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Project description

IAM-CORE-FUNDAMENTAL

EPITA 2017

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1. Subject analysis

1.1 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.

1.2 Application Feasibility

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

1.3 Data description

The user will enter:

Display name

Email

ID

Actions to perform

1.4 Expected results

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

1.5 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

2. Conception

The application contains the following packages: - Business package

* Launcher package
* Exceptions package
* Data model package
* Services package

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3. Console operations description

3.1 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.

3.2 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.

3.3 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 their 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.

3.4 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 wants to delete.SSS.

The application delete the identity

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

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3.5 Search operation

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 enters the UID.

The application search the identity and display to user.

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

* 1. Configuration instructions
  2. Setup the database:
* Download apache derby client
* Create an instance of derby name it instance name =newdb with username="jalal" and password="jalal" and table name is ahamed.
* run /db-derby-10.13.1.1-bin/bin/startNetworkServer
* Go to iam-core-fundamental/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-core-fundamental/sql run create\_tables.sql on your instance newdb

4.2 Run the application:

* Go to iam-core-fundamental/src/fr/epita/iam/launcher execute ConsoleLauncher.java

4.3Developers:

* Go to iam-core-fundamental/javadoc for documentation

6. Bibliography

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

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