**Introduction:**

For our project we used several test strategies, in the process we stayed up several nights trying to figure out the methodologies used in the project. We finally came to a decision of doing Agile as our mythologies. We used visual studios to complete our project. Due to the fact we had some programmers who were new to Java, so we switched to C#. We used Javascript, CSS, and HTML in our front-end, and then moved to C# for our back-end logic. Overall, we got the application to run and we are satisfied with this course and what it has taught us.

**Scope:**

For our project, we wanted to make a web application that will have an admin login and then make an exam and then take an exam. The admin will be able to take a multiple-choice exam and get a score back in return. Overall it took us several hours and days to come up with a plan to meet our scope. We got the functions to eventually run once the admin could be able to create the exam and take it as a demo exam. We made the exam process similar to how a blackboard exam will be for students going to UAlbany.

**Quality Objective:**

Our overall objective is to make the application run and have the database work. We want the admin to be able to make the exam and take the exam. Overall the web application is a smooth running demo for our first application ever made. We liked working together as a team and developing something that we spent our effort doing. Roles and Responsibilities: Our test manager was Zae Saeed, and we had several committed active smart teammates. Our configuration manager was Shah who handled the majority of the back-end code with Gil. Dylan and Victor handled the Database while Geo and Jake tested everything we put together. Overall, we got to work as a team and understand the methodology for Agile and the benefits.

**Test Deliverables:**

For our test plan, we wanted the application to run, it took several attempts to make this happen due to the many issues with our database. We finally got our database to run the application so our admin could create an exam and create other logins for other users. The test cases we took in a count were many small steps to the big goal of making the application run, for example being able to login into the database as an admin to create the exam was a test case for us. We ran into several bugs but not too big of an issue since we had some expert debuggers. The test strategy was simple, we came together as a group and debugged the whole application until it worked, it was a team effort and a lot of hard work. For our tools and software, we used visual studios, because we could operate the built-in database. Also, we used the programming language C# and most common javascript for the application.