



[Ngày]

Project

I-AM-CORE



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PROJECT I-AM-CORE

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I. 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. 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

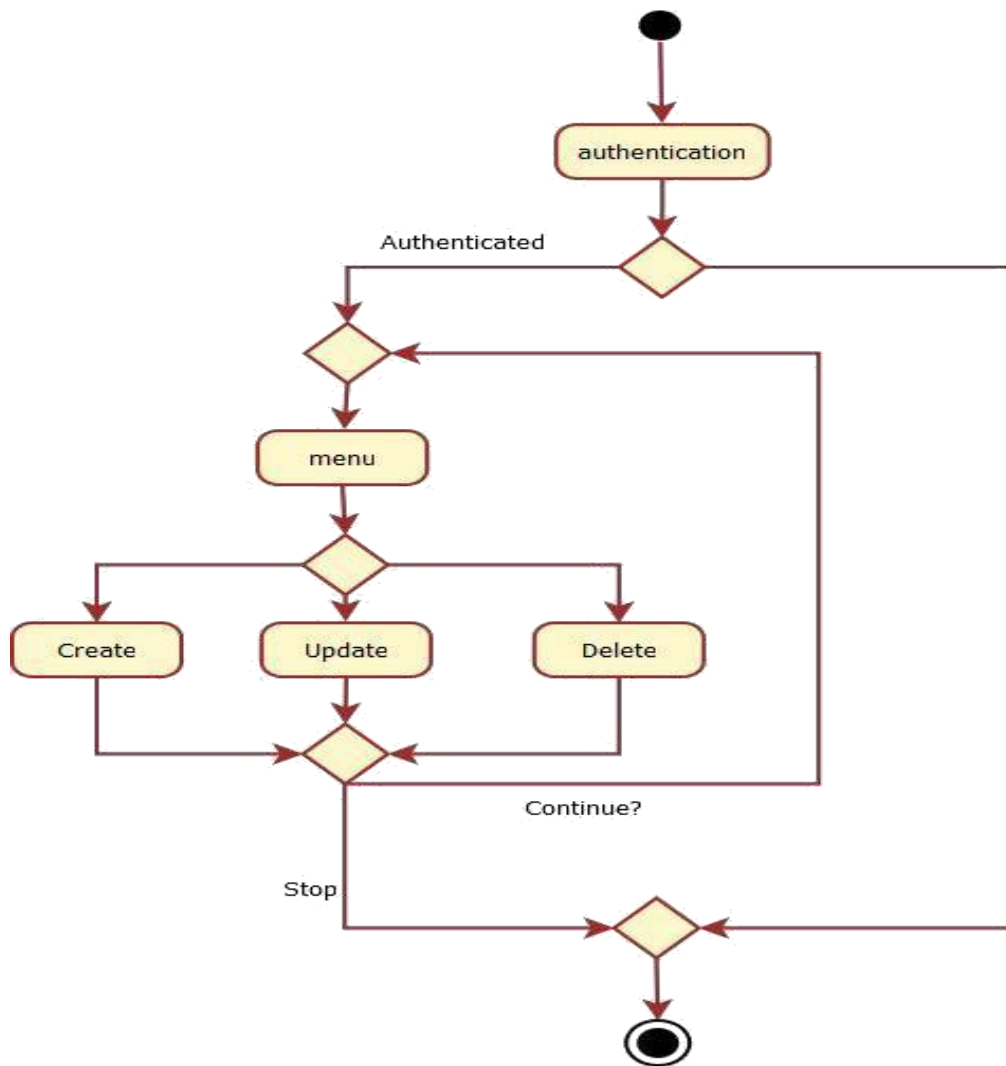
The search feature also is not well advance and search methods need to be implemented The Identity password is not yet secured

II. Conception

The application contains the following packages:

- ✓ Business package
- ✓ Launcher package
- ✓ Exceptions package
- ✓ Datamodel package
- ✓ Services package

