

Database course Project requirements – 2017/2018

Project is divided into two phases:

Phase 1: (ERD) printed + softcopy

1. Designing the ER Diagram for the project.
2. Designing schema diagram.
3. Creating the tables and relationships physically on oracle SQL Developer.

Phase 2: (Implementation)

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

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)
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
4. Master-detail form

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 or menu connecting all forms and reports of the project

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