

Project Guidelines:

- **PROJECT REPORT (ONE SOFT COPY PER GROUP, USE **PDF FORMAT**)**

Cover Page

- AIUB logo
- Project Name
- Group Members NAME & ID
- Course Name and Section

Contents

- Make sure your report has a contents page
- Make sure all the pages of your report are numbered in accordance with the contents page

Introduction

- Give a short introduction to your project in non-technical terms

Project Proposal

- Explain the project you are proposing

Class Diagram, Use Case Diagram, Activity Diagram

- Draw the Class Diagram, Use Case Diagram and Activity Diagram of your proposed system
- You already learned how to draw these diagrams in OOAD course

User Interface

- Design the Interface through which End Users can communicate with the database
- Include screen shots of the User Interface pages you created
- You can use any programming language to do this task (Java, C# etc.)

Scenario Description

- Briefly describe your database

ER Diagram

- Draw with proper annotations (DIA, VISIO, MS WORD etc.)

Normalization

- Up to 3rd NF
- Include all detailed steps

Schema Diagram

-After normalization draw schema diagram with proper annotations

Table Creation

-After Normalization create tables. Use sequence to maintain primary key in all the tables

-Include constraints when creating Tables (primary key, foreign key etc.)

-Create one index for each created table

-Include screenshots of the created table using describe command

-Also include the queries required to create or alter the table, sequence and index

-Create users, assign roles and grant privileges as deemed necessary and include screenshots of the queries

Data Insertion

-For each created table insert at least 5 rows of data

-Include screenshots of the tables after inserting data

-Include the queries required to insert the data

Query Writing (Write down the question and also the answer. Give screenshot of the result of the query)

SQL

-3 single-row function

-3 group function

-3 subquery

-3 joining

-3 view

-3 synonym

PL/SQL

-3 function

-3 procedure

-3 record

-3 cursor

-3 trigger

-3 package

Conclusion-Summarize your project findings and propose future work i.e. How do you plan to improve your existing project in future?

• PROJECT DEMO

- During Viva session you must demonstrate all details of your project work within 15 minutes using share screen option of TEAMS (This can be done by only one student selected by the group/ all group member/ or any way the group members deem fit)
- All tables you mentioned in your project report must exist in installed Oracle 10g
- The created User Interface must also be demonstrated
- The created User Interface must be connected to the database you have created

• VIVA

- VIVA is individual i.e., the group members will get marks based on their individual performance
- VIVA is MANDATORY for all group members
- Questions will be asked regarding project to every group member
- Questions will be asked regarding course related topics to every group member
- Students failing to attend VIVA will attain 0 marks not only for VIVA but also for project