1. Global applicationflow



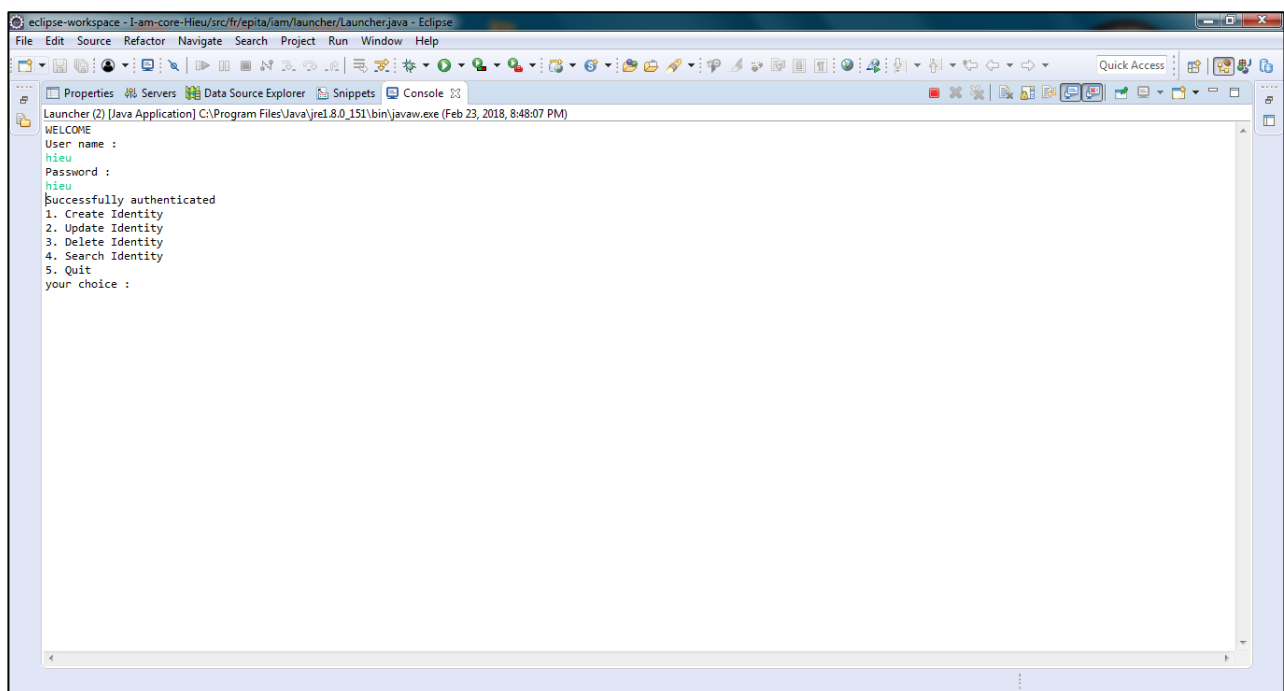
2. Global schema and major features schema

III. 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.



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

```

eclipse-workspace - I-am-core-Hieu/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_151\bin\javaw.exe (Feb 23, 2018, 8:48:07 PM)
WELCOME
User name :
hieul
Password :
hieul
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 :
test 1
identity email :
hieul@test.com
identity uid
0001
the save operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :

```

3. Update operation

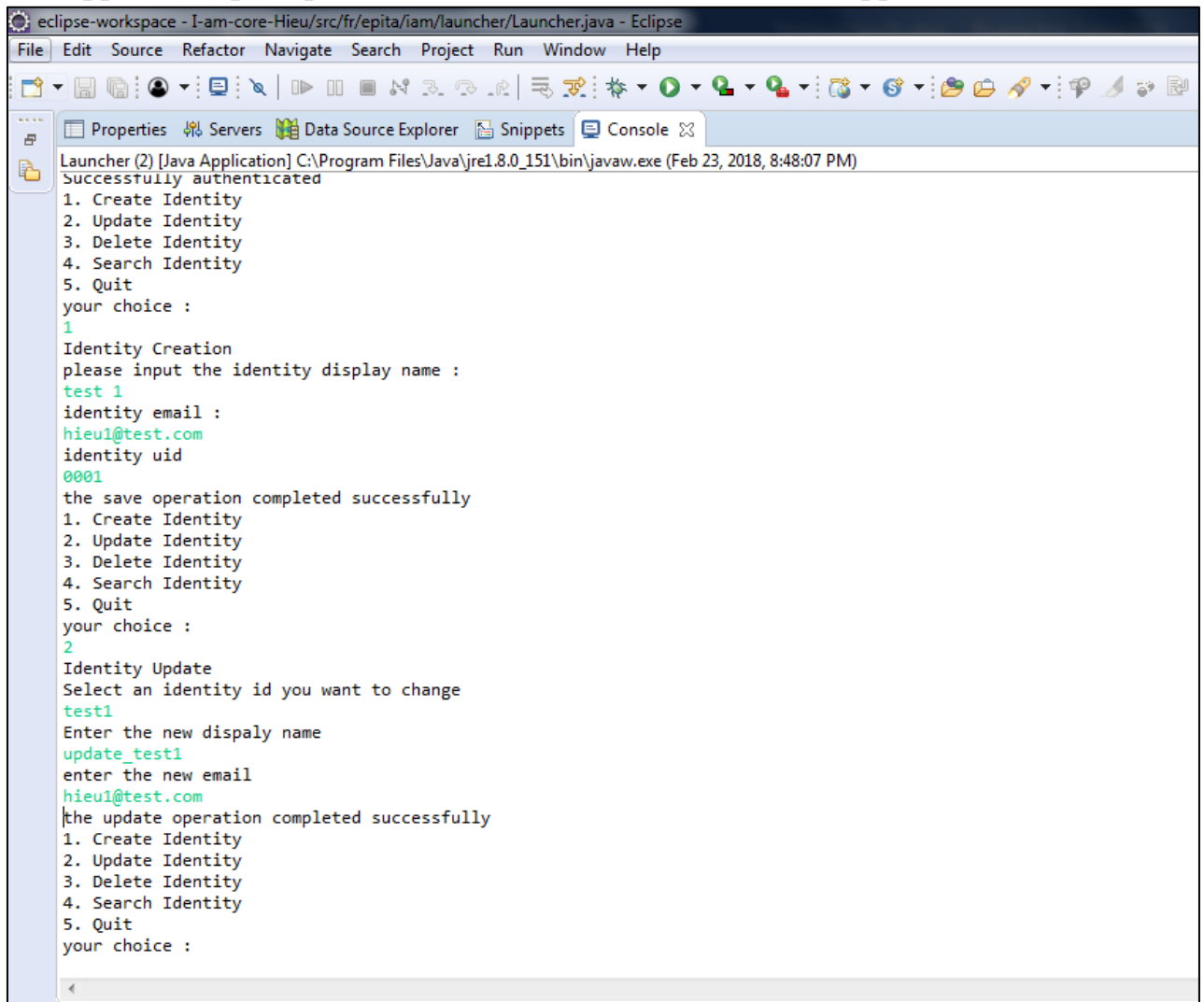
The application prompt the user to select an action . The user types “2”

