USER GUIDE

IAM APPLICATION

Prepared by

Sreedevi BEENA

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1.INTRODUCTION

1.1Scope and Purpose

The Identity Access Management System is designed to manage Identities and its attributes. The main features of the application are to Create, View/Read, Update and Delete an Identity.

1.2 Prerequisites:

- JRE(http://www.oracle.com/technetwork/indexes/downloads/) and JDK.
- Derby Database server already setup or you could download Derby here. (https://db.apache.org/derby/derby_downloads.html).
- An IDE (Eclipse or NetBeans), to run the application.
- SWT Tool kit for the GUI inside the eclipse. (http://www.eclipse.org/windowbuilder/)

1.3Configuration

1. Download and install a configurable database server (preferably Derby). This application designed for Derby and configure the database server. Start the derby server by running startNetworkServer.bat from derby installation path %DERBY_HOME%/bin.

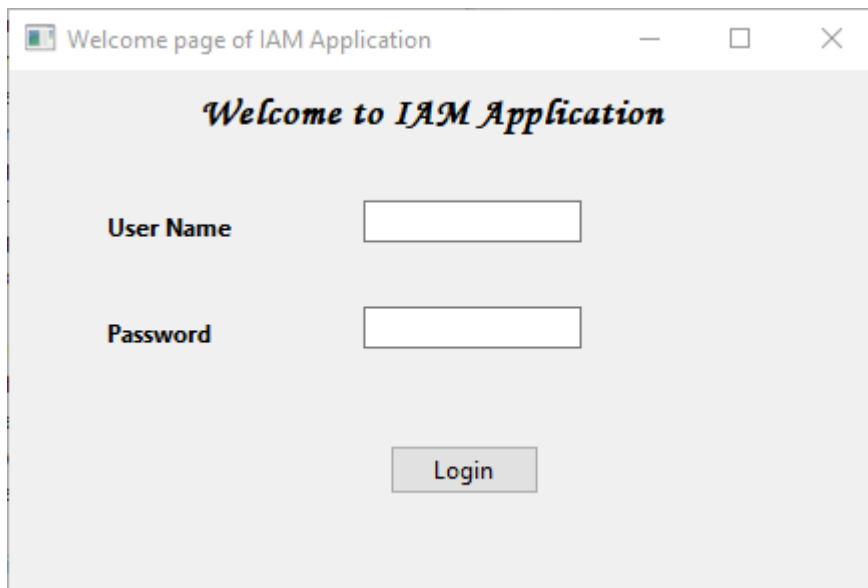## 2.DETAILED PROCESS OVERVIEW

The application involves the following processes which should be carefully understood for proper usage.

Processes:

- Login
- Identity Creation
- Identity Update
- Identity Delete
- Search Identity
- Exit

2.1 Login

- Admin can enter his username and password and access the system. Only admin is authenticated to use this system

- Usernames and passwords of the admin is stored in a database table ADMIN. This is a part of the project. This table is created inside the Embedded Derby database. The username, password and URL for database connectivity is given inside the Configuration.properties file as `adminDb.host, userDb and passDb. Kindly do not alter these properties.`

- Currently ADMIN table has only 1 row with the Username, Password and Privilage.

- The Login page looks like this :

