23:30

PROJECT ANALYSIS

The team is composed of a Database Specialist, a Web Developer, a Programmer and a certified Project Manager.

Given that our target market are users of Microsoft SQL Servers, we have a Database Specialist who is experienced in handling and administering Microsoft SQL Servers. With his skills, we are confident that a Database Evaluator tool that is up to standards will be produced.

Given that the target RDBMS is a Microsoft Product, the Database Evaluator should be built using a Microsoft product as well. In this case, the team’s Programmer has a choice between Visual Basic or C# to create the Windows Form Application. The Programmer has a background in Java so the logical choice between VB and C# is C# as it more closely identical to Java. Since there is a fixed deadline that needs to be met, every moment is important so trying to learn a new language with unfamiliar syntax should be avoided. For the IDE, Visual Studio will be used as it already has some drag and drop tools to make the development of the GUI of the desktop application easier.

Besides the actual Database Evaluation tool, a product website is also needed. The product website is where the tool will be downloaded by the users. There are a lot of available technologies that can be used for web development but because time is of the essence, the chosen ones are PHP, WordPress and MySQL. The team’s Web Developer already has experience in creating websites using the said technologies and this will allow us to develop the website quickly along with the tool. Also, WordPress, being a CMS tool, has a lot of Plugins and Themes that just needs to be imported to use. These plugins will make designing the website much easier. Furthermore, finding resources and references for the said technologies will be easier given that many websites are built from them.

To keep track of the code and documentation updates and changes, a source code and document management application needs to be used. There are a lot of available applications but GitHub will be used for our purposes. The reason is that it is quite easy to use even for first time users given that there is GitHub Desktop for easy upload.

**<INSERT METHODOLOGY HERE>**