Music Festival

G12

109306043 黃尹彤
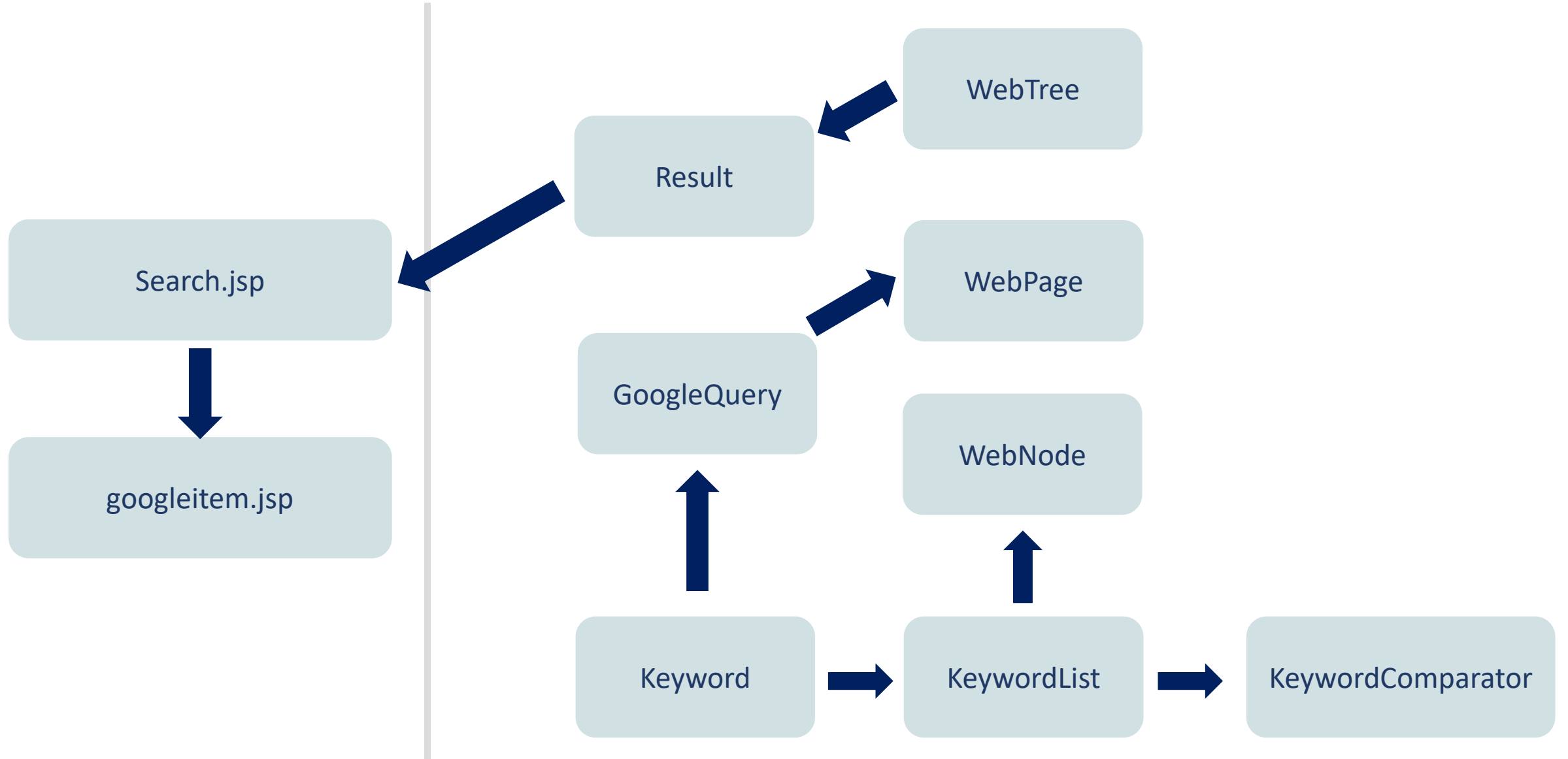
109306060 劉家妤

109306061 呂學柏

For whom ?

- For people who love rock bands, metal bands, and indie bands, the Google Search Engine may not meet their needs, since it may give results of the music concerts held by Taichung City Mayor Lu Xiu-Yan or other useless information display. Obviously, it does not meet expectations, so we want to re-weight and do sorting to provide this group of people a better and more realistic result.

Motivation and Commercial Feasibility Analysis

- With our search engine, more and more people who love independent music or the music which is not mainstream can enjoy . This search engine can give them better experience. Thus, sponsors may want to place some advertisements on both sides, top or edge of our website. Through embedded advertising, we can gain a little money as our pocket money. Finally, create a win-win situation for users, advertisers and ourselves.

Keyword

name: String
weight: double
count: int

---

toString() : String
getName() : String
getWeight() : double

Result

name: String
nodeScore: double
url: String

---

toString() : String

WordCounter

urlStr: String
content: double

---

fetchContent() : String
countKeyword(String keyword) : int

WebPage

name: String
url: String
wordCounter: WordCounter
score: double

---

setScore(ArrayList<Keyword> keywords) : void

KeywordCompartor

compare(Keyword o1, Keyword o2) : int

WebNode

root: WebNode
result: static Result

---

setPostOrderScore(ArrayList<Keyword> keywords) : void
setPostOrderScore(WebNode startNode, ArrayList<Keyword> keywords) : void
eularPrintTree() : void
eularPrintTree(WebNode startNode) : void
repeat(String str,int repeat) : String
setTreeOrder() : void
swap(int aIndex, int bIndex) : void
quickSort(int leftbound, int rightbound) : void
selectionSort(int array[]) : void
insertionSort(int array[]) : void

GoogleQuery

searchNum: int
searchKeyword :String
url: String
content : String
title : String
results : String
citeUrl : static String
k : static KeywordList
heap:PriorityQueue<WebNode>

---

fetchContent() : String
encodeURL(String url) : static String

WebTree

nodeScore:double
parent: WebNode
webpage: WebPage
children: ArrayList<WebNode>
webType: String

---

setWebType(String type) : void
setNodeScore(ArrayList<Keyword> keywords) : void
addChild(WebNode child) : void
isTheLastChild() : Boolean
getDepth() : int

TestProject

serialVersionUID : static

---

doGet(HttpServletRequest request, HttpServletResponse response) : void
doPost(HttpServletRequest request, HttpServletResponse response) : void

WebCompartor

compare(WebNode n1, WebNode n2): int

Keywords & weight

音樂祭	20.0	陣容	3.0	滅火器	2.0	老破麻	2.0
獨立音樂	10.0	票價	3.0	怕胖團	2.0	荷爾蒙少年	2.0
獨立樂團	10.0	搖滾	3.0	血肉	2.0	海豚刑警	2.0
樂團	10.0	龐克	3.0	閃靈	2.0	無妄	2.0
台灣	4.5	金屬	3.0	美秀	2.0	大港	1.5
臺灣	4.5	另類	3.0	拍謝少年	2.0	浪人	1.5
漂遊	1.5	周興哲	-10.0				
火球	1.5	盧秀燕	-10.0				
赤聲	1.5	流行音樂	-20.0				
爛泥	1.5	人力銀行	-20.0				
山海屯	1.5	臺語萌點	-20.0				
五月天	-10.0	教育雲	-20..0				

Formula :

Keyword.this.name * Keyword.this.weight