

TIS1101 Database Fundamentals

Assignment 1 (30%)

Descriptions:

- 1) Students are to work in a group of 3 to 4 (max 4 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: **Clinic Management System**
(allows user to manage day-to-day operations of a clinic, e.g., registration, prescriptions, manage inventory and/or doctor's schedules)
 - Title 2: **SoCar Malaysia**
(allows user to manage car rental, e.g., views the availability of cars, makes booking, manage rental rates and billing)
 - Title 3: **FoodPanda Food Delivery**
(records food, rating, merchant, customer, delivery date and time, voucher and promotion, rider and so on)
 - Title 4: **Perodua Car Service Center**
(cater for various services include booking, appointment for service, time, date, service outlet, type of services, and so on)
- 3) Students have the freedom to define the business rules and determine the assignment scope. 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: **30th Dec 2020 (Wednesday), 5 pm**. Each group is to submit one report (in .pdf) via Google Classroom or MMLS (kindly refer to your tutor on the mode of submission). Late submission, non-contributing members or plagiarism of content is to be penalized with **zero** mark.

<This is title booking page. Please book the title by week3. Kindly refer to your respective tutor on the submission mode>

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Assignment 1

Title: <title>

Prepared by:

Leader: <ID> <name> <email>

Member: <ID> <name> <email>

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