Final Project Final Project

Vishal Patel

Working with David Nixon

There are only two relevant files, everywhere.xml and TravelApp.java. The everywhere.xml file is the file that is used to access all of the flights from Cleveland (on Christmas eve!). This is essentially a mock file for the skyscanner api that was pulled from one of their api urls. The TravelApp.java file is the main chunk of code. It implements a linear probing hash table and a getData method that targets certain elements in the everywhere.xml file. This will be used to fetch the data from the api and store it in the hash table. Other methods include ones necessary for a hashtable, such as the hashfunction, a get function a print function etc.

The output for this mini application works by, when run it displays all possible destinations going from Cleveland on Christmas eve, the user then inputs a destination showed in the list and the program will return the lowest fare going to that destination. An example of this will look a lot like:

Possible Destinations:

Boston Logan International

Istanbul Ataturk

Lima

Bogota

Toronto Pearson International

Cancun

Dubai

San Juan Luis Munoz Marin

San Juan Luis Munoz Marin

Shanghai Pu Dong

Mumbai

Seoul Incheon Int'l

San Jose Juan Santamaria

Madrid

Milan Malpensa

Paris Charles de Gaulle

London City

Bangkok Suvarnabhumi

Cairo

Beirut

Moscow Vnukovo

Aktau

Input Airport exactly as shown above:

Aktau //User input

The cost of this trip from Cleveland would be $3065