**Programming Assignment 3 Sprint Report**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Sprint 1**

Epic: As a student of CS 221 I need to create the basic program architecture.

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| **Backlog of User Stories** | **Done Date\*** |
| Create the project in Visual Studio, add a source file and add a main function to the source file. | July 13, 2018 |
| Add .h and .cpp files for the EmployeeDatabase class to the project. | July 13, 2018 |
| Copy the EmployeeRecord, CustomerList, and Store .h and .cpp files from program 2 and paste them into the project directory then add to the project. Make the appropriate modifications to the files. | July 13, 2018 |
| Write the class definition in EmployeeRecord.h. | July 13, 2018 |
| Write stub function definitions in EmployeeDatabase.cpp for each function in the class. (Functions returning a value should return zero, NULL, etc. as appropriate.) | July 13, 2018 |
| Add a cout line to each function in EmployeeDatabase just to report that the function was reached. Do this for the constructor and destructor also. | July 13, 2018 |
| Add code to main to create an instance of EmployeeDatabase and make calls to all functions. Verify that all were reached. (Note: You will have to devise a way to call the private functions.) | July 13, 2018 |

**Sprint 2**

Epic: As a student of CS 221 I need to plan how to test each function.

Epic: As a student of CS 221 I need to implement and verify each function.

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| **Backlog of User Stories** | **Done Date\*** |
| For each function in EmployeeDatabase determine exactly how you will test the function automatically from main. | July 15, 2018 |
| Add code to main to perform each of the automatic tests. | July 15, 2018 |
| **Add code, test and verify all public functions in EmployeeDatabase.** |  |
| buildDatabase() | Tested by Instructor |
| addEmployee() | July 15, 2018 |
| getEmployee() | July 15, 2018 |
| removeEmployee() | July 15, 2018 |
| printEmployeeRecords() | July 15, 2018 |
| **Add code, test and verify all private functions in EmployeeDatabase.** |  |
| printEmployeeRecords | July 15, 2018 |
| destroyTree() | July 15, 2018 |
| getNextLine() | Tested by Instructor |
| Verify against the SOW that all functionality of the project has been fully implemented. | July 16, 2018 |

**\*Done means you have implemented the code AND fully tested it.**

**Double off if you say you have tested it and it fails when tested by the instructor.**