German University in Cairo
Media Engineering and Technology
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Databases I, Winter 2021
Milestone 2
Submission: 16/12/2021 (11:59 pm)

In this milestone, you need to check the guidelines and use the relational schema and the user stories posted. You should also take into consideration the original project description that was posted for Milestone 1.

You are required to submit a zip file, named after your team name, having the following documents:

a) SQL files containing the script of both the data and the schema of the database. However **no wizards** will be used to perform any of the tasks.

   The files will include the following:

   - SQL file containing the script for tables creation and the relations between them including all needed keys, constraints and formulas.
   - SQL file containing the script for inserting consistent and **real data** inside the tables that covers all the possible scenarios of the user stories, with the mandatory data mentioned in Section 1.
   - SQL file containing the script for creating all the stored procedures and functions that will be used to implement all functionalities mentioned in the User Stories file. You must include a comment above each procedure or function containing the user story number and description corresponding to it. In other words, you should document your SQL file.
   - SQL file containing the script for executing all stored procedures and functions in your database.

b) The name of the procedure should be written exactly as it is mentioned in the description or it will NOT be graded.

c) A PDF file containing:

   - Team members' names.
   - Team members' tutorial groups.
   - Team members' application numbers.

Submission guidelines:

a) Only one copy of the documents will be submitted via ONE team member.

b) Submission will be via the submission link available on the course website.

<u>**Please note that:**</u>

- Creations of the tables have to be in order, as the script will be run only once and the database should be created with all the tables at once with no errors.

- Stored procedures and functions have to be ordered according to the order of the user stories listed below.

- The stored procedures and functions should have descriptive names.

- **No late** submissions will be accepted.

- It is your responsibility to make sure that the files were uploaded successfully on the website.

- Not following any of the conventions, or having an problems with the order of tables creation would lead to losing marks.

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1 Data Insertion

Your file should contain insertions for at least the following:

1 15 Theses of both types.

2 Thirteen Users with the different types.

3 Progress reports filled and evaluated.

4 Payments with installments.

5 Courses attended by non Gucians.

6 Defenses and the examiners attending them.