

TIS1101 Database Fundamentals

Assignment 1 (30%)

Descriptions:

- 1) Students are to work in a group of 3 (max 3 students per group). No individual submission is allowed. Please form your group within the **SAME TUTORIAL** section.
- 2) Each group can only choose **ONE** of the following titles to work on:
 - Title 1: Cinema Movie Scheduling System (allows users to schedule cinema movies and to find the list of movies shown on a particular day/time)
 - Title 2: Vehicle Trader Management System (allows users to find a list of used cars and enables users to buy/sell used car)
 - Title 3: Bus Ticketing and Management System (allows users to book their bus tickets, check seat availability, view prices)
 - Title 4: Tuition Management System (allows users to create classes, register students, calculates tuition fees)
- 3) Students have the freedom to define the business rules and scope of the assignment. The database design should reflect the defined business rules.
- 4) Students are required to submit a complete Entity Relationship Diagram (ERD). The ERD should be based on **Crow's foot** model, containing at least **8 entities** and a **maximum of 12 entities**.

The requirements and marks allocations for Assignment 1 is defined below:

Items	Marks
1. Business Rules	5
2. Entity Relationship Diagram	
- Entities	5
- Attributes with PK/FK defined	10
- Relationship with appropriate connectivity, cardinality and strength	10
Total marks	30

Submission deadline for Assignment 1: **13th Aug 2020 (Thursday), 5 pm**. Each group is to submit one report (in .pdf) via MMLS. Late submission, non-contributing members or plagiarism of content is to be penalized with **zero** mark.

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Assignment 1

Title: <title>

Prepared by:

Leader: <ID> <name> <email>

Member: <ID> <name> <email>

<ID> <name> <email>