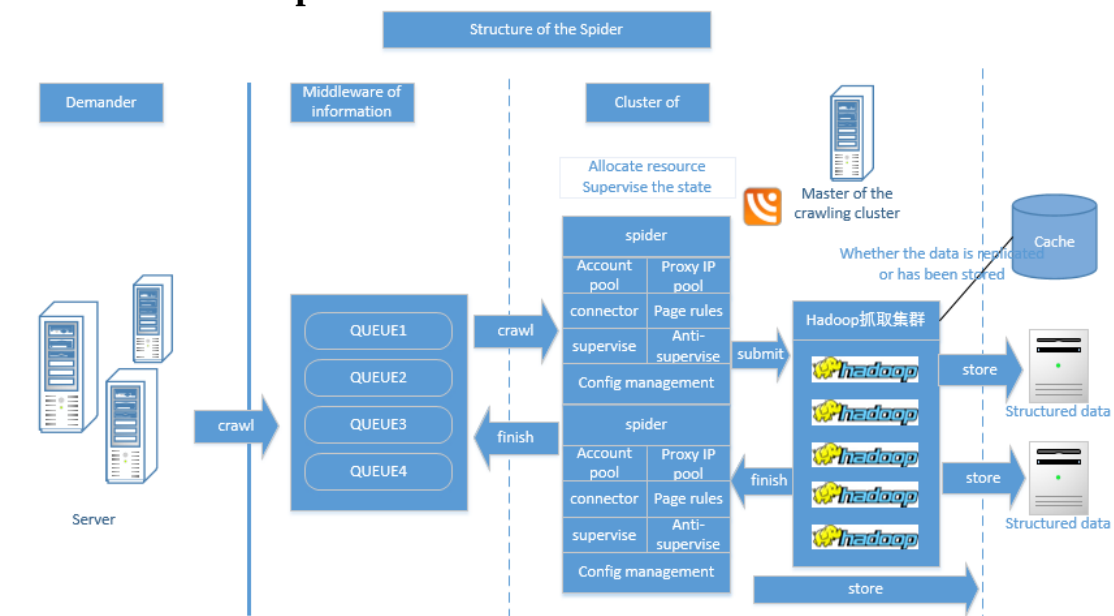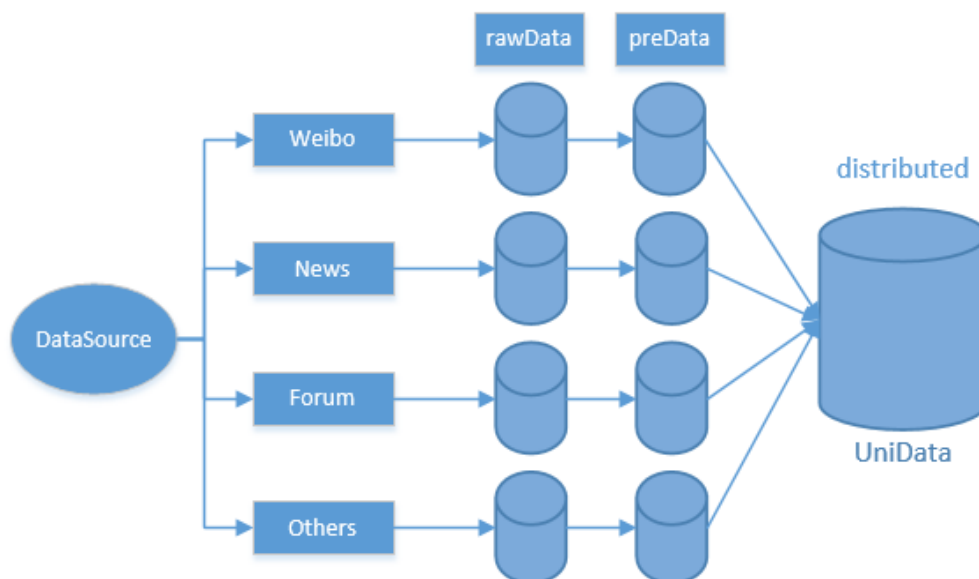# The API document of the Web Sentiment of Public

