School Web Presence and Comparison Online Resource | Searching

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ABSTRACT

The paper to follow describes the searching feature of the project, which allows the systems users to query the databases repository of schools. The document defines the various technologies and frameworks used during the development of the given feature, whilst also giving insight into the underlying theory that supports the results generation process. The document will then also discuss the differences in performance the various search procedures, as well as making comparisons between the utilization of the entity framework as opposed to stored procedures. Finally the paper will discuss the benefits of providing a good user experience through effective user interface design, and will then conclude with a summarizing paragraph of the paper.

Query Type	Tracking First Run (MS)	Tracking Second Run (MS)	NoTracking First Run (MS)	NoTracking Second Run (MS)
Entity SQL	179	15	149	6
LINQ	202	18	282	8
Compiled LINQ	305	15	276	6

Figure 4. LINQ v Stored Procedure Performance [7]
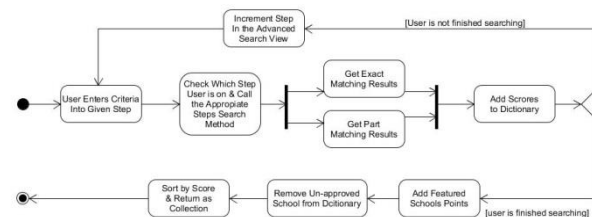
Figure 3. Advanced Search Activity Diagram