- We can access the system using username "admin" and password "admin"
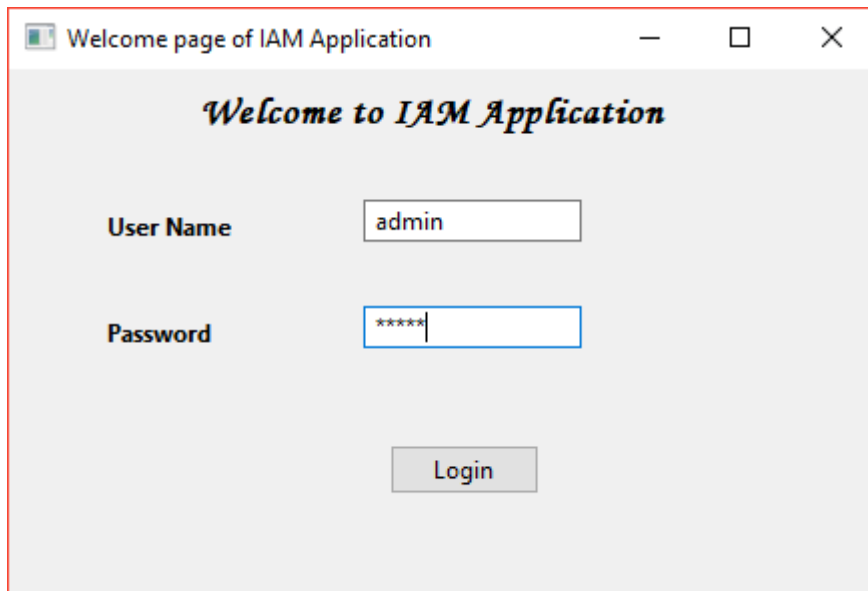
- If we enter invalid credetials, a message dialog box will pop up as follows :
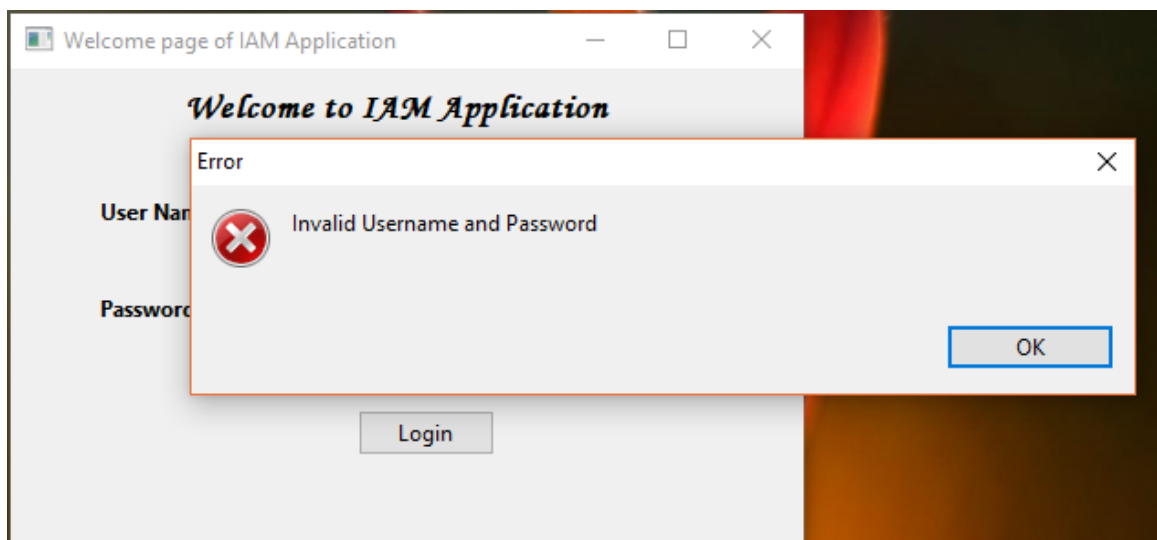
- After authentication , the following menu window will be displayed:

2.2 Identity Creation:

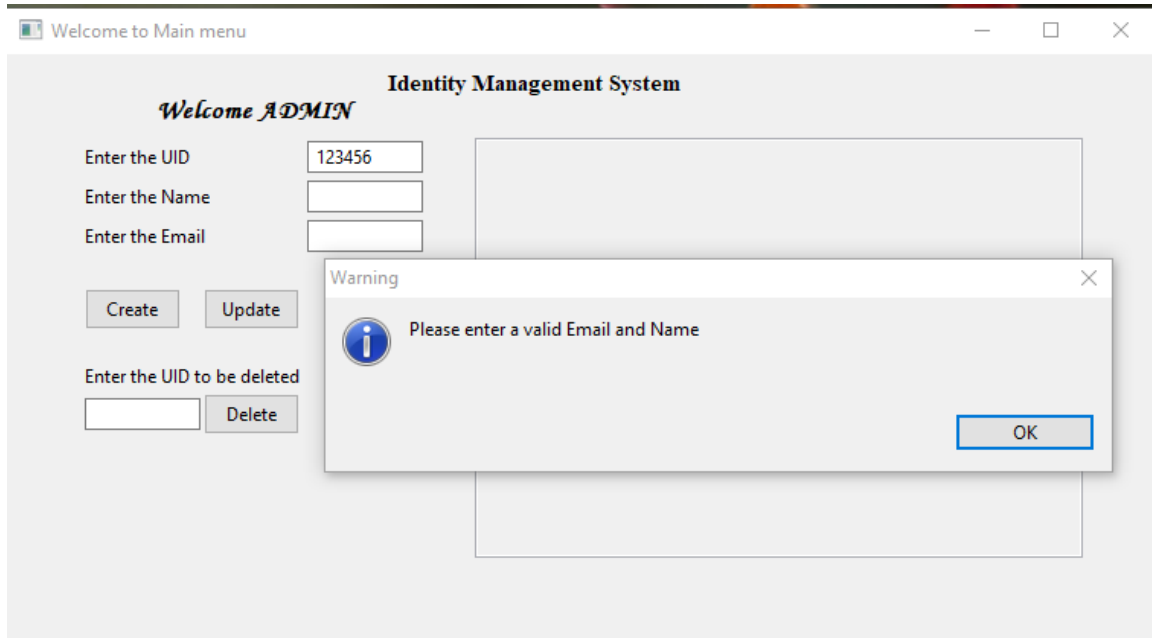- EnterUID,Display Name and Email to create the identity and click the Create button:

