

Programming Assignment 3 Sprint Report

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Sprint 1

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

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.	10/10
Add .h and .cpp files for the Book_Database class to the project.	10/10
Copy the BookRecord.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.	10/10
Write the class definition in Book_Database.h.	10/10
Write stub function definitions in Book_Database.cpp for each function in the class. (Functions returning a value should return zero, NULL, etc. as appropriate.)	10/10
Add a cout line to each function in Book_Database just to report that the function was reached. Do this for the constructor and destructor also.	10/10
Add code to main to create an instance of Book_Database and make calls to all functions. Verify that all were reached. (Note: You will have to devise a way to call the private functions.)	10/10

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.

Backlog of User Stories	Done Date*
For each function in Book_Database determine exactly how you will test the function automatically from main.	10/10
Add code to main to perform each of the automatic tests.	10/10
Add code, test and verify all public functions in Book_Database.	10/10
readDatabase()	10/10
addBook()	10/10
removeBook()	10/10
searchByStockNumber()	10/10
searchByClassification()	10/10
searchByCost()	10/10
getNumInStock()	10/10
PrintAll()	10/10
Add code, test and verify all private functions in Book_Database.	10/10
ClearList	10/10
searchByClassification()	10/10
searchByCost()	10/10
PrintAll()	10/10
Verify against the SOW that all functionality of the project has been fully implemented.	10/10

*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.