Display records matching criteria

Obtains records with same package type

Gets requested package type from input

Validate that package requested exists in database

Orders the records in order of ascending distance

Finds the distance of the remaining cities compared to starting one

Gets requested city from input

Validates that the city requested exists in data

base

Updates selected record

Gets inputs for the city, package and hotel.

Gets input for the record to be updated

Validates to see if that record exists

Adds a new record to the table

Gets inputs for the city, package and hotel

Interface for program

Window for output (Shows the cities in ascending order)

Window for input (asks for city and package type)

Returns distances compared to city of origin

User input

I broke the solution to the problem down into smaller modules that are easier to manage than attempting to try and solve the entire problem at once. The main function, which is to display the records about the cities in ascending order has been broken down into two different tasks which collect both the results about the other cities that fall under the same package and the other task which finds the distance of the cities from the starting one. This allows for the cities that don’t fall under the same package to be excluded from the output.