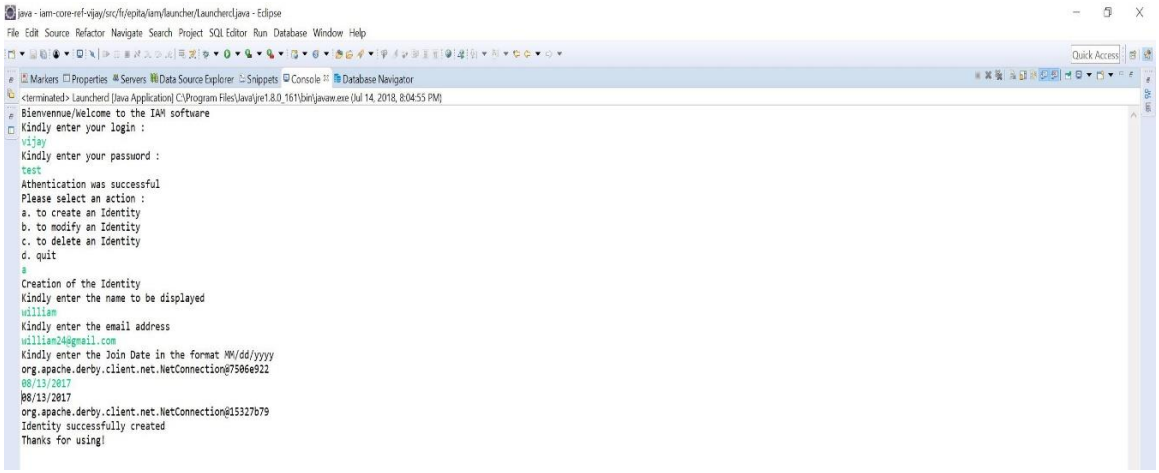
Menu :

The menu is displayed to the user.



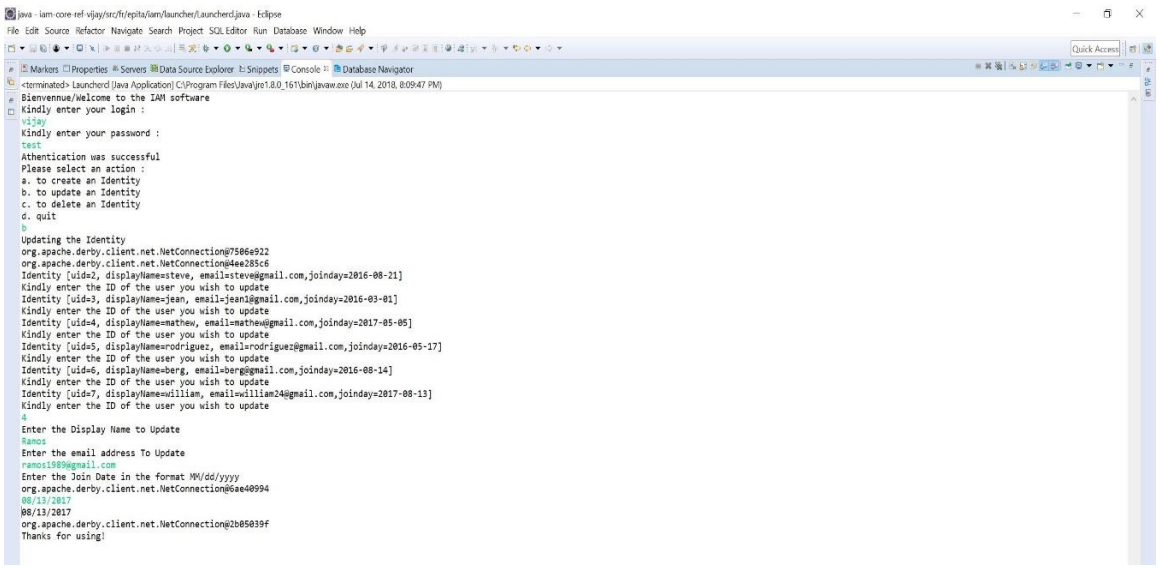
Create a New Identity :

The user tries to create a new identity, The following screen appears :



