**Tutorial Task – Session 1**

The brief is to create a scenario for a database that contains a collection of material on a specific topic. The choice of scenario is yours, but it must NOT be any of the scenarios used in tutorials, examples, exercises or assessments in this module.

**The following scenarios will be considered:** Library, Bird Watching, Cargo Shipping Line, Warehouse, Zoo, Movie-Actor-Director Industry, Car Rental Service, Song-Artist Industry, DVD Rental, Hotel Booking, Hospital. More details will follow on the tutorials.

Use this template and the example developed in the lecture to create your own scenario.

Use the session 1 tutorial to start developing your scenario. In session 2 tutorials you will have an opportunity to get feedback on it from the teaching assistants to make sure you are on the right track.

You can use the scenario as the starting point for the first coursework so do not copy the work of others as this is academic misconduct and will be penalised.

**Scenario Title:**

**Scenario** (100 words maximum)

The database stores information of Japanese domestic market (JDM) vehicles that are frequently sighted by the users. Consisting of details like the brand and model of the vehicles, the modification level (stock, lightly modified, heavily modified), the location or area it frequents, and the dates they were spotted. The database will allow users to record their own information of each attribute regarding their JDM vehicles sightings and to find individuals with similar interests and knowledge.

**Example entities and attributes** (Minimum 4 example entities, each with at least 2 example attributes and values. At least one entity must be an event/action entity). Identify keys where appropriate.

Users (Entity)

User Id

User Name

Phone number

Home address

Post code

JDM vehicles (Entity)

Vehicle Id

Brand/Model

Modification level

Frequented Locations

Location of sightings (Entity)

Location ID

Location Name

Dates spotted

JDM vehicles sighting (Entity)

Sighting Id

User Id

Vehicle Id

Location Id

Date spotted

**Example queries** (Minimum 5 – list, who, which, how many, most, fewest etc. - check that you have listed the attributes needed to answer your queries)

1. Who spotted the most JDM vehicles?
2. Which JDM vehicle was often to be seen as lightly modified?
3. How many times was a specific JDM vehicle spotted in one location?
4. Who had the most overall sightings of JDM vehicles?
5. What brand of the JDM vehicle had the fewest modifications?