- A successful Identity creation window will pop up:
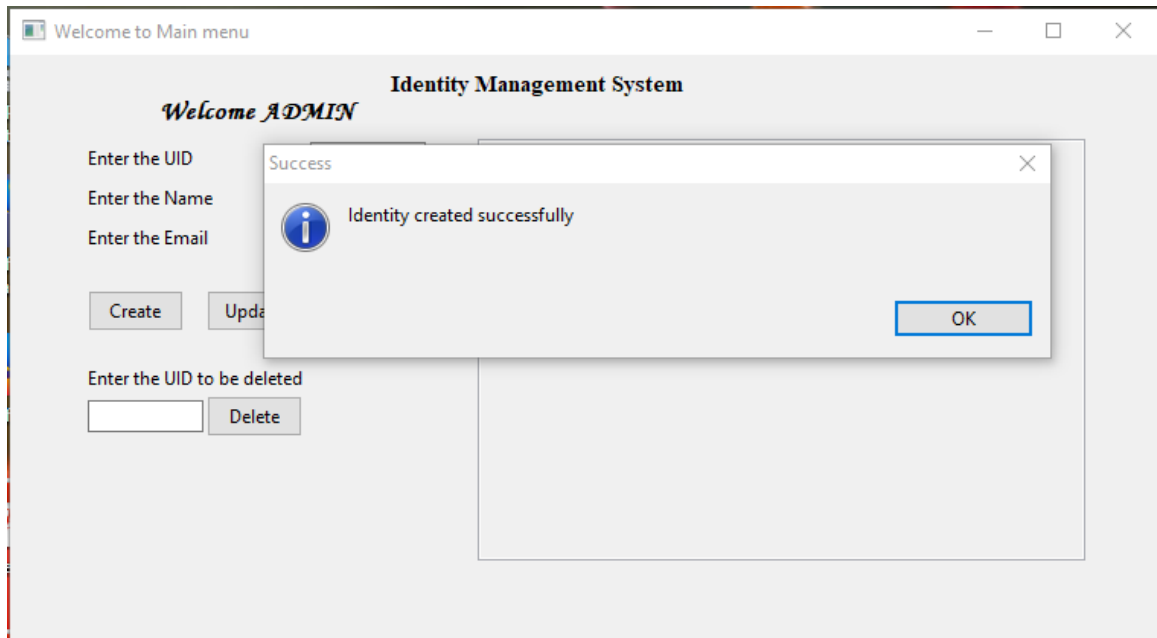
- The created identity will be displayed in the table:
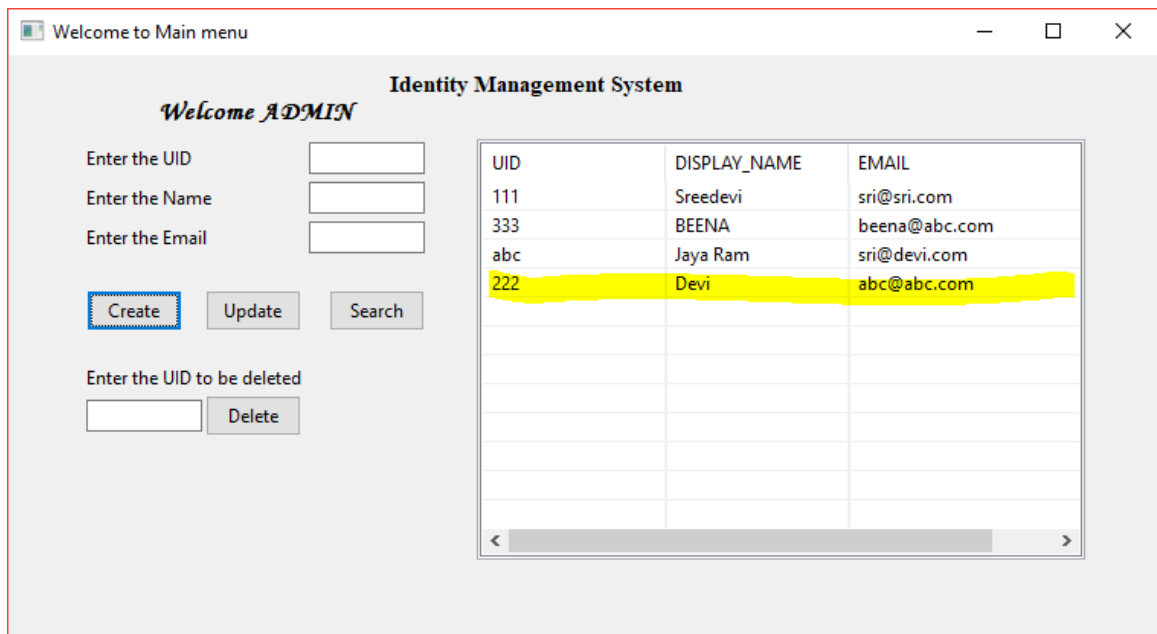
- If we miss to enter any of the three details while creating an identity, then a warning message window will pop up:
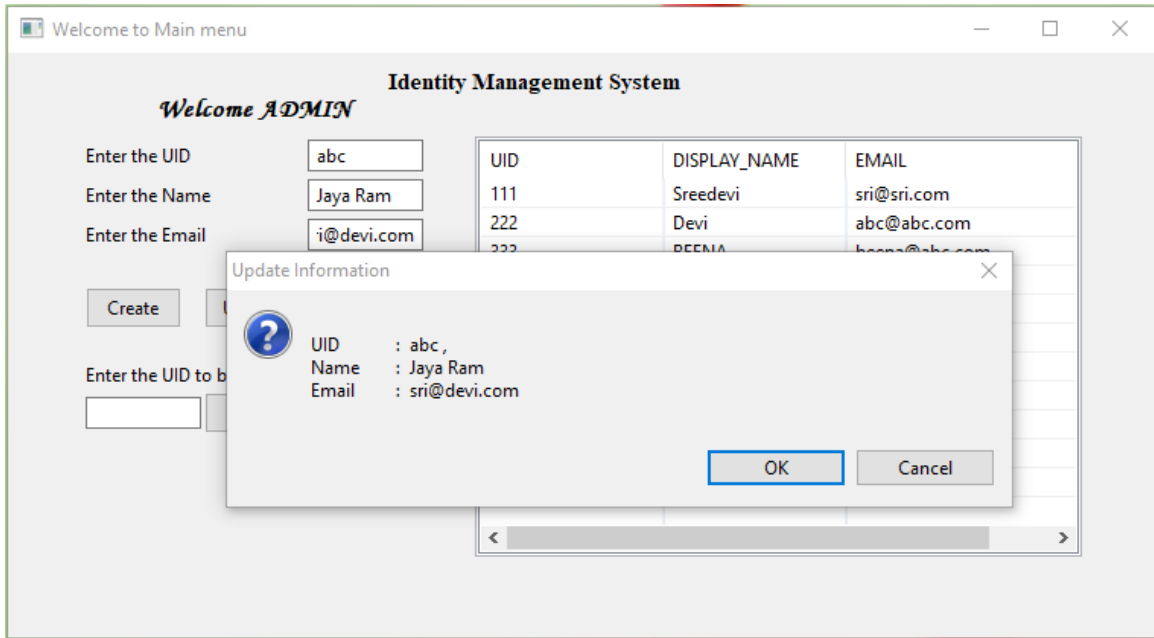

