DCF255 Assignment 1

1 [5 Marks]

User Presentation Layer

Travision Trips login webpage get customer input including username and password and send login request.

If the request valid. The main page of Travision Trips will be presented

Customer chose their option include (lodging, transportation, air), and leisure activities)

Display found options to customer

Business Logic Layer

Translate login request into command, process the data and make logical decision whether the request meet the requirements.

Process the return data and turn it into human language.

Translate option request in to commands, process and calculate the data to search for the match option

Turn the data in to the human language and send back the result to Presentation Layer

Data Management Layer

Send request and check data stored in Travision Easy Access and send back to Logic Layer.

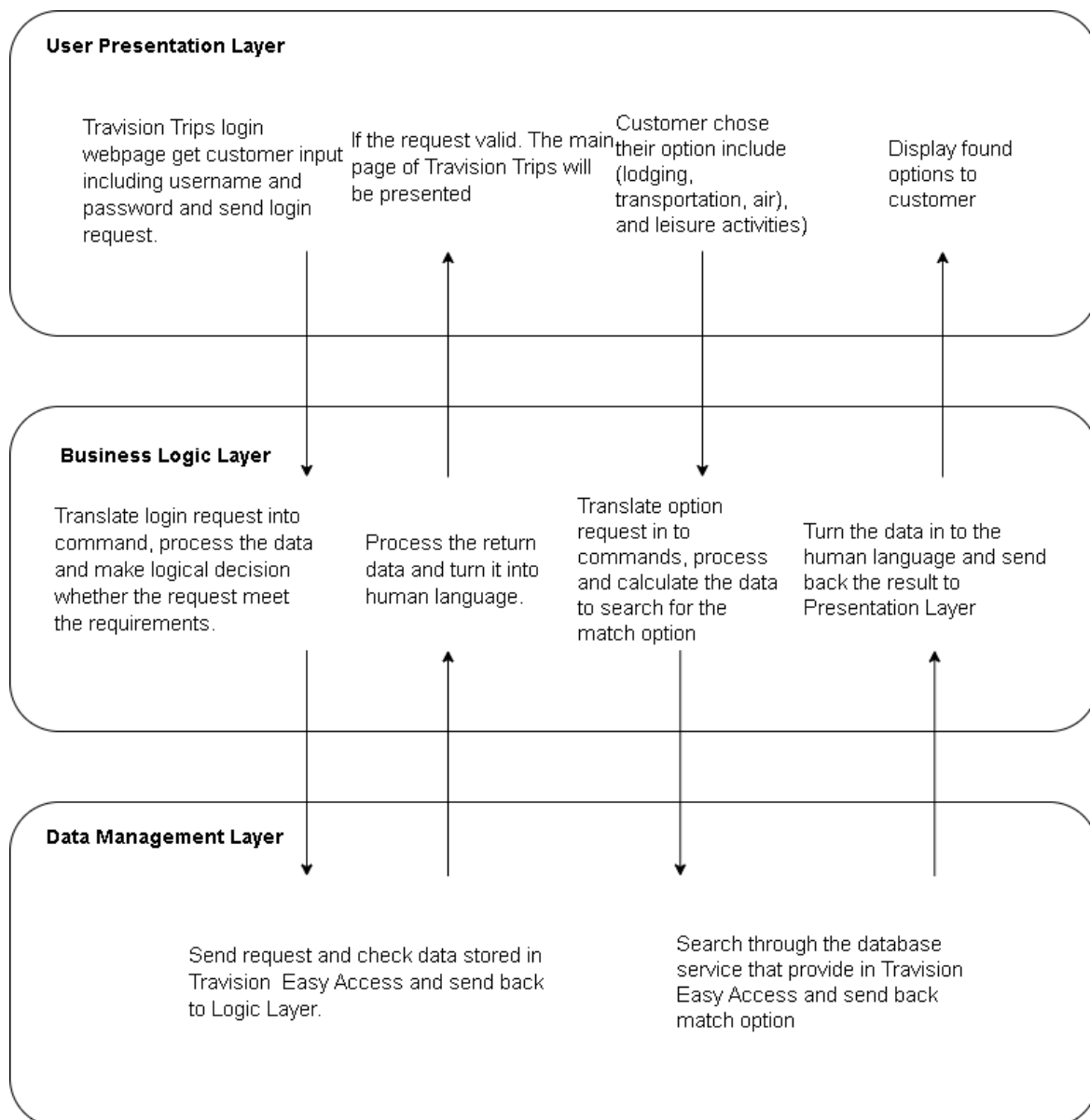Search through the database service that provide in Travision Easy Access and send back match option
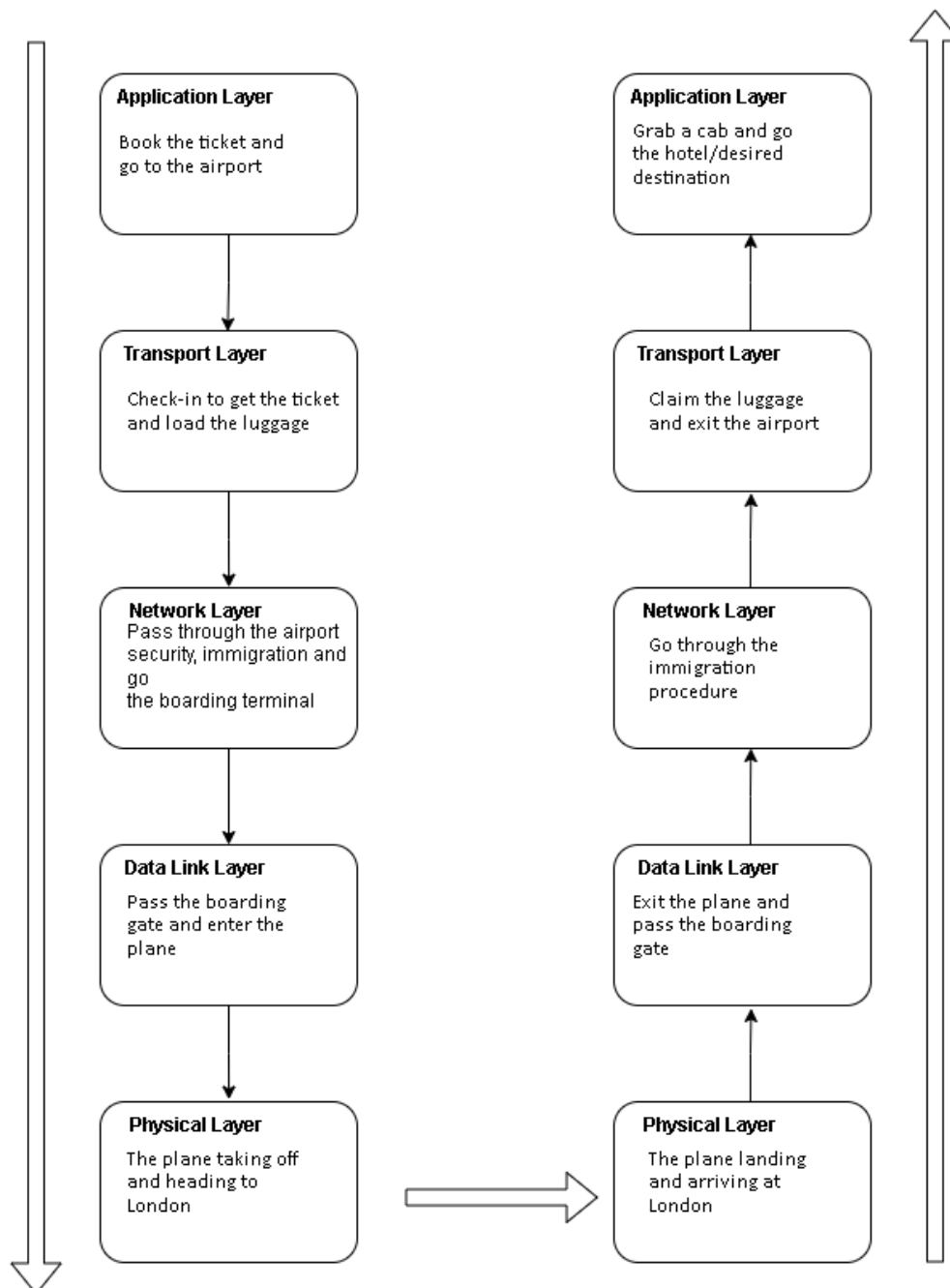
2 [5 Marks]

