Purification John

CMSC 204

Prof. Alexander Robert

Assignment 4

Prior to constructing the constructors and methods for the CourseDBElement class, I had to examine what the intrinsic features were that needed to be stated. Each CourseDBElement will require three Strings: CourseID, roomNum, and instructorName, as well as two integers: CRN and credits. The integer CRN is the most significant characteristic of the CourseDBElement class since it will be used to determine the hashcode for the individual CourseDBElement, which is the basis of the whole assignment. If the hashCode(): method fails to operate properly, the entire structure of the assignment will fail to function properly. When I constructed my CourseDBManager class, I ran into the identical problems. I used the inherited hashcode() method instead of the hashCode(): method I defined within my class. As a consequence, the code just used the hashcode of the CRN integer rather than the hashcode method given in the assignment. The assignment states that you must convert the CRN to a string and then finish the hashcode of the same. My JUnit tests passed after I adjusted the syntax and used the right hashCode() function.

