

# **Software Engineering Project Requirements**

**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:**

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:**

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
2. Summarized columns (Use both Formula and Summary fields)
3. Parameters
4. Calling reports from C#

## **D. GUI:**

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