

# 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 3<sup>rd</sup> 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

-3 single-row functions

-3 group function

-3 subquery

-3 joining

-3 views

-3 synonym

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