

Software Engineering Project Phase 2 Requirements

Phase 2: Implementation

Each team should deliver the following requirements for the assigned project idea:

There must be 2 different forms using ODP.Net with different functionalities depending on the project idea and 2 different Crystal reports

A. Using ODP.Net connected mode (OracleConnection and OracleCommand) to:

1. Select rows from DB using bind variables and command parameters
2. Insert rows (without using procedures)
3. Select ONE row from DB using stored Procedures (**without using sysRefCursor [use out parameters of number data type]**)
4. Select multiple rows from DB using stored procedures.

B. Using ODP.Net Disconnected mode (OracleDataAdapter and Dataset) to:

1. Select certain rows for a given value entered by the user on the form
2. Update using oracle command builder

C. Using crystal reports to create reports with:

1. Grouped columns / Summarized columns
2. Using Parameters
3. Calling reports from C#

D. GUI:

There should be a main form containing menus to open all forms and reports of the project

Delivery Instructions:

- Delivery Deadline will be on **Saturday 7-May-2022** at 11:59 PM.
- Each team should submit the required task as a **ZIP** file that includes:
 1. Visual Studio Project Folder
 2. Script of the Created Tables and Stored Procedures in Word File
 3. A cover page with the following details (Project Name, Assigned TA Name, Team ID, Team Members' names in Arabic, Seat numbers, Department)
- Team leader should submit the Zip file to the submission form in the below link, and the name of the Zip file should be written as follows:

[Mainstream/BIO/SWE/AI/DMM]_[Team ID]_[Project Title].zip

Submission Form:

<https://forms.gle/wBayUsTiFQy8gzUW6>