

# Project IAM-RABINCORE description

## EPITA 2017

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## 1. Subject analysis

### 1. Major features

The administrator of the database schema can create, modify, delete, and search. There is no graphical user interface for this application but the user can use the command line.

### 2. Application Feasibility

The application can be used to authenticate and manage user for other applications.

### 3. Data description

The user will enter:

Display name

Email

UID

Actions to perform

### 4. Expected results

The application will display the created Identities. The user can view all identities when modifying or deleting.

### 5. Algorithms study

### 6. Scope of the application (limits, evolutions)

The present project does not really allow Identity to connect to the database. The next step will be to grant privileges to each Identity and check the right to display the menu. Right now, only the root the schema can connect to the database.

Other step will be to include a Graphical interface to the application.

Managing sql jointures are not very easy especially between attributes and the other classes, another step will be to use a tool such as Hibernate or Spring

The search feature also is not well advance and search methods need to be implemented The Identity password is not yet secured

## 2. Conception

The application contains the following packages:

Business package

Luncher package

Exceptions package

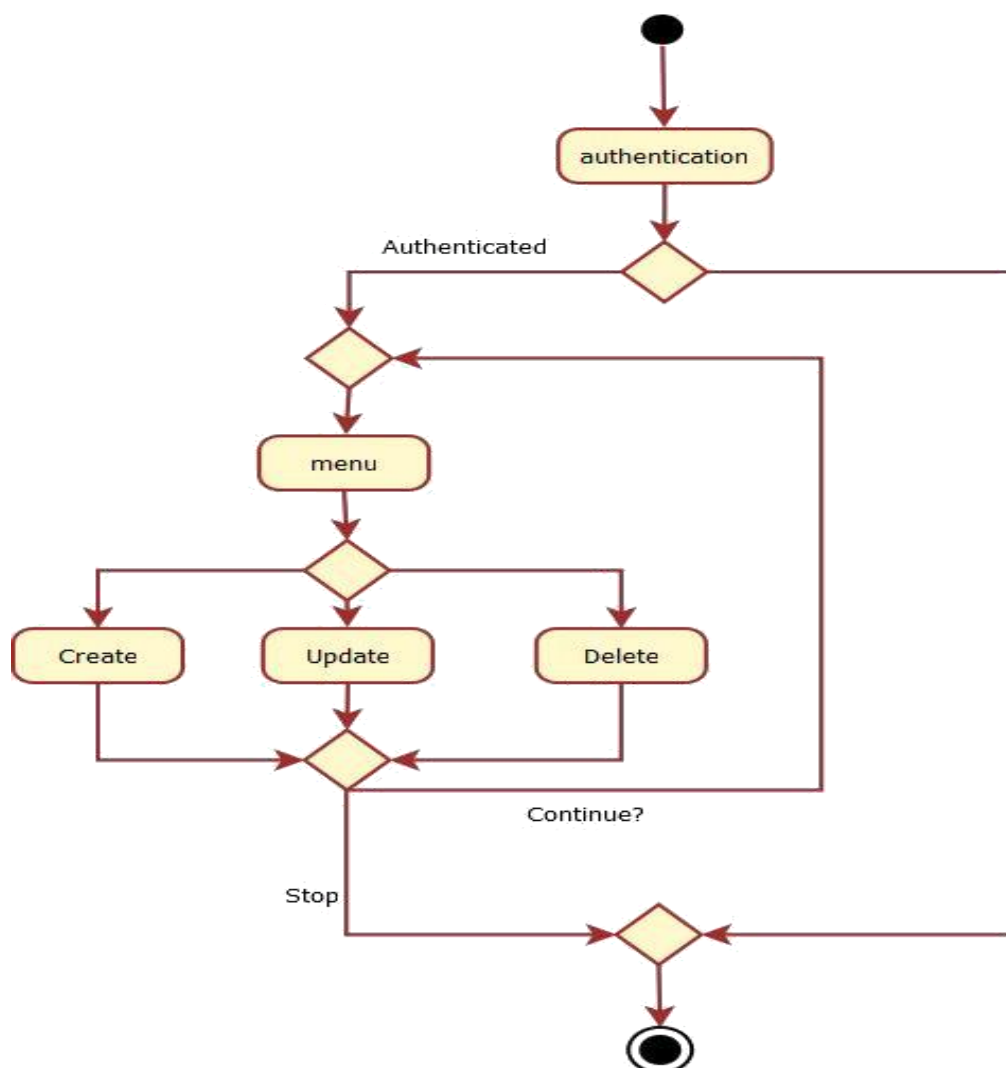
Datamodel package

Services package

1. [Chosen algorithm](#)

2. [Data structures](#)

3. [Global application flow](#)