2.3 Identity Update :

Enter the UID of the identity to be updated. Then enter the new details, which should be modified, and press Update button.
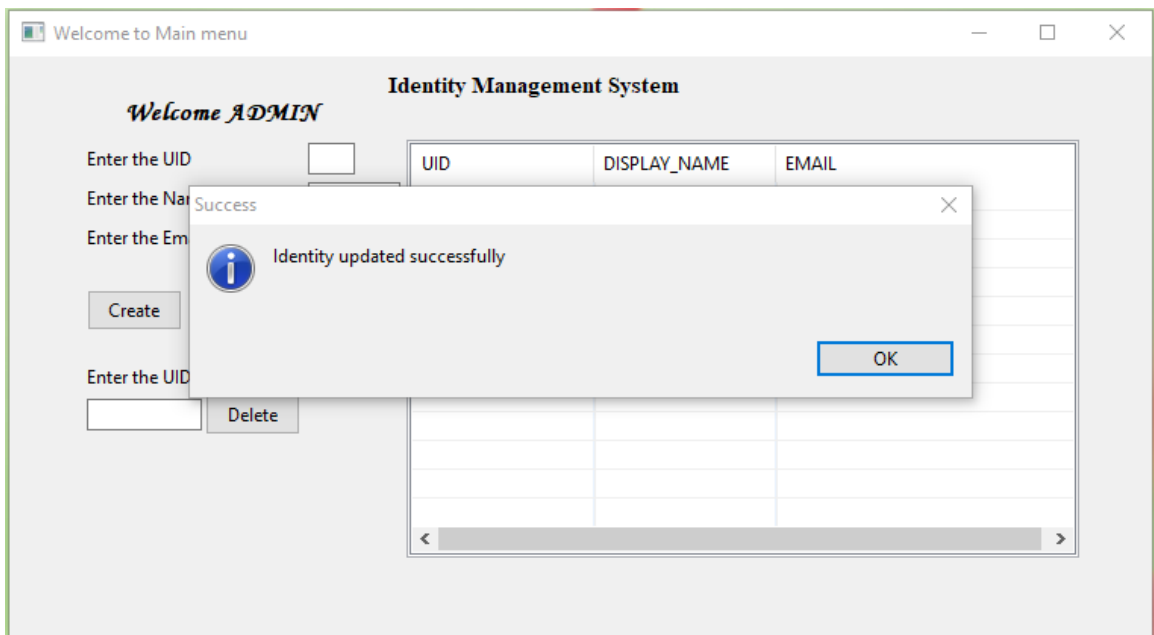
- Here we are going to change the name of the UID 'abc' from 'Jaya' to 'Jaya Ram':
