CME 2201 – Assignment 2

Journey Planner for Izmir Public Transportation

Query type	Avarage time	Result count
Fewer stops	4.81seconds	2
Minnimum distance	3.58seconds	2

General Algorithm of Program

Program priorities form vertex and edges. An arraylist is created into each vertex consisting of itselfs stopId and stopId's which stops can be reached on foot. For finding shortest path on program, it sets off from his own stop beforehand and checks if there is a line from the stop it reaches to the last stop. If program finds the line, tries to go on this line to last stop. When doing all these operations, it applies the Dijkstra algorithm and checks the values at all stops. If the value at the stop is bigger than stop's value at destination, it does not continue. Lastly, if program reaches to last destination, it saves all values in a string and makes sort.

Hüseyin ERDOĞAN

2017510031