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## **Refactoring: Extract Methods**

### **Files being changed:**

- bus.cc
- bus.h

### **Methods being changed:**

- Update
- UnloadPassengers

### **Location of the changes:**

Changes were made in the bus Update method with the intent to make it shorter and more readable. At the point in the Update method where the bus is at a stop, passengers are iterated through with a for loop and their destination stops are checked. If their destination stop is the same as the current stop the bus is at, the passengers are unloaded from the bus.

A method called UnloadPassengers was extracted from Update and implemented to check if passengers are at their stop and to remove them from the bus passenger list if so. This improves the bus Update method because it shortens the method, making it more readable. It also avoids having the same code written twice for outgoing and incoming routes.