DCF255 Assignment 1

**Introduction:**

This Assignment is an individual task and worth 5% of the total assignment grade (15%). Answer the following questions and support your answer with diagrams as per your answer and submit it on the link provided on MySeneca under DCF255.

1. A ‘Travision Trips’ is an e-travel portal to help travelers/tourist a complete travel solution. The company’s vision is to provides its customers a platform where they can plan their vacation themselves. It provides its customers a to craft their vacations as per their budget and choices. Their services includes lodging, transportation (that includes car rental services, bus trips, rail, air) and leisure activities. To get the users must logged in with their account and once users are logged in, they provide their choices as well as the budget. The application gives suggest the possible solutions as per choices provided by the user. To provide these services ‘Travision Trips’ has developed an E-commerce solution ‘Travision Easy Access’, that provide users an access to all the services via their software. ‘Travision Easy Access’ have direct accesses to the databases of all the service providers whose services can be accessed via “Travision Trips’ web portal. Your task is to draw and labeled an n-tier architecture of ‘Travision Trips’. [5Marks]

**TRAVISION TRIPS**

**LAYER – 1**

User Presentation Layer

User Interface Execution (TRAVISION TRIPS)

**LAYER – 2**

Logic Layer

Making the transfer between the layers using the logical decisions

**LAYER – 3**

Data Management Layer

Storing and Retrieving the data

1.B.) At the first we need to create the user interface for the first step. Later on, the logical decisions should be created and this will help out in the transferring of the data between the layers. Further, at the last the management layer for the storing and retrieving of the data will be created so that data for all the things can be stored as well as on the need the data can be retrieved.

1. Structure the airline travel system by supposing that you travel from Toronto to London by air.

a. Identify and discuss the series of actions you take in a five layered architecture from the start of your journey at Toronto and then five layered actions at the arrival on destination London. [5 Marks].

b. Support your answer by drawing a layered architecture at the starting point of the journey and the destination. Your answer must identify and discuss the action identified both at Toronto and London. [5 Marks]

**Travel From Toronto To London**

**Enter the Toronto Airport**

**Check-in for the Luggage that is being carried**

**Boarding for Plane.**

**Departure from the Toronto Airport**

**Arrived at the London Airport.**

**Getting out of the plane.**

**Carrying out the Luggage from the Conveyor Belt.**

**Coming out of the London Airport.**

2.B.) First-of-all entering in the Toronto Airport will be the First Step. Later on, the second step will the for the check-in of the luggage that is supposed to be carried. Then, the boarding of the flight will be done. Furthermore, the plane will depart from the Toronto Airport. After the departure from the Toronto airport the plane will arrive on the London Airport. The sixth step will be to get off the plane. Later on, the last second step will be to collect the luggage from the conveyor belt and at last to exit from the London Airport.

1. Assume that you are accessing a Seneca website from your home computer (desktop/laptop/tablet).

a. Identify and discuss the method used at your home to access the Internet and then connection with the Seneca web server. [5 Marks].

b. Sketch/draw a network connection from your device to the Seneca web server. [5 Marks].

**Accessing the Seneca Website**

**Logged into the Web Server of the Seneca College.**

**Getting an OTP confirmation on our phone number and filling it .**

**Filling Up the Details like Email Id and the Password.**

**Opening the Tab for the Learn@Seneca.**

**Opening the Browser to get on the Webpage of Seneca College.**

**Establishing the Connection with the Local Network i.e. WI-FI.**

3.B.) At the first we will need to connect our device with the local network such as WI-FI. After the connection is established, we need to open the web browser and the opening for the tab of the Learn@Seneca. After this, the further step will be to login the account by using the email id and the password. While this step is executed the next stage will be getting otp on our phone and filling it in the otp where asked. After this the web server will allow us to login into the wweb