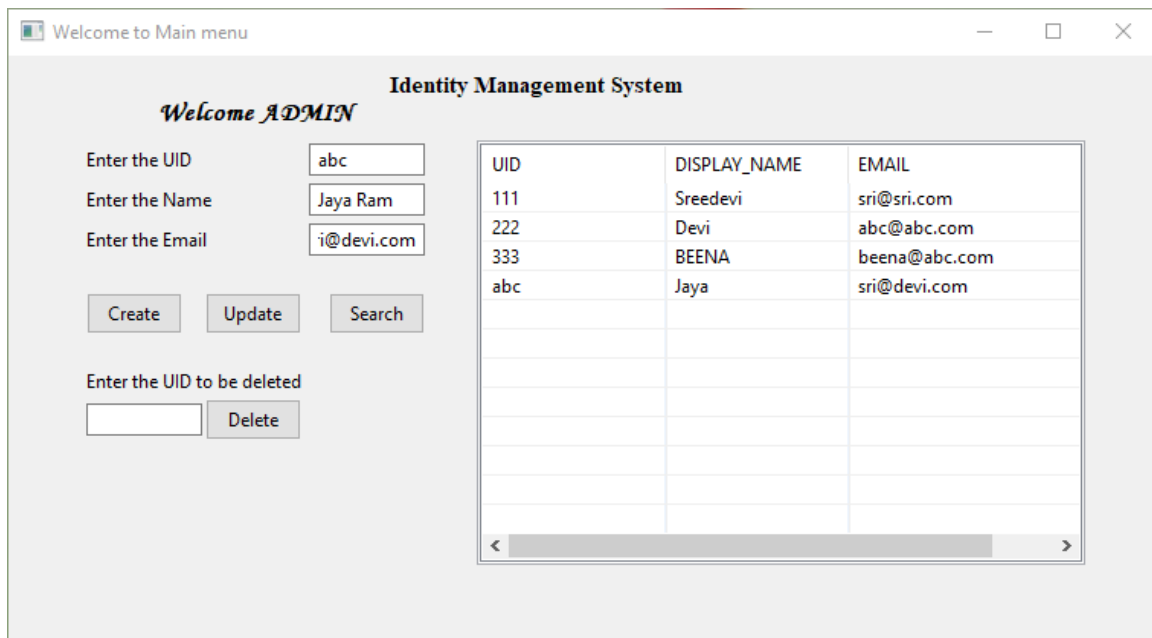
- After entering the details, click on the update button. The application will ask us a Confirmation with the new details:
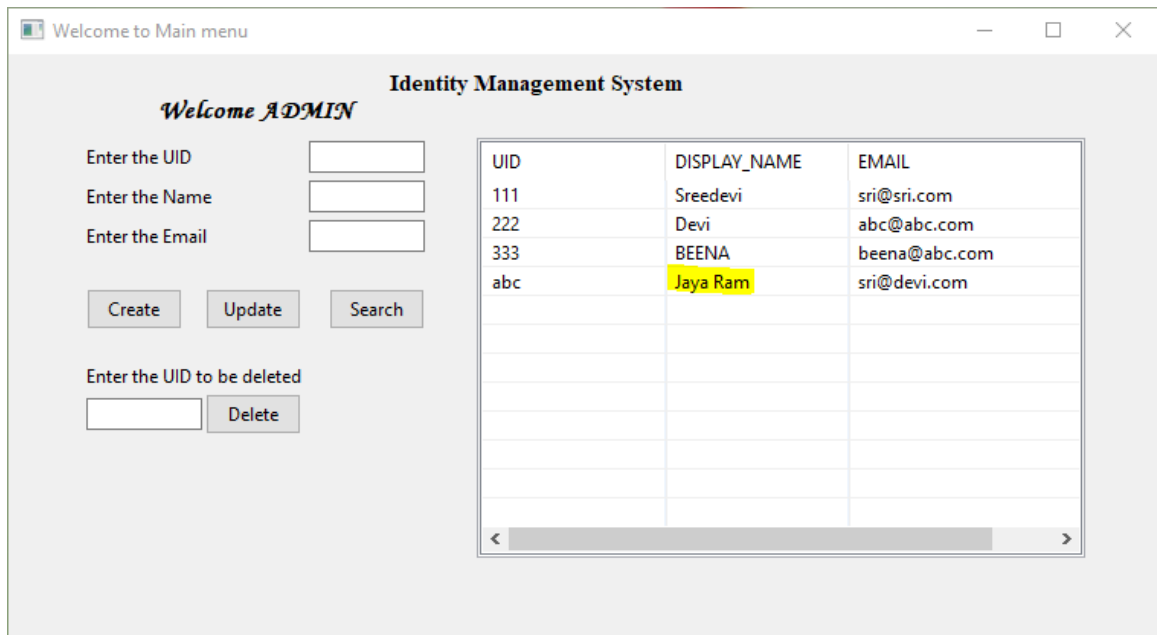

