**Learning Management System Requirements**

Project Description

This system is a web-based online learning platform that aims to facilitate the educational process and helps saving money and time by providing educators, administrators and learners with the ability to create a personalized learning environment. It allows instructors to build courses on topics of their choosing, helps them organize these courses, and deliver the content to Trainees so that they can access these Courses completely online and get a certificate upon completion.

System Users

* Admin

Sets the Configuration of the System, Manages Categories of the website (add, edit and delete), Reviews Category Requests (Requests to add new Categories), Reviews the Requests of Moderators and Approve them, and has the full privileges of a Moderator.

* Moderator

One moderator or more for each Category Depending on Approval of the Admin, Reviews the Requests of Instructors only in his Category and Manage them, and has the full privileges of an Instructors.

* Instructor

Creates and Edits Courses in his Category depending on Approval of the Moderator or the Admin, uploads the Material of his courses, sets the start date and end date of his courses and sets their Final Quiz Questions and their Passing Score.

* Trainee

Signs up without needing for approval, searches for and enrolls in the courses he desires, takes the course and its quiz, and, if he passes, gets his certificate, and he Rates and Evaluates the Course and the Instructor.

The Project Requirements

* Admin Management
  1. The Admin Manages the Categories (add, edit or delete) and accepts or rejects requests for new categories.
  2. The Admin would accept the request of the Moderators based on their CVs and Requests.
  3. He has a dashboard with a summary of all Categories, Moderators, Courses, Instructors and Trainees Statistics.
  4. He has the full Privileges of a Moderator.
* Categories Management
  1. The Admin can Create, Edit and Delete Categories. Each Category has its name and description.
  2. Moderators Can Request a new Category, which needs an Approval form the Admin.
  3. Each Category has a Moderator or more, to Manage its Instructors.
  4. The Admin has the Moderators’ Privileges in all Categories.
* Moderators Management
  1. A Moderator Signs up and uploads his CV.
  2. He Select an existing Category to moderate, or requests a new Category.
  3. He needs an Approval from the Admin who determines manually whether or not the Moderator is Qualified enough.
  4. He reviews the Instructors’ Requests of his Category.
  5. He has the privileges to activate and deactivate the Instructors of his own Category.
  6. His Privileges is exclusive in his Category.
  7. He has full Privileges of an Instructor.
* Instructors Management
  1. An Instructor Signs up, uploads his CV and selects a Category of his Specialization.
  2. His signing up needs an Approval from the Moderator of the Category to be Activated and Allowed to create Courses.
  3. He has a Rating and Evaluation Based on feedback of his Trainees. The Rating would be publicly available in his profile.
  4. He creates new Courses, determines its availability period, upload its Material (videos, images, pdf, articles, etc.) and set the Final Quiz Questions and passing score.
  5. He can edit the timeline of his course or its description or even delete the course.
  6. He can see Quizzes Results, Questions with their right answers , and a percentage to determine which question is easy for students and which is hard.
  7. He has a dashboard of his summary.
  8. He can view Trainees’ history including their enrollments in his courses, certificates, and feedback.
  9. An instructor can be a trainee at another course at the same time.
* Trainees Management
  1. A Trainee Signs up and sets his profile data, including personal information, contact information, and CV.
  2. The Admin and the Moderator of the category can Keep and View Trainees’ History, including the details of their courses enrollments, certificates and feedback.
  3. A trainee can keep and view his history including the details of his courses’ enrollments, certificates and feedback.
  4. The system Sends announcements and notifications to trainees for courses that they booked when they are available.
  5. When A Trainee enrolls in a new course and finishes his first session, he would be allowed to rate the Course with five-star questions, and after finishing the whole course he would Evaluate the Course with a full form.
  6. After finishing the Course, he would be required to pass the final Quiz to get his certificate.
* Courses Structure Management
  1. An Instructor creates Courses, and manages them (edit or delete)
  2. Courses would be available in the period that was set by the Instructor.
  3. The Rating of the course is publicly available in the course page and the Instructor’s Profile.
* Courses Rating Evaluation Questionnaires Management
  1. After the Trainee finishes his first session, he will be able to rate the course with five-star questions that measure his satisfaction.
  2. After the Trainee finishes the whole course, he will be asked to fill a Questionnaire that measures his satisfaction with the course.
  3. Both Rating and Evaluation would be in the Instructor’s Profile and the average of them would determine the rating of the Instructor.