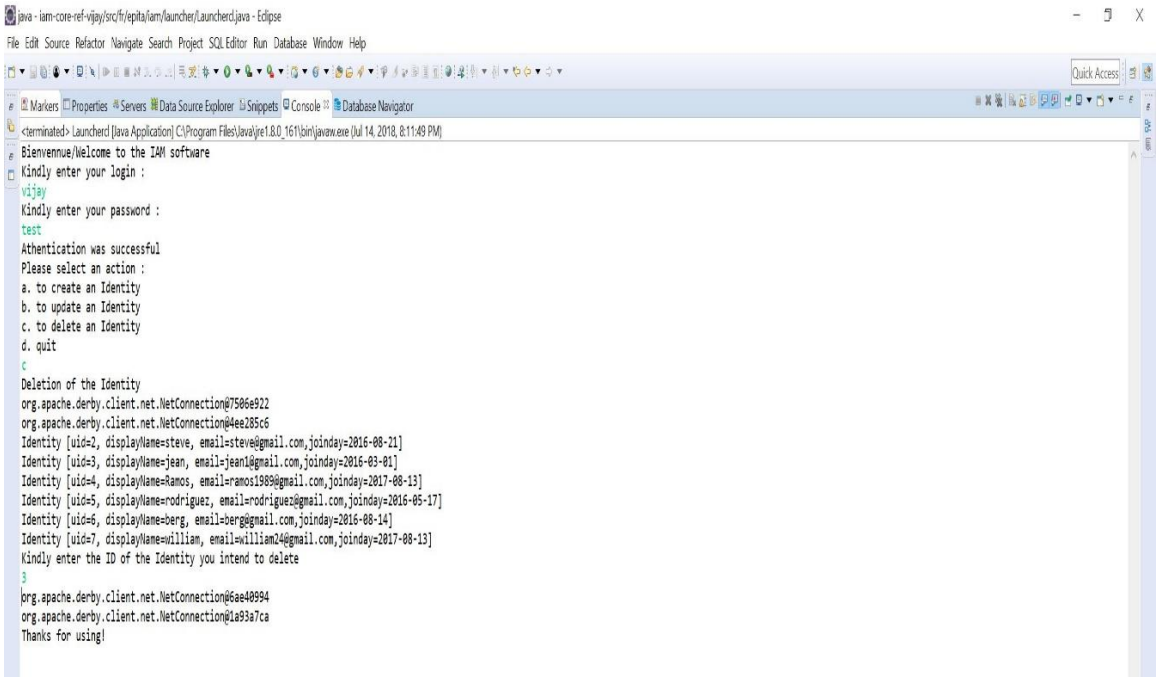
Update of the Identity

The user tries to update the identity, The following screen appears :

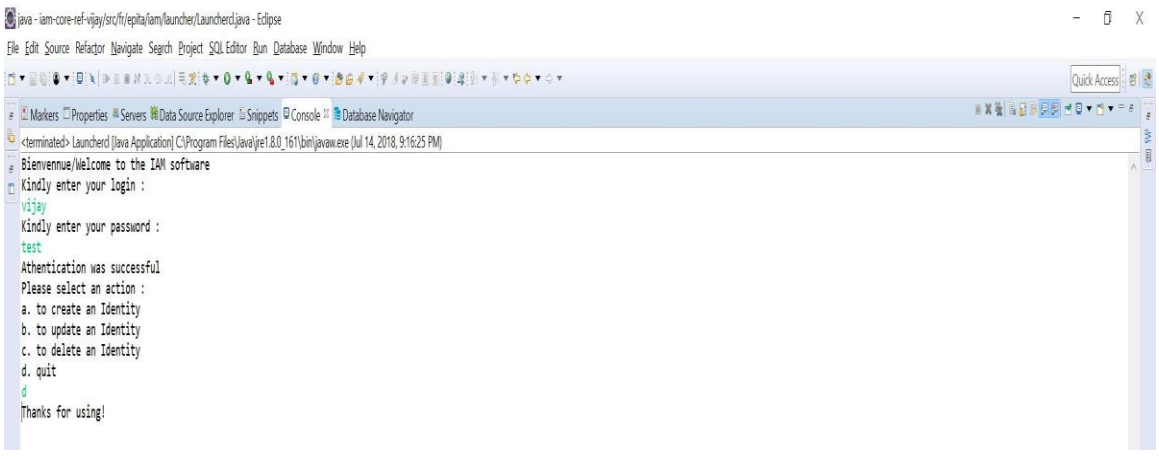


Deletion of the Identity :

The user tries to delete the identity, The following screen appears :



Quit :



Configuration Instructions :

- At first, User has to install JAVA into his system.
- The next step for the user is to make sure Eclipse is being installed in his system.
- The user has make sure the derby database has been installed in his system.
- The next step involves of installing the derby database into your eclipse

  User name : vijay
  Password : test

Bibliography :

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http://thomas-broussard.fr/work/java/courses/project/fundamental.xhtml

www.stackoverflow.com