German University in Cairo
Media Engineering and Technology
Dr. Mervat Abouelkheir

Databases I, Winter 2021
Project Description
"PostGrad"
Milestone 3
Deadline: 31/12/2021

Requirements:

In this milestone, you are required to implement a website that connects to your database to perform the different functionalities described in the project.

Deliverables:

You are required to submit the following:

- **.zip** file, named after your team number, having the following documents:
  - Source code of the submitted website: All the source code files needed to run the project.
  - SQL Script of the implemented Database: SQL file containing the script of the data of the database that you have implemented on SQL Server (submit the script (Milestone 2) if you haven't modified anything).
  - A PDF file containing :
    * Team members' names.
    * Team members' tutorial groups.
    * Team members' application numbers.
    * Team members' chosen component.

Submission guidelines:

- The deadline of submission for this milestone is Friday 31st of December at 11:59 p.m.

- **No late submissions** will be accepted under any circumstances.

- In case no one submitted from a certain team the whole team will be assigned a zero in milestone 3.

Read the following carefully:

- In this document, we divided the website into four components. All components should be **integrated** together. If your team is less than four members then two of the components has to be the **Student and Supervisor** components. Each team member should be assigned to one component to implement.
  ** The General Component is a MANDATORY ** one and all the team members will be graded on general component.

- Each team is required to choose the component that he/she will be working on and add it to the PDF file as mentioned in the Deliverables.

- In case a team member didn't submit the above form, his/her evaluation grade will be for all the components of the milestone.

- No team members can be assigned to the same component.

- Each team member will be evaluated and graded according to the component he/she was assigned to + general Component.

- If your team is less than 4 members you don't have to cover all components. For example, if you are only 3 members, then you have to choose the first 2 components (Student and Supervisor Components) and any other component, where each member will be assigned to a component.

- The General Component will be implemented by all Team members. The Team members will be equally graded in this component.

Web Application Components

Note that:

a) You have to show whether any action on the website was successful or not. In case of any unsuccessful action, you need to notify the user with the reason and the steps needed to correct the action.

b) If a stored procedure/function from Milestone 2 was incorrect or missing any input/output, you have to correct it before using it in this milestone.

c) The items of each component should be integrated with each other. Furthermore, all components should be integrated together. In other words, we should be able to navigate through your website from one functionality to another by interacting with the web pages of the website and NOT by changing the URL.

General Component:

a) Register to the website
   - I should be able to register as a student (GUCian and NonGUCian), as a supervisor and as an examiner separately.

b) login using my email and password.

c) add my telephone number(s).

1.Student Component :

In this component you are required to deliver all pages of the application that holds the following functionalities for any signed-in User:

a) View my profile that contain all my information.

b) List all my theses in the system.

c) List all my courses and their grades in the system (nonGUCian student).

d) Add and fill my progress report for my on going thesis.

e) I can add a publication and link it to my on going thesis.

2.Supervisor Component :

In this component you are required to deliver all pages of the application that holds the following functionalities for any **signed-in Contributor:**

a) List all my studentsâs names and years spent in the thesis.

b) View all publications of a student.

c) Add a defense for a thesis and add examiner(s) for the defense.

d) Evaluate a progress report of a student, and give evaluation value 0 to 3.

e) Cancel a Thesis if the evaluation of the last progress report is zero.

3.Admin Component:

In this component you are required to deliver all pages of the application that holds the following functionalities:

a) List all supervisors in the system.

b) List all Theses in the system and the count of the on going theses.

c) Issue a thesis payment.

d) Issue installments as per the number of installments for a certain payment every six months starting from the entered date.

e) Update the number of thesis extension by 1.

4.Examiner Component:

In this component you are required to deliver all pages of the application that holds the following functionalities:

a) Edit my personal information, my name and fieldOfWork.

b) List all theses titles, supervisors, and students names I attended defenses for.

c) Add comments for a defense.

d) Add grade for a defense.

e) Search for thesis where the title contains the entered keyword.

   Note: add the needed stored procedures to satisfy the requirements of the component.