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



```
eclipse-workspace - I-am-core-Hieu/src/fr/epita/iam/launcher/Launcher.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Properties Servers Data Source Explorer Snippets Console
Launcher (2) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Feb 23, 2018, 8:48:07 PM)
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 :
test 1
identity email :
hieul@test.com
identity uid
0001
the save operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :
2
Identity Update
Select an identity id you want to change
test1
Enter the new display name
update_test1
enter the new email
hieul@test.com
the update operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :
```

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

```

eclipse-workspace - New Derby(0)/SQL Scrapbook 1 - Eclipse
File Edit Navigate Search Project Run Window Help
Project Explorer
I-am-core-Hieu
├── src
│   ├── fr.epita.iam.business
│   ├── fr.epita.iam.datamodel
│   ├── fr.epita.iam.exceptions
│   └── fr.epita.iam.launcher
│       ├── Launcher.java
│       └── Launcher
│   └── fr.epita.iam.services
├── JRE System Library [JavaSE-1.8]
├── Referenced Libraries
├── javadoc
├── readme.txt
└── sql file
Properties Servers Data Source Explorer Snippets Console
Launcher (2) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Feb 23, 2018, 8:48:07 PM)
hieul@test.com
identity uid
0001
the save operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :
2
Identity Update
Select an identity id you want to change
test1
Enter the new display name
update_test1
enter the new email
hieul@test.com
the update operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :
3
Identity Deletion
you have selected identity deletion
Enter the idntity uid to delete
update_test1
the Delete operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :

```

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


```

eclipse-workspace - New Derby(0)/SQL Scrapbook 1 - Eclipse
File Edit Navigate Search Project Run Window Help

Project Explorer
I-am-core-Hieu
├── src
│   ├── fr.epita.iam.business
│   ├── fr.epita.iam.datamodel
│   ├── fr.epita.iam.exceptions
│   ├── fr.epita.iam.launcher
│   │   ├── Launcher.java
│   │   └── Launcher
│   ├── fr.epita.iam.services
│   ├── JRE System Library [JavaSE-1.8]
│   ├── Referenced Libraries
│   ├── javadoc
│   ├── readme.txt
│   └── sql file
└──

Launcher (2) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Feb 23, 2018, 8:48:07 PM)
test1
Enter the new display name
update_test1
enter the new email
hieu1@test.com
the update operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :
3
Identity Deletion
you have selected identity deletion
Enter the identity uid to delete
update_test1
the Delete operation completed successfully
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :
4
Identity Search
Enter the uid to search
1
the your search item Is:
[Identity [displayName=hieu, uid=1, email=h@e.com]]
1. Create Identity
2. Update Identity
3. Delete Identity
4. Search Identity
5. Quit
your choice :

```

IV. Configuration instructions

1. Setup the database:

- Download apache derby client
- Create an instance of derby name it instance name =mynew with username="hieu" and password="hieu" and table name is hieu.
- run /db-derby-10.13.1.1-bin/bin/startNetworkServer
- Go to i-am- core-hieu/sql run create_tables.sql on your instance sample

2. Run the application:

- Go to i-am-core-hieu/src/fr/epita/iam/launcher execute ConsoleLauncher.java

3. Developers:

- Go to i-am-core-hieu/javadoc for documentation

4. Commented Screenshots

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

5. Bibliography

www.stackoverflow.com

<https://github.com/thomasbroussard>