IT Department IT-326 Web Programming

Coursework Assignment (Group Project)

Spring Semester, 2021/22

Table of Contents

Introduction

This document defines the goals and requirements for the IT-326 Web Programming group coursework project during the spring semester of the academic year 2021/22, for the 3rd-grade students in IT Department.

Overview

The aim of this assignment is to let students appreciate the concepts of web programming and to practice their main processes and activities. The assignment particularly focuses on practicing web development techniques and functions that they have studied during the semester, experiencing a software version control system, additionally, the assignment aims to strengthen problem-solving skills a sense of collaboration, and teamwork skills amongst the students.

Project Description

The aim of this coursework is to let the students practice the processes of web development.

Each student is required to develop a web application, using PHP as a backend and Mysql as a Database system, teams are encouraged to use extra technologies and techniques that we may not study during the course like VueJs, Bootstrap, Tailwind... etc.

Each team is required to present a complete description of the project and explain the requirements of the system, their interpretation of the requirements, and their solutions and implementations of these requirements. and present them at the submission deadline as a presentation.

- To be a complete web application
- To have a responsive and modern front-end designed with bootstrap or similar frameworks.
- The database should have at least 5 tables.
- To have a login and registration.
- To have all the CRUD(Create, Read, Update and Delete) operations.
- To have at least two types of users, admin, and regular users.
- The admin can manage all the users and everything else on the web application.
- The user can only manage his/her own parts of the web application. ● The complete code of the system must be available

Team (Group) Setup

1. Each team will have 3 members.
2. The team setup must be accomplished by the end of March.
3. Each team shall select a topic for their project, and submit it with their names.
4. The team shall select among themselves a Project Manager.
5. The Project Manager (PM) is responsible for the management of the team in conducting their project to do the current coursework in time and will receive a bonus mark.

Requirements

1. All members should participate in the project by playing their roles.
2. The teams should provide a presentation, explaining the requirements of the system they are developing and the development process. It should be thorough and must cover all aspects of the project.
3. The team should submit a complete web application built with PHP and has all the characteristics specified in section 3 (Project Description), before the submission deadline.

Project List

You can choose a project from this list or bring your own project ideas.

1. GYM Registration & Login and User Management System With admin panel
2. CRM (Customer relationship management)
3. Clinic Management System
4. Online Shopping Portal
5. Tourism Directory of Kurdistan
6. Car Rental Management System
7. Online Library Management System
8. Student Result Management System
9. Employee Leaves Management System (ELMS)
10. Vehicle Parking Management System
11. Apartment Management System
12. Beauty Parlour Management System
13. Teachers Record Management System

Coursework Due Dates

Submission:

> **Saturday, 21st May 2022 by 23:55 PM**

Presentation:

> **22nd - 26th May 2022**

Late submission will not be accepted, please use your time wisely.

The assignment should be compressed and uploaded to the Edmodo.

Evaluation Factors

Coursework would be assessed based on the following scheme:

No	Item	Mark
1	Presentation	20%
2	Final Software	20%
3	Questions	60%