SE2030   Lab8: Bug Tracking Lab   Spring 2018

Overview: In this lab you will be running acceptance tests provided by the instructor for the features you have implemented and logging bugs found. Additionally, you will be fixing bugs and appropriately logging the fixes in the bug tracking software.   You will analyze your technical debt and propose changes to your code to service the debt or implement new features.

Learning Outcomes:

- Creating a bug report
- Testing acceptance criteria
- Resolve a bug, log it correctly
- Identify technical debt and service it

Instructions:

Using your unit tests and the class acceptance tests provided by the instructor, test your application and as bugs are found log the bugs in the bug tracking software. To discover the bugs, you should use all the GTFS files (including Chicago) provided by the instructor. Each team member should log at least two defects. You should then take one of the defects logged by a teammate (not by yourself) and fix the bug. Once fixed, you should appropriately log the fix in the bug tracking software.

Identify technical debt that your project currently has. Log the debt in the bug tracking software and make the changes to service the debt. No new features need to be implemented this week if your debt servicing proposal is adequate (requires approval by the instructor).

If you do not have substantial technical debt that you want to service, you should propose new feature(s) to implement for this week (requires approval by the instructor).

Deliverables: Updated pdf of your UML diagram with the changes you have made to your design to service the technical debt or add new features. Note that you can easily generate class diagrams from code in EA, so please ask how to do this if you have forgotten. The code checked into your repository will be pulled by the instructor to be tested. It is expected that every team member makes measurable contributions; author names must be in the comments.

Lab Checkoff: You should discuss your proposed technical debt service plan for the week and if not enough debt is identified, you should propose which additional feature(s) you will implement instead.

Due Date: Start of class, Tuesday of Week 9 (12 May 2020)

Grading:

Two bugs found and logged (individual)	10%
Bug resolution (individual)	20%
Technical debt identification and servicing	40%
Pull requests used, dev branch used	10%
Lab checkoff	10%
Following submission instructions	10%
TOTAL	**100%**