Popularity Comparison Tool Spec

# Abstract

We want a tool to compare one or more aspects (e.g. safety, efficacy, cost) of two or more products (e.g. Bloganol, Floganol) using Google search results.

# User experience

* A user enters a couple of products, space separated, in the products text field
* They enter a couple of attributes, space separated, in the attributes text field
* They press the Compare button
* They are presented with a table, where:
  + the column headings are the products,
  + the row headings are the attributes, and
  + the other cells contain the number of results Google says it returns for the relevant product and attribute, e.g. a Google search for “bloganol safety” or “floganol cost”.

# Screen layout

**Compare Products**

Products: bloganol floganol

Attributes: safety efficacy cost

Compare

|  |  |  |
| --- | --- | --- |
|  | Bloganol | Floganol |
| Safety | 1000 | 5000 |
| Efficacy | 4000 | 9000 |
| Cost | 3000 | 2000 |

**Previous Comparisons**

|  |  |  |  |
| --- | --- | --- | --- |
| **When** | **Products** | **Attributes** |  |
| 5 minutes ago | bloganol floganol | safety efficacy cost |  |
| yesterday | bloganol floganol | safety efficacy cost |  |

…

# Data Model

* Product
  + Name
* Attribute
  + Name
* Limit
  + Name
  + Code
  + Disabled
* Comparison
  + Limit
* ComparisonProduct
  + Comparison
  + Product
* ComparisonAttribute
  + Comparison
  + Attribute
* Result
  + Comparison
  + Product
  + Attribute
  + Value