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BCS 370

Team #6

Capstone Project

This write-up involves my contribution to the team 6 capstone project to create a college student homework management system. We met has a team to go over the project, and discuss the design approach, and the roles were decided for the project.

My role involved designing the search by course function, and the UML diagram for the team.

The coding portion was written, and added to the "homeManagementSystem" class. The code involved the use of the private member vector "hms," and the attributes from the "homeworkAssignment" class. The private member "course" and public member function "getCourse()" were used. The "searchByCourse()" function uses the "course" input, and searches through all the courses to find a match. If a match is found, it prints out to the user "Course found" and the name of the course, the course homework number, and the course due date. If a course that was entered into the search is not found, it prints out to the user that the course was not found.

I worked on the UML diagram for the project. I incorporated all the code from the team and drew the UML diagram as per the class lecture "Class UML Diagram." The diagram has two

classes, the “homeworkAssignment” and the “homeworkManagementSystem” class. Each listed the private and public attributes for each class as well as the relation between the classes.