In Toronto
1. Book the ticket and go to the airport
2. Check-in to get the ticket and load the luggage
3. Pass through the airport security, immigration and go the boarding terminal
4. Pass the boarding gate and enter the plane
5. The plane taking off and heading to London

In London
1. The plane landing and arriving at London
2. Exit the plane and pass the boarding gate
3. Go through the immigration procedure
4. Claim the luggage and exit the airport
5. Grab a cab and go the hotel/desired destination

Application Layer

Book the ticket and go to the airport

Transport Layer

Check-in to get the ticket and load the luggage

Network Layer
Pass through the airport security, immigration and go
the boarding terminal

Data Link Layer

Pass the boarding gate and enter the plane

Physical Layer

The plane taking off and heading to London

Application Layer

Grab a cab and go the hotel/desired destination

Transport Layer

Claim the luggage and exit the airport

Network Layer

Go through the immigration procedure

Data Link Layer

Exit the plane and pass the boarding gate

Physical Layer

The plane landing and arriving at London

3 [5 Marks]

The method used for the connection between my device and the Seneca web server is Transmission Control Protocol (TCP). My laptop is connected through a wireless router connection (Wi-Fi). The IP address allows its device to send and receive messages. The device use Internet Service Provider (ISP) to gain access to the Internet after passing the firewall. In the browser, for the URL type https:// followed by server's domain. The http request will be sent to servers. Sever will respond the request.