Problem Specification: To assess my ability to plan and design a console-based program by general readability, application of Java coding standards, and my ability to apply good coding practices, a traffic car simulation must be created. The program will be used by creating 4 objects, a vehicle, two roads, and a traffic light that will be interacting with each other. The outcome of the program is to get the vehicle to travel through the first road, obey the traffic light conditions, pass onto the next road, and travel through it.

Problem Decomposition using UML class diagrams: