



Cairo University

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Search Engine

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Crawler :

BFS is used for crawling as the deeper the depth crawler gets far from the seed the less important the pages are ,so BFS gurantees crawling the most important pages first. Also, BFS avoid continues requests for a single host which minimises requests errors.

Indexer :

Inverted Index datastrucutre is used for indexing.It provides fast retrieval time.Inverted Index is implemented by storing in database as it's retreival time is about $O(\log n)$ (where n is the total size of the indexer).