# **Actors**

## **Admin**

Admin of the website can:

* Add a Lesson
* Edit a Lesson
* Delete a Lesson
* Add a Quiz
* Edit a Quiz
* Delete a Quiz
* Manage the Students or Clients
* Delete a Student or Client

## **Student (Client)**

Students can access, read, and listen the lesson. They are able to write in the ***writing section*** when they want. They also can:

* Send a friend request to another student.
* Accept a friend request from another student.
* Chat only with friends.

They should pass the quiz to continue learning. A student can retake a lesson. Students can chat with a robot (*future*). A student can view and edit his/her profile. When a student want to stop learning, he/she can deactivate his/her account.

## **System**

The system can record the progress of a student. The system should have a chat application. Every sentence should have both the pronunciation and meaning. Every lesson should have a quiz. The quiz should cover all the contents of the lesson.

# **Database UML**

## **In Code**

Table users {

  id integer [primary key]

  username string

  password string

  LastName string

  firstName stirng

  Email string

  role boolean

  created\_at timestamp

  lesson\_id integer

}

Table lessons {

  id integer [primary key]

  title varchar

  deutsch text [note: 'Lessons Content in Deutsch']

  dari text [note: 'Lessons Content in Dari']

}

Table quiz {

  id integer [primary key]

  number integer

  quiz text

  answer text

  lesson\_id integer

}

Ref: users.lesson\_id > lessons.id // many-to-one

Ref: quiz.lesson\_id > lessons.id // many-to-one

