BRARE Rule ID& Action ID help document

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【Addtioanl Feature】: These are additional features that are not part of the compulsory
deliverables. However, the interface of these features are decleared and the
implementation may be delivered based on our progress.

【DEPREATED】: This Rule ID has been deprerated based on the project structure updated
or better design.
```

Rule

Rule ID value is in the range of 001 - 999, such that the hundreds place represents the target platform API.

```
0: Rules involves no API requrest
1-2: Twitter
3-4: FaceBook
5-6: Instagram
7: RSS
8-9: Github
```

The combination of tens place and ones place represent a specific function, and the patterns are as follows:

```
00X: Reserved
01X: Date Time
02X: Countdown Timer

A social media account post that contains specific words/sentences/hashtags: X0Y
A social media account that has not post anything in a specified period: X1Y
A social media account post that from a specific geo-location: X2Y
A social media account post that at a specific date/time range: X3Y
```

Rule ID Lookup Table

0XY

```
010: Date Time is after $givenTime$
011: Date Time is before $givenTime$

// if user sets up a countdown timer via post request
// save this countdown timer to cosmos db, where
// nextExecuteDate = (request time snapshot) + $time$
// else if condition checking is in progress (by time trigger), we should check whether
the today(condition checking time snapshot) is after nextExecuteDate
【DEPRECATED】020: Countdown Timer $time$
Note: As we consider the countdown time can be calculated by front-end and pass to the
backend, therefore we do not need to set up a Rule ID for this Condition instead we use
'nextExecuteDate' to assist our trigger event classfication.


【Additional Feature】030: Timer $id$ has not been reset
【Additional Feature】031: Timer $id$ reset link ip is not from $Australia$
```

1XY

```
100: Twitter $accountName$ post a [tweet] contains $containData$
【Additinal Feature】101: Twitter $accountName$ [profile description] contains
$containData$
110: Twitter $accountName$ has tweet for $timePeriod$
130[Changed,Issue Right Now]: Twitter $accountName$ has posted tweet during $startDate$
and $endDate$
```

3XY【Zewei Shi & Yidong Gan & Ye Yuan】

```
300: Facebook $userID$ and $accessToken$ post a [pagepost] contains $containData$

310: Facebook $userID$ and $accessToken$ has posted a [pagepost] for $timePeriod$
```

5XY

```
500: Instagram $accessToken$ post a [moments] contains $containData$

【Issue Fixing】510: Instagram $accessToken$ has posted a [moments] for $timePeriod$

【Issue Fixing】530: Instagram $accessToken$ has posted a [moments] between $startDate$
and $endDate$

Instagram API has banned get IP endpoint, therefore 52Y is not working in this given
RuleID
```

7XY

```
700: RSS $rssURL$ publish an [article] title is $title$
710: RSS $rssURL$ has article for $timePeriod$
【TBD Unfinished: Scott】730: RSS $rssURL$ has article posted during $startDate$ and
$endDate$
```

8XY

```
800: Github $user$ contain $reponame$ in all public repos
801: Github $user$ contain $data$ in all commit Message
810: Github $user$ has created a repo for $timePeriod$
830: Github $user$ created a repo between $startTime$ and $endTime$
```

Action

Action ID value is in the range of 001 - 999.

The hundreds place represents the REST request type.

```
0: GET Request
1: POST Request
2: PUT Request
3: Delete Request

(X∈[0,9] y∈[0,9])
0XY: Send a GET request to a specified endpoint
1XY: Send a POST request to a specified endpoint
2XY: Send a PUT request to a specified endpoint
3XY: Send a DELETE request to a specified endpoint
```

The combination of tens place and ones place represent a specific function, and the pattern are as follows:

Action Lookup Table

```
100: post data $data$ to specified API $apiURL$
```