

Prompt user for simulation input parameters

For each simulation specified by the user

Create a new instance of the *Simulation* class

Call *Run()* method in new instance of the *Simulation* class

Generate roads and populate the roads with cars

For each iteration specified by the user

Call the private instance method *calculateNext()*

For each road specified by the user

Calculate the movement of each car using our *logic tree*

Calculate the summary data for each road

Calculate the summary data for the current simulation

Save the summary data for the current simulation to an XML file