**Question 1**

1. NoSQL meets these requirements because it allows the users to create column database and store data in it. NoSQL will be able to store all the player’s profile data in column format. It can also store the match making and leadership data into a NoSQL. The administrator can use MVC technologies to edit the data stored in NoSQL very easily.
2. The difference between horizontal and vertical scaling is that horizontal scaling adds more machine resource to the existing machine infrastructure. Vertical scaling focuses on increasing the power of the existing machine. Horizontal scaling met the projects requirement because it you can just add more machine to the existing machine to run the database properly. This way you are not getting ride of the existing device.
3. The NoSQL database allows developers to create large volumes of structured, semi-structured and unstructured data to make the application diverse and not does not restrict its use because of the type of data being used within the application. Relational models are different from NoSQL because gives immense headaches when managing the changes in storage and operational architecture, especially for large production ones. NoSQL has more data type such as graph, documents, column, and key-value whereas relational models only use tables to store data.
4. MongoDB can be used with different platform whereas other NoSQL vendors such as DynamoDB can only be used in certain platform. MongoDB offers more flexibility in querying data as it enables users to aggregate and query data natively in multiple ways such as single keys, ranges, and graph traversal. On contrary other vendors only support only certain ways such as DynamoDB only supporting key-value queries.
5. MVC is a good choice because it helps link the controls, display and the model together. The ASP.NET web application will allow the client to interact with the database easily without having any previous programming experience.
6. There is template that exists in visual studio to create an MVC template is ASP.NET Core. The template has a CRUD functionality that the user can use as a bases.