

Design Goals

itemize

Ease of use:

High Reliability:

Scalability:

High performance for data request processing time: To ensure a quick and responsive user interface, we will provide a fast and responsive database which facilitates quick searches. To achieve this, we will implement a E/R entity frame work database which will utilize Microsoft's .NET framework to optimize database queries. This will let us take advantage of optimized queries and features implemented by Microsoft database experts. Furthermore we plan to implement a feature which will store the result of large queries for quick access for later use. This will allow us to respond hastily to large queries which we previously have found the answer too. To avoid delivering stored data which has changed since the last request, we will only implement this feature on data which is less likely to change. To ensure we the user will receive data which is up to date, the user will be given the option re-download the data.