Structure of the Spider：

Flowchart of the Business Logic：

Database design:

Raw_data:

```
{
    "card_type_name": "微博",
    "itemid": "weibo_26_1_5_0",
    "openurl": "",
    "title": "",
    "show_type": 1,
```

      "scheme": "http://m.weibo.cn/1641537045/CvNKxbmdY?",
      "mblog": {
       "created_at": "08-14 17:33",
       "id": 3875794092707042,
       "text": "卧槽，你们是来逗比的还是来抢劫的？<i class=\"face face_1 icon_19\">[笑
cry]</i><i class=\"face face_1 icon_19\">[笑 cry]</i>",
       "source_allowclick": 0,
       "source_type": 1,
       "source": "微博 weibo.com",
       "favorited": false,
       "user": {
        "id": 2040531093,
        "screen_name": "爆笑 gif 图",
        "profile_image_url": "http://tp2.sinaimg.cn/2040531093/180/5725264545/1",
        "profile_url": "/u/2040531093",
        "statuses_count": 17841,
        "verified": true,
        "verified_reason": "互联网媒体人",
        "description": "人称爆笑君，发布 youtube、tumblr、vine 上最新动态图。合作 qq：
116434。微信号：gifaaa",
        "remark": "",
        "verified_type": 0,
        "gender": "m",
        "mbtype": 12,
        "ismember": 1,
        "valid": null,
        "fansNum": "294 万",
        "follow_me": false,
        "following": false
       },
       "reposts_count": 373,
       "comments_count": 61,
       "attitudes_count": 640,
       "created_timestamp": 1439544783,
       "bid": "CvNKxbmdY",
       "like_count": 640,
       "attitudes_status": 0
      },
      "actionlog": {
       "act_code": 554,
       "ext": "cate:26|pos:5_0|page:1|type:1|mid:3875794092707042",
       "luicode": "",
       "uicode": 10000003,
       "fid": "100103type=1&q=抢劫"
      },

  "topic_struct": [
       {
        "topic_title": "历史上的今天",
                                        "topic_url":   "sinaweibo://pageinfo?
containerid=1008081aaa768d772b92892b2fb6715320483e&pageid=1008081aaa768d772b92892b
2fb6715320483e&extparam=%E5%8E%86%E5%8F%B2%E4%B8%8A%E7%9A%84%E4%BB
%8A%E5%A4%A9"
       }
  ],
  "page_info": {

            "page_id": "1008081aaa768d772b92892b2fb6715320483e",
            "type": 0,
            "page_title": "#历史上的今天#",
             "page_url": "https://passport.weibo.cn/signin/welcome?entry=mweibo&r=http%3A%2F%2Fm.weibo.cn%2Fpage%2FpageJson%3Fcontainerid%3D%26containerid%3D100103type%253D1%2526q%253D%25E6%258A%25A2%25E5%258A%25AB%26v_p%3D11%26ext%3D%26fid%3D100103type%253D1%2526q%253D%25E6%258A%25A2%25E5%258A%25AB%26uicode%3D10000011%26page%3D1&containerid=100103type%3D1%26q%3D%E6%8A%A2%E5%8A%AB&v_p=11&ext=&fid=100103type%3D1%26q%3D%E6%8A%A2%E5%8A%AB&uicode=10000011&page=1",
                                                          "page_pic": "http://ww3.sinaimg.cn/thumbnail/907dff85gw1et7642dlxpj2050050749.jpg",
            "page_desc": "我存在于现实之中，知晓过去，感应未来，从而知道那就是历史的全部意义。",
            "object_type": "topic",
            "tips": "13791 人关注",
            "object_id": "1022:1008081aaa768d772b92892b2fb6715320483e",
            "actionlog": {
             "oid": "1008081aaa768d772b92892b2fb6715320483e",
             "act_code": 300,
             "act_type": 1,
             "ext": "mid:|rid:2_0_0_2669621052677919347"
            },
            "content1": "",
            "content2": ""
      }
}

Weight of HOT :
Reposts_count: 1.2
Comments_count: 1
Attitude_count : 0.8
Like_count: 0.9

