

<<.bras Classiv>

@ Driver
project

of Driver()
@ main(String[[Lvokd]

a route(String.String,List<String>) List<String>

minVertex():String

The Route() Function in the RoadTrip Class uses Dijkstra's algorithm to take in to account the amount of minutes and time each route takes and finds the shortest possible path, while also taking in to account various attractions that the user would want to visit, in order to get find the most optimum route. I chose Dijkstra's specifically because of its running time of O(ElogV). In addition, I also chose to use Dijkstra's over Prim's because in terms of efficiency, Dijkstra's is superior when it comes to graphs with direction AND weight

determine the amount of distance and time that

the route will have, and direction as to make

sure that the order of the nodes is in place.