

Database Project Phase2 requirements – 2020

Phase 2: (Implementation)

Using ODP.Net & Crystal reports (**Make use of ALL points covered in labs**)

There must be at least 5 different forms with different functionalities depending on the project idea and 3 different Crystal reports

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

1. Select one or more rows from DB without where condition
2. Select one or more rows from DB **using bind variables and command parameters**
3. Insert , Update and Delete rows (without using procedures)
4. Select **ONE** row from DB using **stored Procedures** (without using sysRefCursor **[use out parameters of number data type only]**)
5. Select **multiple** rows from DB using **stored procedures**.
6. Insert, Update and Delete rows 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. Select All rows from certain table
3. Insert, update, delete using oracle command builder

C. Using crystal reports to create reports with:

1. Grouped columns / Summarized columns/ Formulas / Labels to enhance design and readability
2. Parameters with different data types
3. Calling reports from C#

D. GUI:

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