COMP-3008 Practical 04

- Study the BASE Astah file
- Answer the following question
- Follow the submission requirements

1. Design Classes & Relationships

A partial design is provided in the starting file.

Step 1: Modify the class structure and relationships as follows:

-add an Address class with attributes for Street, City, Province, and Postal Code

-delete the Address attribute from the Customer class and Hotel class

-use the newly created Address class wherever an Address is required in the design

Step 2: Add and specify relationships based on the requirements provided below:

-add relationships between classes
-add multiplicity and navigability for each relationship

-add role names on the navigable end of each relationship
-refine relationships into aggregations and compositions where appropriate

Requirements:

-A Customer shall have the opportunity to take many different Trips
-A Trip shall consist of one or more Bookings
-A Customer shall have the opportunity to make many different Bookings for a Trip
-A Booking shall be for a single Hotel on a single Trip
-Deleting a Trip shall delete all the Bookings for that Trip, but not the Hotel
-The Customer for each Trip shall be efficiently accessible along with the Address for
 that Customer
-A Customer shall be able to determine the Hotels Booked by that Customer and the
 Address of each Hotel

Submission Requirements

1. Arrange the solution diagram and its outer frame for a professional presentation
2. Export the solution diagram as a PNG file
3. Insert the PNG file into the provided Word document TEMPLATE
4. Replace **YourName** and **##** in the header of the Word document with your name and section number
5. Save the Word document as a PDF file
6. Submit **only** the **PDF** and **Astah** files to the appropriate dropbox in Learn
7. **DO NOT zip** the files