uholidays

uholidays is a web service which provides the current list of university holidays, from the source of Hong Kong government and the tradition of the University of Hong Kong.

1. Dependency

```
https://github.com/u01jmg3/ics-parser
```

2. Installation

```
Copy the folder uholidays to a path of your web server.
```

3. Show Holidays

```
URL: [http://www.fbe.hku.hk/webform/uholidays/index.php](http://www.fbe.hku.hk/webform/uholidays/index.php)
It will simply show the list of university holiday in JSON data format. For example:
  [
        {
        "date": "20180925",
        "name": "The day following the Chinese Mid-Autumn Festival",
        "day": "Tuesday",
        "type": "FULL",
        "source": "gov"
        },
        {
        "date": "20181001",
        "name": "National Day",
        "day": "Monday",
        "type": "FULL",
        "source": "gov"
        },
        {
        "date": "20181224",
        "name": "Christmas Eve (University holiday) - to be confirmed",
        "day": "Monday",
        "type": "FULL",
        "source": "hku"
        },
  ]
```

4. Check/Find Holidays

```
We can check whether a date is university holiday or not by calling the following function:

**checkHoliday($date_str)**
 Input: $date_str is in the format of yyyymmdd
 Output:
     true when it is a holiday
     false when it is not a holiday

**Example:**

[**http://www.fbe.hku.hk/webform/uholidays/test_check.php**](http://www.fbe.hku.hk/webform/uholidays/test_check.php)
```

```
    We can find the information of a university holiday calling the following function:

**findHoliday($date_str)**
    Input:
        $date_str is in the format of yyyymmdd
    Output:
        an object of a holiday
        null when it is not a holiday

            **Example:**

    [http://www.fbe.hku.hk/webform/uholidays/test_find.php](http://www.fbe.hku.hk/webform/uholidays/test_find.php)
<?php
    $show_json = 0;
    include "./index.php";
    print_json(findHoliday('20180925'));
    /*
        // will show the following
        {
        "date": "20180925",
        "name": "The day following the Chinese Mid-Autumn Festival",
        "day": "Tuesday",
        "type": "FULL",
        "source": "gov"
        }
    */
    print_json(findHoliday('20180926')); // will show null
?>
```

5. Holiday Update

When using the include file each time, it will check a stored file first. when the file contains equal to less than a number of re

http://www.1823.gov.hk/common/ical/gc/en.ics

The output of the iCal events will be converted to a list of holidays and saved as a file for retrieval next time.

6. University Holidays

The following university holidays will be added to the list. Note that no extra holidays will be allocated when it is on Saturday
 – The day preceding Lunar New Year's Day (PM)
 – University Foundation Day (Full day of 16 March)
 – Christmas Eve (Full day of 24 December)
 – New Year's Eve (PM of 31 December)

7. Remarks

The current server at www.fbeitt.hku.hk seems unable to read from any external website by php **cURL/file_get_contents** functions

It is recommended to install this service to another server with proper_ **_file_get_contents_** _functions._

$REFRESH_COUNTER (default = 3) located in the **index.php** is to control when the iCal file will be read. When there are just $