PreData format:
```
/*
Pre_data_API_Design

Raw_data            -->     Predata

created_time        -->     time
text                -->     title, label, abstract, content, location
reposts_count   +
comments_count  +
attitudes_count +
like_count          -->     hot
*/

{
 "id": 3841482794665904,
 "content_type": "weibo",
 "time": "2015-01-01-17:00",
 "title": "text",
 "label": "string",
 "abstract": "string",
 "content": "string",
```

  "location": "string",
 "hot": 123,
 "url": "string",
 "user": {
  "id": 1666177401,
  "screen_name": "武汉大学",
  "profile_image_url": "http://tp2.sinaimg.cn/1666177401/180/1298883348/0",
  "profile_url": "/u/1666177401",
  "statuses_count": 6999,
  "verified": true,
  "verified_reason": "武汉大学官方微博、教育官微联盟成员",
  "description": "江城多山，珞珈独秀。山上有黉，武汉大学。",
  "remark": "",
  "verified_type": 4,
  "gender": "f",
  "mbtype": 0,
  "h5icon": {
   "main": "http://u1.sinaimg.cn/upload/2013/02/22/v_blue_2x.png",
   "other": []
  },
  "ismember": 0,
  "valid": null,
  "fansNum": "55 万",
  "follow_me": false,
  "following": true
 }
}

1. Return the data according to the search results

Method_type: **POST**

Call address: http://192.168.20.246:8003/search

Request parameter:

start_time：string 2012-09-15-12:00 the beginning search time

end_time ：string

content_type("weibo","tianya") ：data source is weibo

Return value:

Json object, including status, session_id, max_page and the content of the first page(the session_id is identified as the search result of each search)

Method_type: **POST**

Call address: http://192.168.20.246:8003/search/session_id/page_id

Request parameter:

page_id: '2'

Return value:
Json object, including status, search_id the content of the each page which is identified by the page_id.

Response parameter:
content_type: "weibo","forum","news","others"
time: publish time for the news "2015-08-10-13:00",
title: title,
label: the label of the massive incidents,
abstract: extract of the text,
content: the whole text,
location: the location where the incident happened,
url: link of the news,
hot: debated degree, int

Response example:

UniData format:

```
{
  "status": "success/none",
  "session_id": "74f4be4b",
  "count": "7074",
  "max_page": "705",
  "page_id": "1",
  "content_count" : "3",
  "page_content": [
    {
      "content_type": "weibo",
      "time": "2015-08-10-13:00", (标准时间格式)
      "title": "text",
      "label": "string",
      "abstract": "text",
      "content": "string",
      "location": "string",
      "url": "123",
      "hot": "123"
    },
    {
      "content_type": "forum",
      "time": "2015-08-10-13:00",
      "title": "string",
      "label": "string",
      "abstract": "text",
      "content": "string",
      "location": "string",
      "url": "123",
      "hot": "123"
    },
    {
      "content_type": "news",
      "time": "2015-08-10-13:00",
```

```
    "title": "text",
    "label": "string",
    "abstract": "text",
    "content": "string",
    "location": "string",
    "url": "123",
    "hot": "123"
  }
 ]
}
```

2. The status and the error handler

The error notes will be returned included in a JSON form. When it happens, the return data should only contain the information correlated with the error.

When the request is valid and successful, we should return:
```
{
    "status":"200"
    {
  "reason": "success",
  "result":
        [
           {
            "content_type": "weibo",
            "time": "2015-08-10-13:00",
            "title": "",
            "label": "",
            "abstract": "",
            "content": "",
            "location": "",
            "url": "123",
            "hot": "123"
           }
        ]
    }
}
```

If error occurs, then return:
```
{
    "status":"404"
    {
  "reason": "can not found",
  "result": []
    }
} ,

{
    "status":"304"
    {
  "reason": "invalid format ",
  "result":
    [
       {
          "time": "20150808",
          "reason": " invalid request"
       },
       {
```

```
                "field": " 2015",
                "reason": "incomplete request "
            }
        ]
        }
} ,
{
        "status":"504"
        {
    "reason": "network error",
    "result": []
        }
}
```

Public status list:
200 - success
404 - can not found
304 - invalid request
504 - network error