IWDV202 Semester 2 Assignment 2 Due Date 28 October 2024 by 23:59

Instructions:

- For this assignment you are required to build an IT Project Management web application using ASP.net core web APIs with entity framework for the backend, React-Bootstrap or just React for the front-end and MSSQL Server for the database.

- The goal of this project is for a Project Manager to be able to assign tasks to team members and to keep track of the tasks.

- Some parts of the project are not taught in class and will fill the research part of the course.

  Scenario:

- You have been tasked to develop a Project Management web application.

- An Administrator should be able to add three types of users, a Project Manager, a Systems Analyst, and a Web Developer. The system should use a Role Based Authentication and Authorization system for logging in.

- An administrator should be able to Add, Update and Delete the users (Project Manager, Systems Analyst and Web Developer) into/from the system.

- The Project Manager should be able to Login/Logout, create a project and assign tasks to the team members (Systems Analysts and Web Developers) for that project.

- The following details are necessary for the user details: name, surname, and job title.

- Each task should have a task title and a description.

- All properties/attributes are mandatory.

- The Project Manager should also be able to see a list of all the other employees (users). They should also be able to search for a specific employee by name.

- The Project Manager should also be able to view a list of the other employees by title.

- The Systems Analysts and Web Developers should be able to view tasks assigned to them.

- They should also be able to change the task status from "To Start" to "In Progress" and "Complete". (For this you could use a Dropdown List/Select control.)

- The Project Manager should be able to see tasks by status (with assigned time of completion and actual time of completion) and who they are assigned to.

Functionality for Administrator includes:

- Create Project Manager, Systems Analyst and Web Developer with their roles.

Functionality for Project Manager includes:

- Login/Logout

- Create, Read, Update and Delete projects and tasks.

- Keep track of task status.

Functionality for Systems Analyst/Web Developer includes:

- Login/Logout

- View tasks.

- Change task status.

- View task by status.

- You are to present this using a no longer than 5-minute video. Present your video showing your required functionalities. Remember you cannot get a mark for something not shown in your presentation.

- For your video, do not record a computer screen using a mobile phone but use any relevant video app.

- Only one person should submit on behalf of the group.

- Submit a Zip folder with the project, video and a document with your group name, student names, student numbers and signatures and a link to your video.

- Please keep file names in the zip folder short to eliminate any download extraction issues because of long file names.

- Upload the video on YouTube or platform of your choice and provide an accessible link. The link shouldn't require me to log into any platform otherwise no marks so please test or ask someone to test before submitting.

- DO NOT PRESENT CODE!

- Marking will be based on what is on the video checked against the rubric. No running of code when marking.