Database Derby 10.11.1.1
Execute the following queries:-
<-1->
create table ADMIN
(
ADMIN_USER varchar(255)primary key,
ADMIN_PASS varchar(255)
)
<-2->
INSERT INTO ADMIN(ADMIN_USER, ADMIN_PASS) VALUES('root','admin123')
INSERT INTO ADMIN(ADMIN_USER, ADMIN_PASS) VALUES('mathew','admin123')
<-3->
CREATE TABLE TBR.IDENTITIES
   (IDENTITY_ID INT NOT NULL GENERATED ALWAYS AS IDENTITY CONSTRAINT
IDENTITY_PK PRIMARY KEY,
   IDENTITY_DISPLAYNAME VARCHAR(255),
   IDENTITY_EMAIL VARCHAR(255),
   IDENTITY_BIRTHDATE DATE,
   UNIQUE (IDENTITY_EMAIL))

There are a total of 6 packages:-

Fr.epita.iam.business

CreateActivity.java
This asks the user for a username, and email then enters it into the database

DeleteActivity.java

Asks the user for email and then, verifies if the entry exists in the database and then deletes the entry from the database.

DisplayActivity.java

Displays all the entries in the database.

UpdateActivity.java

Asks the user for email and then queries the database and displays the enter after it asks the user if he wants to update name or email, then it updates the database accordingly

Fr.epita.iam.datamodel

Contains getters and setters for the class Identity which contains a person's data(displayname, email and date of birth. It also overrides "toString" method which displays all the values of the variables.

Fr.epita.iam.exceptions

Contains "DaoInitializationException.java" which is a custom Exception (extending RuntimeException) and is thrown when failing to connect to the database.

Fr.epita.iam.launcher
ConsoleLauncher.java

Contains main and is responsible for displaying the menu and calling respective methods for perform various activities.

Fr.epita.iam.mics
Get_input.java

A class to handle various inputs used in the program also a regex check to see if user enters a correct email.

Fr.epita.iam.mics
IdentityJDBCDAO.java

This class has methods to query the database including connect, update, list, fetch,add,delete the methods here can throw SQLExceptions.