As an internal project for DAM I will be making a score keeper. This score keeper will be able to record basketball scores and should be presented in some sort of leader board. I will have to design how it looks and works. I will be developing this program in Visual Studio and I will be writing it in C#.

I will be starting this off as a console app and build the foundations in there. Here I will learn the basics of C#. It should be an efficient and maintainable piece of code and should be able to do the following:

* Greet the user and give the user an option to make add a new score or view the scores
* If the user does not input either option, the program should output a message informing the users error
* If the user chooses to add, it should take an input from a user
* Validate the input so it is in the form required (name then score)
* It should check to see if the inputted name is already in list
* If the name is already in the list, it should update the existing name with the new score that has just been inputted
* If the user chooses to view the scores, then it should output all the scores in order of highest points

The console will work as a demo for a review from Richard, the manager at DAM, and this review will give the company and idea of what is being produced. In the review it will give DAM, an opportunity to change, add and delete features. After review and DAM are pleased with the console app I will change the console app into a Restful Web API. An API will be smarted as the API will specify how the software components should interact. Once I have explored creating an API, I will further expand this into a fully-fledged MVC Web Application.

The final step id like to reach with this project will be to add the leaderboard scores to the [www.damdigital.com](http://www.damdigital.com) website. On the website they have cards consisting information about the company, the employees and projects. Having the basket ball score (which will update itself) could be a very neat feature for DAM Digital. DAM as a company have a very fun and unorthodox culture for a company. Therefore, displaying these scores on their website helps convey this.