Programming Practice 5

CSE1100 - Object Oriented Programming

1 IntelliJ

This programming practice session is in IntelliJ. During this session (and any time you use IntelliJ) consider using any the following tools IntelliJ provides:

Ctrl+Alt+L (or Ctrl+Shift+L)	Auto format code
Alt+Insert	Generate code
Ctrl+Space	Apply suggestion
	(e.g. `sout`+Ctrl+Space is `System.out.println`)
Ctrl+I	Implement methods
	(for when interface methods need to be implemented)
Ctrl+Alt+M	Extract code to method
`.var`	Extract value to variable
`.par`	Put between parentheses

2 Code Style

Given is a small programme that can calculate the shortest public transport route between two locations. The main method can be found in `TripPlanner`. You do not need to understand all code, especially in the `PlanTrip` method. There are quite some checkstyle warnings, try to fix those. You might notice that even after you fix all checkstyle warnings, some code still does not look very nice (maybe IntelliJ gives some extra warnings on top of the checkstyle warnings). Try to make all code look as good as possible.

3 Debugging

We have provided some classes part of a concert application. Unfortunately, they contain some bugs. We have provided some tests to help you catch the bugs, feel free to write more. Fix all the bugs in the `Concert`, `Song`, and `Tour` classes. Consider using the debugger.