



Al-Imam University
Computer Science Department
College of Computer and Information Sciences

CS290: Software Engineering
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Electronic training platform

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1. Introduction

1.1. Scope

An interactive system, an electronic platform, and a mobile phone application according to one of the findings of information technology, the provision of electronic services and the improvement of communications in the field of training to ensure the achievement of complete automation of the business between the training administration, the training service providers and the beneficiaries with high quality and efficiency.

1.2. Definitions, Acronyms, and Abbreviations

Key	Definition
PoTHMs	Presidency of the Two Holy Mosques
ETP	Electronic Training Platform
Trainer	Someone who gives the courser in ETP.
Trainee	Someone who will take the courses in ETP.
Admin	The one who will guide, request and managing the ETP.
Administrator	One or a group of people who will manage the courses, Will be appointed by the manager.



1.4. Aim

To discuss the system in “High Level language” to the user with simple diagram, by approval from the customer, we will describe the details in the next chapter.

1.5. Main Functionality

- Support the two language (Arabic- English).
- Support all recent devices.
- Considering the ease of use in displaying the contents of the system.
- ETP show the details to any visitor
- The order in ETP will pass to many stages to be answered

1.6. Product Component

2. Specific Requirements

2.1 Functional Requirements

Home page

- Sign up and sign in icon.
- About us icon/video.
- Language icon.
- Search box.
- Categories of courses list.
- Train on *ETP* icon.
- recently common courses.
- announcements label.
- Trainers overview.
- Contact information.
- Help icon.
- Privacy policy.
- Usage policy.
- Get app.

Trainee page

- Sign in/out icon
- My account icon.
- My courses icon.
- preferences icon
- Notification's icon.
- Categories of courses list.



- Contact with trainer icon
- Certification icon

Trainer page

- Sign in/out icon
- My account icon.
- Notification's icon.
- courses setting
- contact with administrate icon
- contact with trainee icon
- feedbacks from trainees
- Statistics of trainees

Administrator page :

- Setting system icon.
- Trainers' acceptance/ management.
- Courses setting
- View trainer's / trainee's information.
- Today's courses table with corresponding trainers.
- Trainee's certificates.
- reports for trainer's performance.
- Classification User's problems.

Admin page :

- Administrators' supervising
- Administrators' performance.
- Communicate with training bodies for the courses.
- Communicate with any bodies related to the system.
- managing courses' content
- statistic's reports.
- management and finance..
- General supervision of the project and outcomes.

2.2. Non-Functional Requirements

Security	<ul style="list-style-type: none">• The access permissions of the platform data can only be changed by the system data administrator.• Login / Access Levels.• Data protection used.
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Performance	<ul style="list-style-type: none">• Response times .• Download the platform.• The speed of moving between pages.• Browser refresh time.
Maintainability	<ul style="list-style-type: none">• The ease with which the system can be maintained• Compliance with approved design standards and design principles.• Compliance with Technical Design Standards - Coding Standards.
Usability	<ul style="list-style-type: none">• Ease of access to and use of specific functionality.• How easy it is for users to accomplish a desired task?
Reliability	<ul style="list-style-type: none">• The ability of the system to perform the required functions under the specified conditions.• Level of protection to access specific parts of the system.

2.3. Activity Diagram

In this diagram we will explain the system to the user in a simple way, after approval, we will show the details of the system.

This diagram shows the user interactions with the system, who will enter and what is his/her turn.

