

Classes:

- **City** - Holds the city data
 - Variables:
 - String cityName - *city's name*
 - String state - *state that the city belongs to*
 - int cityNumber - *city's ID number*
 - List<DistanceTo> connections - *city's adjacency list*
 - Double [] allDistances - *distances from this city to all other cities*
 - Functions:
 - Constructor
- **DistanceTo** - Holds information about city distances
 - Variables:
 - int cityNumber - *this (destination) city's ID number*
 - double distance - *distance from host city to this city*
 - Functions:
 - Constructor
- **Participant** - holds data about participants
 - Variables:
 - String name - *participant name*
 - int cityNumber - *participant's home city ID number*
 - Functions:
 - Constructor
- **Runner** - Driver class for my program
 - Variables:
 - n/a
 - Functions:
 - **Main** - *calls printAuthorInfo & runner function*
 - **printAuthorInfo** - *prints information about the author*
 - **runProgram** - *calls file parsing functions, Dijkstra function, adjacency list print function, distances from Chicago function, prints out ideal destination*
 - **parseParticipants** - *parses participants file*
 - **parseCities** - *parses cityName file*
 - **parseDistances** - *parses cityDistances file*
 - **displayAdjacencyList** - *displays adjacency list of cities*
 - **runDijkstras** - *runs Dijkstras and finds smallest distance from one city to all other cities*
 - **printDistancesFromChicago** - *prints distances from Chicago to all other cities*
 - **findTotalAvgDistances** - *calculates a list of average distances with respect to participants*
 - **findSmallestAvgDistance** - *finds smallest average distance in an array of distances*