**P76I900 Homework #2 - Search Engine Application V2.0**

**一張含有 文字, 螢幕擷取畫面, 軟體, 行 的圖片

自動產生的描述一張含有 文字, 螢幕擷取畫面, 軟體, 電腦圖示 的圖片

自動產生的描述P77131061 – 黃偉凱 (Huang, Wei-Kai)**

**Application use GitHub** URL : <https://github.com/rainsman-wk/ncku-113-P76I900>

* **Homework2 Requirement**
  + Draw Zipf Distribution
  + Explain Curve in database (Eq. Search enterovirus 71 to get database (around 3000+) Document
  + See what Porter's Algorithm difference of normal case
  + (Optional) Find Edit distance
* **My Homework-2 Features:**
  + Loaded File package with Keyword “enterovirus 71” from PubMed (3000+)
  + Used SQL Database for files data (UtilsDatabaseHelper.cs)
  + Create Zipf distribution Curve (ZipfChartForm.cs)
    - Give four option w/wo [Porters Algorithm] and w/wo [Stop Word]
    - Set High Frequency and Low Frequency rate for draw curve
  + Added PorterStemmer for word searching *(NuGet: StemmersNet)*
* **What I learn for this Implementation**
  + Knows how to use Database
  + Knows how to use Porter Algorithm and concept
  + Knows how to get keywords in Documents or News (熱搜程度)
  + Coding and debugging skill improvement
* **Plan to do (or for Homework#3)**
  + Improved Database content and save method
  + Porter Stemmer have to updated in Search view (Not Zipf Form Only)
  + Use Asynchronous to update view state (Faster and feel better for user)
  + Use Math(log)calculated to find dividing line for high-frequency and low-frequency words