CS Blackboard/ CS Moodle/ CS Connect

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There are five separate solutions:

1. Database Connector – this project is used for getting data into the database and managing the database. There is a user interface for the professors. Once they log in (initially set up as username is first part of email address and password is the name that they use – e.g. Will), they can add a class via an Excel spreadsheet, add a single student to a class, remove a student from a class, remove a student from all classes, or clear the student databases. When the program is run the professor login screen is displayed. Functions and tests to support these operations are included. There are times when the addSingleStudentTest will fail the first time it is run, but will pass subsequent times it is run without any changes.
2. New Server – this is the original server before it was added to the user interface. It is able to handle messages from multiple clients. The tests are located on this file for the server. The tests must be run separately from one another. Right click and hit run selected test, then do the same on the New Client for the corresponding test. For example server receive message is run before client send message on the tests.
3. New Client – the tests for the client are located on this file. This file was our client until we put it on a user interface. This tests the same functions that the interface implements. Make sure and look at New Server to understand how the tests work. They are independent of each other and must be run separately. Make sure to run the server tests before the clients.
4. Integrated UI - this is the user interface form the client. It contains multiple forms that would be implemented with a database if more time was allowed. The client establishes a connection when the splash screen is displayed. The first few forms simply are there to let the user pass to the user form. The user form is where the user sends messages to the client from a textbox.
5. Server UI - this is the user interface for the New Server program. We would have written more tests for the server, since we added three separate threads to it, but time was limited. This was very complicated to get working. The server is now able to handle multiple clients and post the messages it receives in a list box.