Chat bot DB schema

曾雅梅

2013/12/06

* Database
  + MongoDB

(對text有大小寫之分，因此命名皆以小寫為主)

* Database name
  + bot
* Table name (Collection name)
  + QAKset
  + keyword\_data
  + statistic\_data
* Schema
  + QAKset

|  |  |  |
| --- | --- | --- |
| Name | Value type | Note |
| question | Text | Original question |
| answer | Text | Original answer |
| keyword\_list | List of text | Keywords find from question using Jieba |
| num\_of\_keyword | num | #(keyword\_list) |
| type | binary | 0 for answer, 1 for call |
| call | Text | The function to call (return answer) |

* + keyword\_data

|  |  |  |
| --- | --- | --- |
| Name | Value type | Note |
| keyword | Text | All keywords in the QAset |
| frequency | num | Number of times the keyword appears |
| prob | num |  |
| Weight\_prob | num | 1-prob |
| Weight\_exp | num | Power(e,(2(1-prob)) |

* + statistic\_data

|  |  |  |
| --- | --- | --- |
| Name | Value type | Note |
| name | Text | Any information to save |
| value | Num | The value of the information |

* The information now:
  + num\_of\_questions
  + num\_of\_frequency
  + num\_of\_keywords