1/18/23

CS 566 Draft Assignment 2

Hand in a draft of Assignment 1, using the Word template supplied, with only the following parts drafted: 1.1, 1.2, and 1.3.1—for example, accepting input.

1.1

I plan to design an airport passenger destination survey system. This system can store the destination of passengers and the airline they carry when they go to the destination. We can use Divide and Conquer to solve this problem. For example, we can use it to divide passengers into domestic flight and cross flight. Each flight is divided by airline (e.g. American Airlines AAL, Cathay Pacific CPA...)

1.2

Input:

Passenger A: To: KLAX(Los Angeles, CA), AAL

Passenger B: To: KORD(Chicago, IL), DAL

Passenger C: To: KJFK(New York, NY), AAL

Passenger D: To: VHHH(Hong Kong, China), CPA

Passenger E: To: EGLL(London, UK), BAW

Passenger F: To: YSSY(Sydney, Australia), AAL

Output:

The destination of passenger A B C are in the same country

The destination of passenger D E F are different with passenger A B C.

The passenger D E F have the different destination with each other.

The airliners passenger A C F taken are the same,

The airliners passenger B D E taken are different with the passenger A C F taken

Passenger B D E take the different airliners with each other

1.3.1

Requirement 1: The package should include the destination(TO) and the Airliners they want to take

Requirement 2: The output should point out the similarity and the difference from the Destination(TO) and Airliners