**BACHELOR OF …………………**

**FACULTY/SCHOOL OF INFORMATION SYSTEMS**

**BINA NUSANTARA UNIVERSITY**

**JAKARTA**

**ASSESSMENT FORM**

**Course: ISYS6169 Database Systems**

**Method of Assessment: Performance Task**

**Semester/Academic Year :** 3/2021-2022

**Name of Lecturer : Charles Bernando**

**Date : 16 Januari 2022**

**Class : LN01**

**Topic : Entity Relationship Modeling, SQL Data Definition (Table, Index), SQL Data Manipulation (Basic) , SQL Data Definition (View), SQL Data Manipulation (Advanced)**

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| **Group Members :** | 1. Ian Jeremiah Cahyadi 2. Leonard Ryo Martadi 3. Muhammad Fathan Rangga Jaya 4. Christopher 5. Gilberd Guiterez 6. Alfonsus Brian Han Wen 7. Samuel 8. Tengku Rifandi Dimas Adhiyaksa |

**Student Outcomes:**

**SO 1 - Able to create software application design with the implementation of database system principal design to solve structured and semi-structured data;**

**L.Obj 1.1 - Able to identify the structured and semi-structured problems in order to formulate the best solutions;**

**L.Obj 1.2 - Able to design database with the application of database system design principal;**

**L.Obj 1.3 - Able to create software application design with the database system;**

| **No** | **Assessment criteria** | **Weight** | **Excellent (85 - 100)** | **Good (75-84)** | **Average (65-74)** | **Poor (0 - 64)** | **Score** | **(Score x Weight)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Ability to develop Conceptual and Logical Entity Relationship Diagram (ERD) | **30%** | The ERD completely describes the conceptual and logical data model | The ERD misses 1-2 components or associations | The ERD misses 3-5 components or associations | The ERD misses more than 5 components or associations |  |  |
| 2 | Ability to develop Data Definition Language (DDL) | **30%** | The DDL is complete and describes all the tables and constraints | The DDL misses 1-2 tables or constraints | The DDL misses 3-5 tables or constraints | The DDL misses more than 5 tables or constraints |  |  |
| 3 | Ability to insert data to table using Data Manipulation Language (DML) | **20%** | All data in all tables is realistic for the application, and all data in all tables supports the application. | All data in the tables reflects realistic data for the application, and one or two data items in all tables do not support the application. | One to four data items in the tables do not reflect realistic data for the application, and more than two data items in all tables do not support the application | More than four data items in the tables are missing or contains not realistic data for the application. |  |  |
| 4 | Ability to create View using Data Manipulation Language (DML) Basic and Advanced | **20%** | Minimum 1 view using DML Basic and minimum 1 view using DML Advanced, and each view displays correct data | Minimum 1 view using DML Basic and minimum 1 view using DML Advanced, with 1 or 2 errors in the creation of view | Minimum 1 view using DML Basic and minimum 1 view using DML Advanced, with 3 to 4 errors in the creation of view | Minimum 1 view using DML Basic and minimum 1 view using DML Advanced, with more than 4 errors in the creation of view |  |  |
|  | **Total Score:** ∑(Score x Weight) | | | | | | |  |

Remarks:

**ASSESSMENT METHOD**

Instructions

* Each group finds and chooses 1 case study around their environment
* Each group designs Conceptual and Logical Entity Relationship Diagram (ERD) based on chosen case study
* Each group submits Conceptual and Logical ERD to the lecturer on Week 6
* Lecturer giving feedback for Conceptual and Logical ERD and giving instruction how to create database and tables with Data Definition Language (DDL) on Week 7
* Each group creates database and tables with DDL based on Logical ERD, and submits DDL to the lecturer on Week 8
* Lecturer giving feedback for DDL and giving instruction how to Insert Data and Create View of database system on Week 10
* Each group creates documentation consists of Conceptual ERD, Logical ERD, DDL, Insert Data, Create View of database system, and submits to the lecturer on Week 12

**Note for Lecturers**:

* Lecturers must inform this project assignment on 1st week to the students
* Lecturers must give feedback for students answer
* Lecturers must submit this score to SCC Business Intelligence maximum on Week 13 via email (richard-slc@binus.edu)