## 4. Global schema and major features schema

### 3. Console operations description

#### 1. Authenticate

The user launches the application

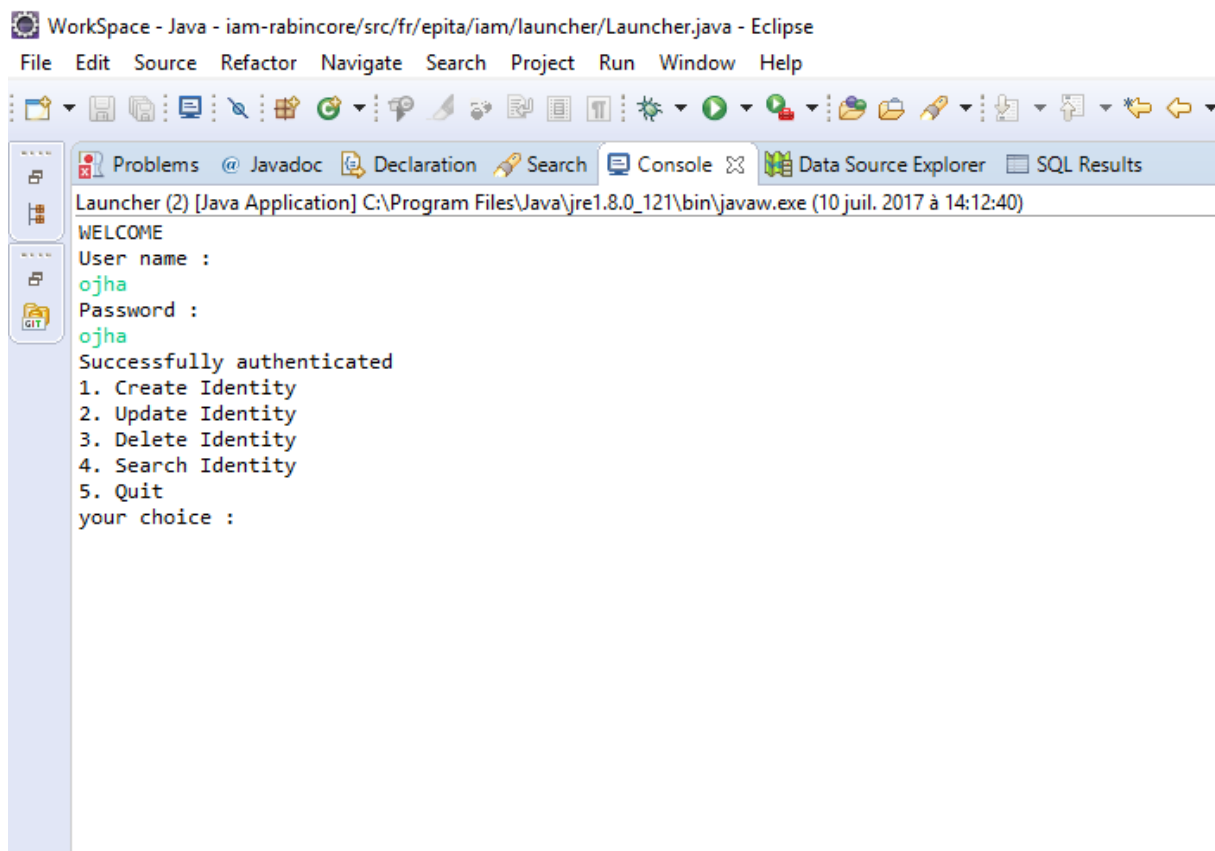
The application requests the login

The user enters a login name

The application requests the password

The user enters the password

The application return a successful message to user.



```
WorkSpace - Java - iam-rabincore/src/fr/epita/iam/launcher/Launcher.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Launcher (2) [Java Application] C:\Program Files\Java\jre1.8.0_121\bin\javaw.exe (10 juil. 2017 à 14:12:40)
WELCOME
User name :
ojha
Password :
ojha
Successfully authenticated
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :
```

## 2. Insert operation

The application prompt the user to select an action.

