APPENDIX 11 : Glow2Go API

COMPUTER ENGINEERING PROJECT 2

A light guidance system

GROUP 4

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23.05.2024

Contents

1 GET

1.1 Get active hours

URL:

`Glow2Go-IP/Glow2Go/api.php?resource=active_hours&ID=1234`

response:

`['startTime'=> '22:00:00.000000', 'endTime'=>'09:00:00.000000']`

1.2 Get events

URL:

`Glow2Go-IP/Glow2Go/api.php?resource=events&ID=1234`

Response:

```
1     [['eventId' => '1',
2    'startTime' => '2024-04-10 00:35:00.000000',
3    'TimeToBathroom' => '2024-04-10 00:40:00.000000',
4    'timeInBathroom'=> '00:05:00.000000',
5    'TimetoBedroom' => '2024-04-10 00:50:00.000000',
6    'totalTime' => '00:20:00.000000',
7    'alarmed' => '0',
8    'residentId' => '1234'],
9   ['eventId' => '2',
10   'startTime' => '2024-04-10 02:33:00.000000',
11   'TimeToBathroom' => '2024-04-10 02:36:00.000000',
12   'timeInBathroom' => '00:02:00.000000',
13   'TimetoBedroom' => '2024-04-10 02:44:00.000000',
14   'totalTime' => '00:11:00.000000',
15   'alarmed' => '0',
16   'residentId' => '1234'],
17  ['eventId' => '3',
18   'startTime' => '2024-04-11 01:14:00.000000',
19   'TimeToBathroom' => '2024-04-11 01:18:00.000000',
20   'timeInBathroom' => '00:11:00.000000',
21   'TimetoBedroom' => '2024-04-11 01:35:00.000000',
22   'totalTime' => '00:21:00.000000',
23   'alarmed' => '0',
24   'residentId' => '1234'],
25   ...
26   ... //Repeated for every event.
27   ...]]
```

1.3 Get latest event

URL:

Glow2Go-IP/Glow2Go/api.php?resource=get_latest_event&ID=1234

Response:

```
1    [['eventId' => '12',
2   'startTime' => '2024-04-21 01:58:00.000000',
3   'TimeToBathroom' => '2024-04-21 02:03:00.000000',
4   'timeInBathroom' => '00:05:00.000000',
5   'TimetoBedroom' => '2024-04-21 02:12:25.000000',
6   'totalTime' => '00:14:25.000000',
7   'alarmed' => '0',
8   'residentId' => '1234']]
```

2 POST

All post should be done to `Glow2Go-IP/Glow2Go/api.php` and the data fields first entry, resource, is what defines what you're updating.

2.1 Update active hours

Data Field:

```
1  post_data = [
2      'resource' => 'active_hours',
3      'data'=> [
4          'startTime' => '21:30:00.000000',
5          'endTime' => '09:00:00.000000'
6      ]
7  ]
```

2.2 Upload event

Data Field:

```
1  post_data = [
2      'resource' => 'event',
3      'data' => [
4          'eventId' => 12,
5          'startTime' => '2024-04-21 01:58:00.000000',
6          'TimeToBathroom' => '2024-04-21 02:03:00.000000',
7          'timeInBathroom' => '00:5:00.000000',
8          'TimetoBedroom' => '2024-04-21 02:12:25.000000',
9          'totalTime' => '00:14:25.000000',
10         'alarmed' => 0,
11         'residentId' => "1234"
12     ]
13 ]
```