- If we click OK, then the Success message will pop up like this:

If we only want to change the email address, enter the UID of the user and the new email address and press Update button. The tool searches for the existing details of the UID in the database and returns a pop up asking for confirm with the old values for UID and Name and the newly set email address. Following the confirmation the new values will be updated to the database.

▪ The updated entry of the table will be displayed as follows:
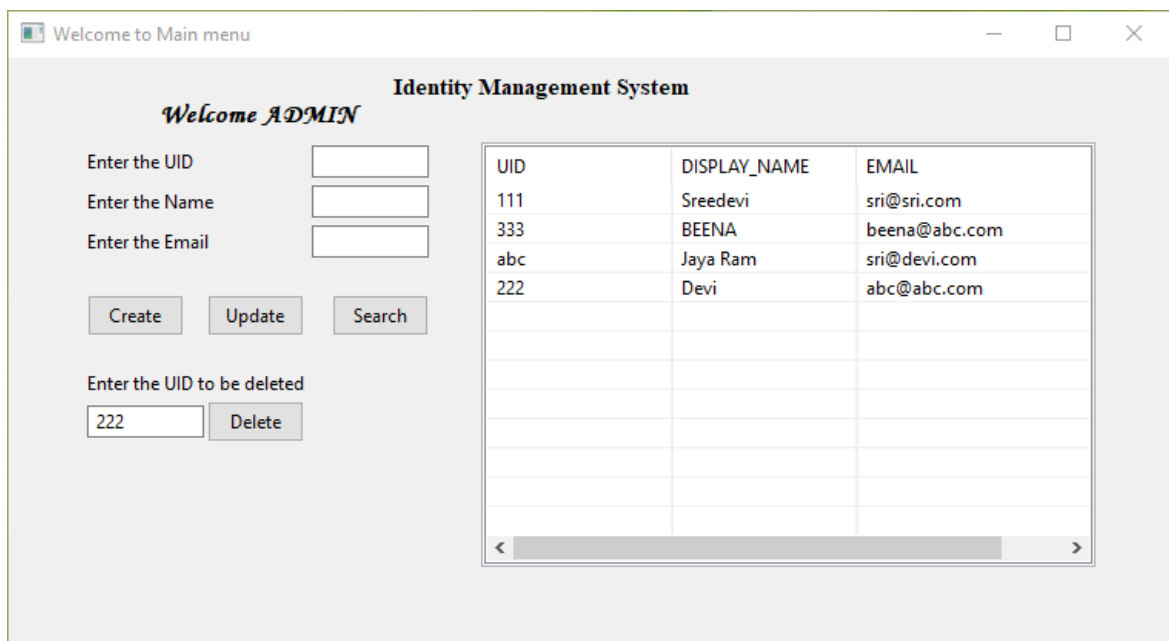
- If we try to modify an UID which is non existing then an error message will pop up like this :
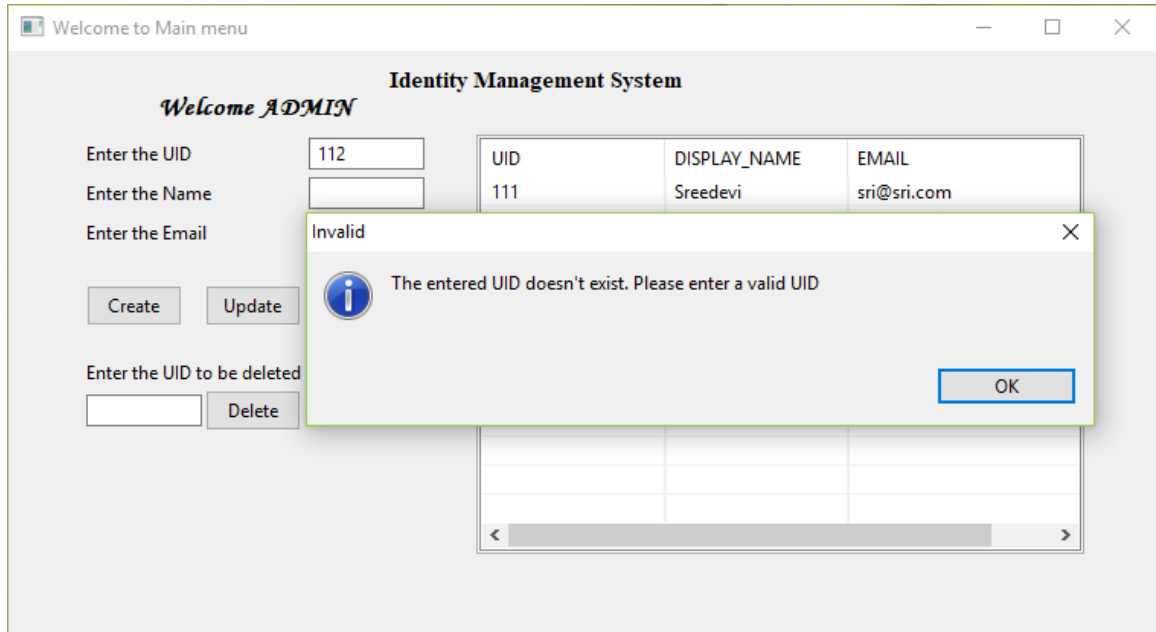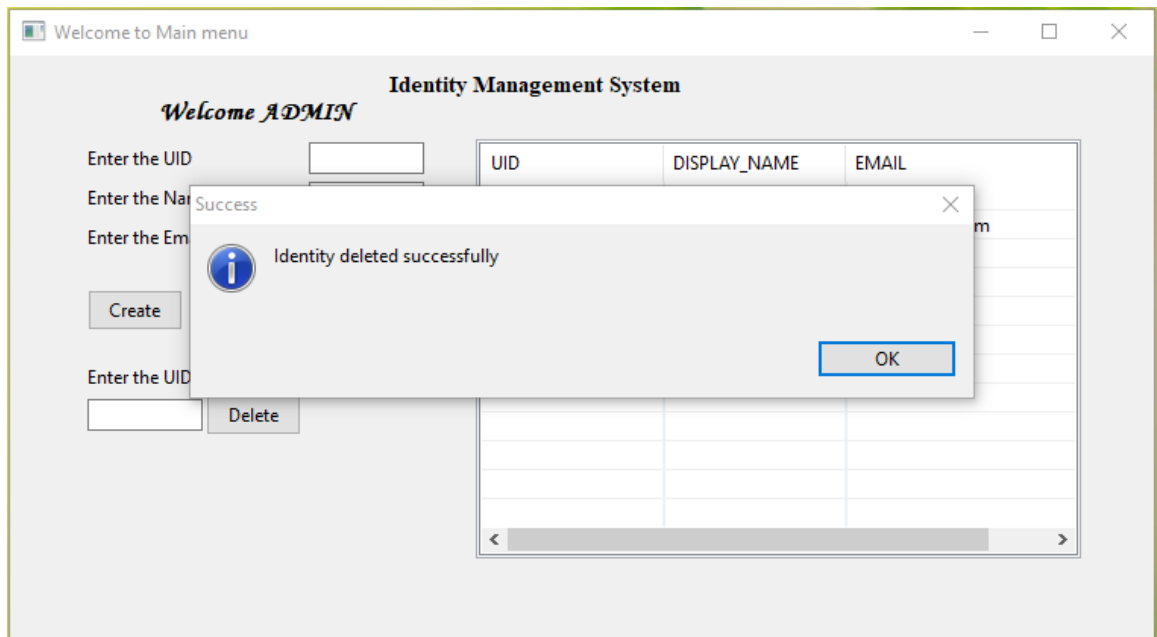

