

**Overview**

As a group we decided to separate the project into two halves, one being the Metro System and one into the MultiGraph. This allows the overall program to be less coupled as we rely on the interfaces rather than concrete classes. It also makes it easier to refactor as if there was a problem with one class it is less likely to cascade into other classes. Our idea is to use MVC for our design in order produce a less tightly coupled program.

IEdge

INode

IMultigraph

Multigraph

Track

Metro

Station

UserPromt

MetroMapParser

Model

Controller