**Programming Assignment 2 Sprint Report**

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**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. | Sept 24 |
| Add .h and .cpp files for the House class. | Sept 24 |
| Copy the Student.h and Student.cpp files from program 1 into this project folder and add them to the project. | Sept 24 |
| Write the class definition in House.h. | Sept 24 |
| Copy the HogwartsSWW.h and HogwartsSWW.cpp files provided by the instructor into this project folder and add them to the project. | Sept 25 |
| Write the class definition in House.h. | Sept 25 |
| Write stub function definitions in House.cpp for each function in the class. (Functions returning a value should return zero, NULL, etc. as appropriate.) | Sept 27 |
| Add a cout line to each function in House just to report that the function was reached. Do this for the constructor and destructor also. | Sept 27 |
| Add code to main to create an instance of House and make calls to all functions. Verify that all were reached. | Sept 28 |

**Sprint 2**

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

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

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| **Backlog of User Stories** | **Done Date\*** |
| For each function in House determine exactly how you will test the function automatically from main via calls to functions in HogwartsSWW and add code to perform each of the automatic tests. |  |
| **Add code, test and verify all functions in House.** |  |
| AddStudent() |  |
| RemoveStudent() |  |
| FindStudent() – By student ID |  |
| FindStudent() – By student name |  |
| PrintHouseList() |  |
| SetHouseName() |  |
| GetHouseName() |  |
| Verify against the SOW that all functionality of the project has been fully implemented. |  |

**\*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.**