**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Artificial Intelligence Information Retrieval(P76I900) - Homework #1 - P77131061 – 黃偉凱 (Huang, Wei-Kai)**

**My Search Engine Application features**

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

This Homework Application Version : **V1.1** for demo in class

* Project Create by C# Windows Form (.Net Framework v4.8)
* Use MVP (**Model-View-Presenter**) Architecture design
* Simple View Explanation: **[MainForm]** / **[TopView]** / [**FileListView]** / **[ResultView]**
* All views as connect to [**ToolModel]** to do data exchange and trigger via **Event.**
* **File Paring** :Load feature in (*.xml)* with **xml element** search in <Abstract> and <AbstractText>
* **File Analyze** to List<string> of [Content], [Word] and [Sentence]
  + **The number of feature use normal C# method to get counts (Incl. and excl. space)**
  + Non-Ascii count get by "[^\u0000-\u007F]" and "\b\w\*” and “\w\*\b"
* Each Load file store input data for view text search and save in class variants first.
* The Search feature including different search mode , the idea come from tool “Notepad++”
  + Search can provide in **Full Text Search** and **Selected Text Search** for each files
  + Search mode including Word(split by space) and search on **[Word List]**
  + Phrase search as same idea but search on **[Sentence List]**
  + Others search as search on **Regular expression** by **Regular expression**
* **The result have two block File Result** and **Content Result(Full Text)**
  + Files result can display all file analyze value and search result in remind file
  + Content Result can display all keywords and highlighted and give result counts

**What I learn for #1 Home word:**

Xml format , Regularexpression and how to correctly use C# Eevert interface implementation.

**What I plan to do as**

Homework #1 plus to give two view and search including words frequently calculation