In creating this project I made several assumptions.

1. I have assumed that line number 1 has 12 stops, 12 trains and the train stops every hour.
2. Train arrives at the stop on the hour
3. I have not accounted for direction yet , am just assuming there is a train at the stop on the hour
4. So far I have only included one line, line number 1
5. Line status – I have assumed 2 states for the line, “Operational” and “Under maintenance”

The main entry to the application is <http://localhost:60013> which gets all lines for the urban train system as well as links for the stops and trains

As for the routes,

<http://localhost:60013/api/Stops/> - gets all stops in the system

[http://localhost:60013/api/Stops/{id}](http://localhost:60013/api/Stops/%7bid%7d) – gets a particular stop

[http://localhost:60013/api/Stops/{id}/NextTrain](http://localhost:60013/api/Stops/%7bid%7d/NextTrain) - Gets the next bus for a given stop

[http://localhost:60013/api/Trains/{id}/GetCurrLoc](http://localhost:60013/api/Trains/%7bid%7d/GetCurrLoc) -Gets current location of a given train, with id that corresponds to the placeholder

[http://localhost:60013/api/Lines/{id}/GetLineStatus](http://localhost:60013/api/Lines/%7bid%7d/GetLineStatus) –Gets status of a line