Database Management Systems (DBMS-1000)
Assignment #1 - Entity Relationship Diagrams

You have been given the task of creating the Entity Relationship Diagrams using the information listed below. Using this information, create the following ERD's (When done you should have three separate ERD's. Each ERD is worth 15 marks for a total of 45 marks.):

1. Context ERD
2. Key Based ERD
3. Full Attribute ERD

Provided Information:

Analysis has been done for a small airline and the following entities have been defined:

Plane
> *Attributes*: PlaneID, Type, NoofPassengers, FlyDistance

Flight
> *Attributes*: FlightNo, Destination, FlyTime

Passenger
> *Attributes*: PassengerNo, Name, MealPreference

The following relationships have also been specified:

- A plane can be used on one or more flights.
- A flight can have zero or more passengers
- A passenger can fly on one or more planes
- A flight is done using a single plane
- A plane can have zero or more passengers
- A passenger flies on one or more flights

Submission Instructions:

- The file must be a Visio document. No other type of file is acceptable.

- All 3 diagrams must be placed in a *single* Visio file on *three (3)* separate pages.

- DO NOT compress the file into any sort of archive, submit the Visio file directly to the appropriate LEARN drop box.

- Submission of an incorrect file type may result in no feedback (if the submitted file type cannot be easily marked up), or a mark of zero if the instructor is unable to open the invalid file type submitted.