**MOOC System**

**Supervision Team**

* Professor : Rania El Gohary
* TA : Basma El Banna

**Team Members**

* Bassant Mahmoud
* Basma Hassan
* Eman Mohamed
* Hanan Hassona
* Aya Rafat
* Dina Essam

**Requirements of system**

1. The MOOC system shall allow the user to register to the system.
   1. Ask the user if he is a student or educational organization.
   2. If the user is a student ask about his name, password and email.
   3. If the user is an educational organization ask about organization name, fields educate by the organization, tutors names ,email and password .
   4. Adds the information in the database of the system.
2. The MOOC system shall ask the user to log in.
   1. Allow the user to write username and password.
   2. Search in the system database about this information.
   3. If it is valid so the system allow the user to log in his account in the system.
   4. If it invalid the system display message to the user to renter the username and password again.
   5. If the user enters password or username wrong 5 times the system send to him message to his email with the password and username.
3. The MOOC system displays to the student all the available fields.
   1. Display all the fields available in the system database.
   2. The system shall display to the student the available courses in the chosen field.
4. The MOOC system shall allow the user to search for courses by the university, topic or tutor.
   1. The user enters the topic he wants to search about.
   2. The system check in the database about the topic.
   3. Display all the results to the user.
5. The MOOC system shall allow the user to enroll in courses.
   1. The student chooses the course that he wants to enroll in.
   2. All details about this course display to the student.
   3. Then the student chooses enroll button.
6. The MOOC system shall alert the student whenever any update in the courses he enrolled in.
   1. When the tutor update in the course.
   2. The system sends emails to all students enrolled in this course to alert them.
7. The MOOC system shall allow the student to make feedback about the course by rating it after completion or write a review weekly.
   1. After the lecture in the course end the system ask the student to write feedback.
   2. All the students’ feedback are sent to the tutor after the lecture.
   3. After completion of the course all students must rate the course.
   4. The rate adds to the course details.
8. The MOOC system shall give the student activities and assignments to do on their own time to assure that learning is taking place.
   1. The tutor must give assignments to all students who enroll in his course.
   2. If the student doesn’t send the solution of the assignments he can’t complete the course.
9. The MOOC system should give certificates to the student if they attended the course and successful completion it.
10. The system shall allow educational organization to upload courses
    1. The educational organization writes all details about the upload course such as (course name – course field – deadline for enrolling course).
    2. The system adds the course in the database and allows students to enroll in.
11. Every course provides a forum for communication between the user and the educational organization.

**Non-Functional Requirement**

* + - * 1. The system without limitations and with the possibility to modify and get new updates.
        2. System shall be secured.
        3. System must be tested to minimize errors and system become more stable.
        4. System should be performance.
        5. System shouldn’t waste the storage space.
        6. A MOOC generates a large amount of information and it is necessary a large-enough and scalable storage system.
        7. The system must be easy to install, use and customize, and a user should not need advanced technical knowledge.
        8. The system must distinguish between registered and unregistered users.