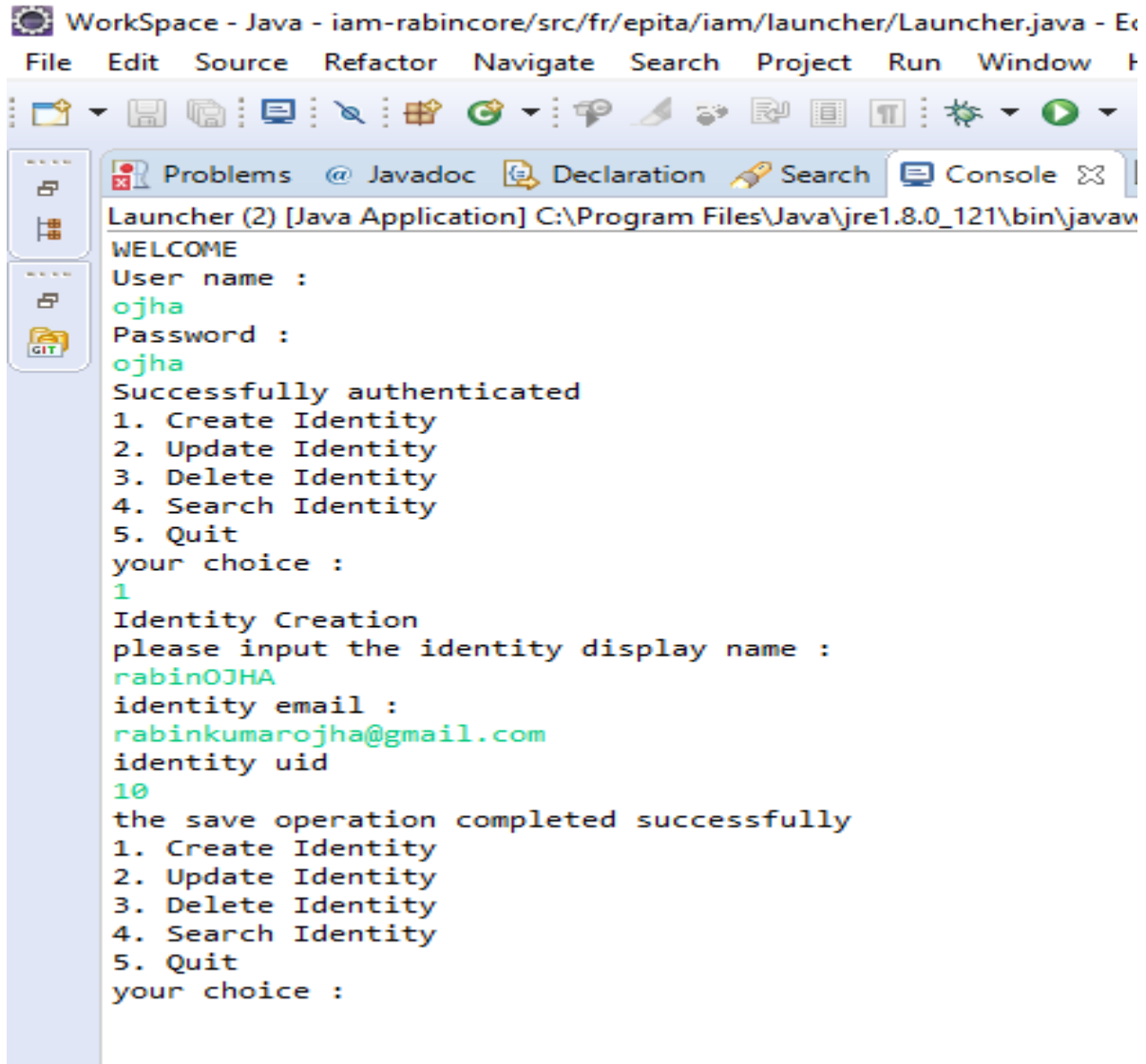
The user types “1”

The application prompts the user to enter all basic attributes of the Identities

The user enters values

The application creates an Identity

The application prompt the user to continue or the leave the application



```

WorkSpace - Java - iam-rabincore/src/fr/epita/iam/launcher/Launcher.java - Ec
File Edit Source Refactor Navigate Search Project Run Window T
Problems Javadoc Declaration Search Console
Launcher (2) [Java Application] C:\Program Files\Java\jre1.8.0_121\bin\javaw
WELCOME
User name :
ojha
Password :
ojha
Successfully authenticated
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :
1
Identity Creation
please input the identity display name :
rabinojha
identity email :
rabinkumarojha@gmail.com
identity uid
10
the save operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :

```

## 3. Update operation

The application prompt the user to select an action . The user types “2”

The application presents to insert a UID, which the user want update there attribute.

The application prompts the user to enter a value for that attribute The user enters a value for the selected attributes

The application update the identity

The application prompt the user to continue or the leave the application

#### 4. Delete operation

The application prompt the user to select an action  
The user types "3"

The application presents a list of identity created by their UID. User Select one UID he want to delete.SSS

The application delete the identity

The application prompt the user to continue or the leave the application

#### 5.Search operaton

This application prompt the user to select an action

The user type '4'

The application present to insert a UID what user want to search

The user enter the UID

The application search the identity and dispaly to user

The application prompt the user to continue or the leave the application

#### 4. Configuration instructions

##### 1. Setup the database:

- Download apache derby client
- Create an instance of derby name it instance name =mynew with username="ojha" and password="ojha" and table name is rabincore.
- run /db-derby-10.13.1.1-bin/bin/startNetworkServer
- Go to iam-rabincore/src/fr/epita/iam/config/config.properties  
edit user value with the user name you used to create your derby schema  
Do the same with password, the name if instance if you used your own values
- Go to iam-rabincore/sql run create\_tables.sql on your instance mynew

##### 2. Run the application:

- Go to iam-rabincore/src/fr/epita/iam/launcher execute ConsoleLauncher.java

##### 3. Developers:

- Go to iam\_rabincore/javadoc for documentation

## 5. Commented Screenshots

No screen shot is available .I have not implement the Graphical User Interface

## 6. Bibliography

[www.stackoverflow.com](http://www.stackoverflow.com)