API Documentation Mobile City Memory

These web services can be reached via the URL “/services/” + the respective web service name. The parameters have to be added in the given order, separated by forward slashes.

Example: <http://localhost/services/locations/52.12456/14.24363>

**Bold parameters** are required, *cursive parameters* optional.

These services return data in JSON.

# locations/**lat**/*maxlat*/**lon**/*maxlon*/

## GET

This retrieves all locations in a certain area.

### Parameters

|  |  |
| --- | --- |
| **lat** | Lower latitude bound, if maxlat is present, otherwise latitude around which locations will be returned  Format: [0-9]{1,3}.[0-9]{1,10} |
| *maxlat* | Upper latitude bound  Format: [0-9]{1,3}.[0-9]{1,10} |
| **lon** | Lower longitude bound, if maxlon is present, otherwise longitude around which locations will be returned  Format: [0-9]{1,3}.[0-9]{1,10} |
| *maxlon* | Upper longitude bound  Format: [0-9]{1,3}.[0-9]{1,10} |

If maxlat and maxlon are not present, the area searched for locations will be determined by [lat – 0,01, lat + 0,01, lon – 0,01, lon + 0,01]. If both parameters are present, locations will be searched in the area determined by all four parameters.

This behaviour is the same in all the commands with latitude and longitude parameters.

### Return data

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| locations | List of locations:   |  |  | | --- | --- | | latitude | Latitude of the location | | longitude | Longitude of the location | | title | Title of the location | |

# locations/**lat**/*maxlat*/**lon**/*maxlon*/stories/story\_count

## GET

This retrieves all locations in a certain area, which have at least one story attached to it. This also includes the count of stories attached to the locations.

### Parameters

|  |  |
| --- | --- |
| **lat** | Lower latitude bound, if maxlat is present, otherwise latitude around which locations will be returned  Format: [0-9]{1,3}.[0-9]{1,10} |
| *maxlat* | Upper latitude bound  Format: [0-9]{1,3}.[0-9]{1,10} |
| **lon** | Lower longitude bound, if maxlon is present, otherwise longitude around which locations will be returned  Format: [0-9]{1,3}.[0-9]{1,10} |
| *maxlon* | Upper longitude bound  Format: [0-9]{1,3}.[0-9]{1,10} |

### Return data

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| locations | List of locations:   |  |  | | --- | --- | | latitude | Latitude of the location | | longitude | Longitude of the location | | title | Title of the location | | story\_count | Number of stories attached to the location | |

# locations/**lat**/*maxlat*/**lon**/*maxlon*/stories/title

## GET

This retrieves all locations in a certain area, which have at least one story attached to it. This also includes the count of stories attached to the locations.

### Parameters

|  |  |
| --- | --- |
| **lat** | Lower latitude bound, if maxlat is present, otherwise latitude around which locations will be returned  Format: [0-9]{1,3}.[0-9]{1,10} |
| *maxlat* | Upper latitude bound  Format: [0-9]{1,3}.[0-9]{1,10} |
| **lon** | Lower longitude bound, if maxlon is present, otherwise longitude around which locations will be returned  Format: [0-9]{1,3}.[0-9]{1,10} |
| *maxlon* | Upper longitude bound  Format: [0-9]{1,3}.[0-9]{1,10} |

### Return data

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| locations | List of locations:   |  |  | | --- | --- | | latitude | Latitude of the location | | longitude | Longitude of the location | | title | Title of the location | | stories | List of stories:   |  |  | | --- | --- | | title | Title of the story | | |

# locations/**lat**/*maxlat*/**lon**/*maxlon*/stories/

## GET

This retrieves all locations in a certain area, which have at least one story attached to it. This also includes the count of stories attached to the locations.

### Parameters

|  |  |
| --- | --- |
| **lat** | Lower latitude bound, if maxlat is present, otherwise latitude around which locations will be returned  Format: [0-9]{1,3}.[0-9]{1,10} |
| *maxlat* | Upper latitude bound  Format: [0-9]{1,3}.[0-9]{1,10} |
| **lon** | Lower longitude bound, if maxlon is present, otherwise longitude around which locations will be returned  Format: [0-9]{1,3}.[0-9]{1,10} |
| *maxlon* | Upper longitude bound  Format: [0-9]{1,3}.[0-9]{1,10} |

### Return data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| locations | List of locations:   |  |  | | --- | --- | | latitude | Latitude of the location | | longitude | Longitude of the location | | title | Title of the location | | stories | List of stories:   |  |  | | --- | --- | | title | Title of the story | | author | Author of the story | | text | Text of the story in HTML | | time\_start | Startpoint of the story | | *time\_end* | *Optional:* Endpoint of the story | | type | Type of the story | | *image* | *Optional:* First image of the story:   |  |  | | --- | --- | | alt | Alternative text for the image | | src | Source to the image | | | |

# locations/stories/title

## GET

This retrieves all the saved stories and their title.

### Parameters

None

### Return data

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| stories | List of stories:   |  |  | | --- | --- | | title | Title of the story | | *location* | *Optional:* ID of the location this story is attached to. | |

# locations/stories

## GET

This retrieves all the saved stories with or without a location.

### Parameters

None

### Return data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| stories | List of stories:   |  |  | | --- | --- | | title | Title of the story | | author | Author of the story | | text | Text of the story in HTML | | time\_start | Startpoint of the story | | *time\_end* | *Optional:* Endpoint of the story | | type | Type of the story | | *image* | *Optional:* First image of the story:   |  |  | | --- | --- | | alt | Alternative text for the image | | src | Source to the image | | | *location* | *Optional:* ID of the location this story is attached to. | |

# locations/**id**/

## GET

This retrieves all locations in a certain area.

### Parameters

|  |  |
| --- | --- |
| **id** | ID of the story to be retrieved |

Return data

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| locations | List of locations:   |  |  | | --- | --- | | latitude | Latitude of the location | | longitude | Longitude of the location | | title | Title of the location | |

# locations/**id**/stories/story\_count

## GET

This retrieves all locations in a certain area, which have at least one story attached to it. This also includes the count of stories attached to the locations.

### Parameters

|  |  |
| --- | --- |
| **id** | ID of the story to be retrieved |

### Return data

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| locations | List of locations:   |  |  | | --- | --- | | latitude | Latitude of the location | | longitude | Longitude of the location | | title | Title of the location | | story\_count | Number of stories attached to the location | |

# locations/**id**/stories/title

## GET

This retrieves all locations in a certain area, which have at least one story attached to it. This also includes the count of stories attached to the locations.

### Parameters

|  |  |
| --- | --- |
| **id** | ID of the story to be retrieved |

### Return data

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| locations | List of locations:   |  |  | | --- | --- | | latitude | Latitude of the location | | longitude | Longitude of the location | | title | Title of the location | | stories | List of stories:   |  |  | | --- | --- | | title | Title of the story | | |

# locations/**id**/stories/

## GET

This retrieves all locations in a certain area, which have at least one story attached to it. This also includes the count of stories attached to the locations.

### Parameters

|  |  |
| --- | --- |
| **id** | ID of the story to be retrieved |

### Return data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| locations | List of locations:   |  |  | | --- | --- | | latitude | Latitude of the location | | longitude | Longitude of the location | | title | Title of the location | | stories | List of stories:   |  |  | | --- | --- | | title | Title of the story | | author | Author of the story | | text | Text of the story in HTML | | time\_start | Startpoint of the story | | *time\_end* | *Optional:* Endpoint of the story | | type | Type of the story | | *image* | *Optional:* First image of the story:   |  |  | | --- | --- | | alt | Alternative text for the image | | src | Source to the image | | | |