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| **Use-Case Name** | Search Engine | |
| **Actor(s)** | End User | |
| **Description** | This use case describes an event in which a user searches for a desired content(webpage) using our search engine. The user needs to enter some keywords and choose a sorting method. Then the system will return the searched content to the user. | |
| **Reference ID** | SE001 | |
| **Typical course of Events** | **Actor Action** | **System Response** |
|  | **Step 1:**  This use case is initiated.  **Step 3:**  User type some keywords  **Step 6:**  User selects TF-IDF sorting method. | **Step 2:**  The system asks the user to enter keywords  **Step 4:**  The system records the keywords.  **Step 5:**  The system requires the user to choose the sorting method.  **Step 8:**  The system search in the database.  **Step 9:**  The system sorts the result by TF-IDF sorting method.  **Step 10:**  The system displays the searching result. |
| **Alternative courses of events** | **Step 6:**  User selects PageRank sorting method.  **Step 9:**  The system sorts the result by PageRank sorting method. | |
| **Post-conditions** | The user views what he or she want. | |

**Specification:**