**Rebuilding and Testing**

When rebuilding the project it is important to run the JUnit tests first. They can be located in the source code of the project can be run easily through any IDE if you have the needed library. If any of the test fail you will be given a message saying which test failed in particular and information on what this test was testing. They are checking all the constructors of the project and whether the algorithms in are working with the current version of the project. If all the JUnit test pass all changed or updated files need to be uploaded to the server which is running the project. If there are any changes to the database or the way the information is stored the actual database may need some changes. After setting up the project you need to go along the test described in the ‘Test specification’ document. Each of them have input and output described as well as a pass criteria which describes whether each of the test have passed or not. If new tests are needed depending on the this which is going to be tested it could be another JUnit test or a test described in the ‘Test specification’ document. If it’s a JUnit test related to a new class a new JUnit class should be created and it should be testing all the functionality of the new class. If it’s a test for the ‘Test specification’ document the test need to be included and described in the appropriate section of the test table.