2.4 Identity Delete

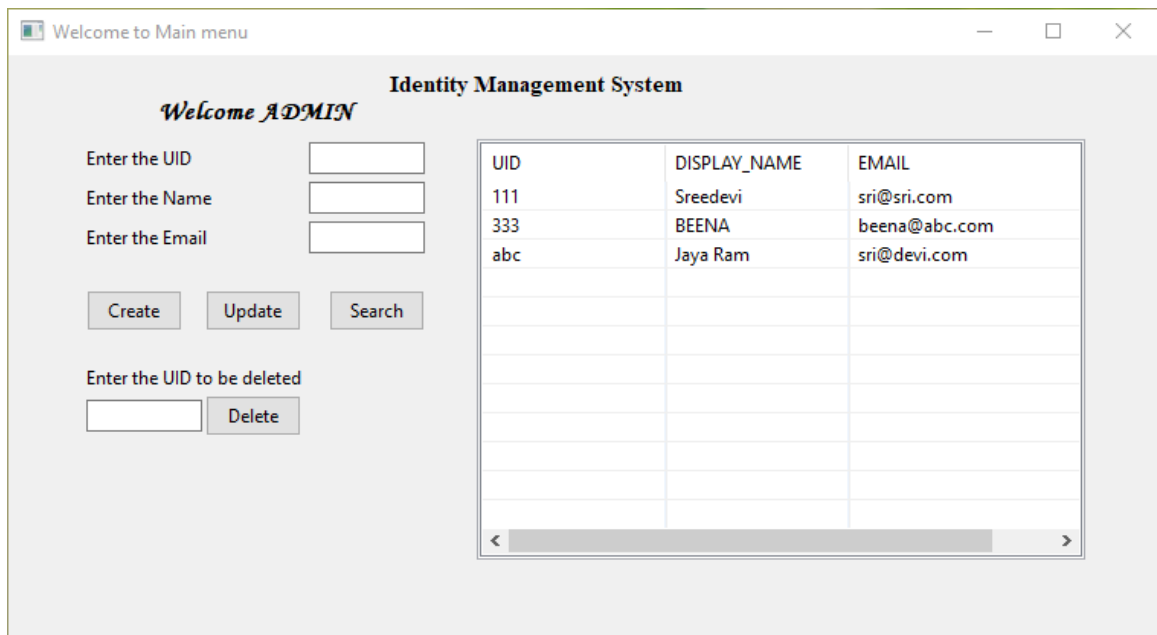Enter the UID of the identity to be deleted in the text box provided and click on Delete button.

- Enter the UID to be deleted:

- The pop up will appear which informs us about the deletion:

- The deleted row disappears from the table :

2.5 Search Identities

Enter the UID, Display name or Email to be searched. The result will get displayed in the table.
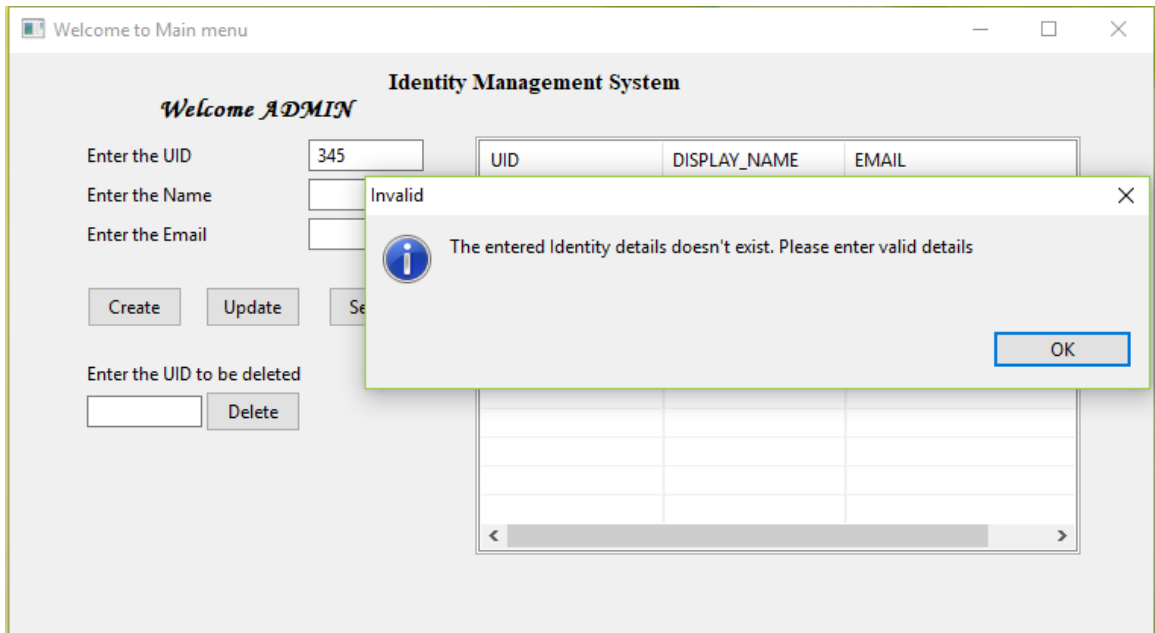
- Search by UID and Email :

- Search with UID only :

- Search with Identity Name :

- Search by Email :

- Searching an identity which doesn't exist will make a window pop up informing the error that the entered identity doesn't exist.

2.6 Exit

Click the close button on the title bar of the window application, in order to make an exit from the application.

3.APPENDICES

The above application is platform independent however it requires Java run time environment and apache derby to be installed on the target machine/operating system to run.