JSON Exercise: Document JSON files

Here's an example JSON response for one day's weather forecast. Note that unlike the files in

the previous lecture, there is no "top level" object with one key and one value. There is only one

level, so no need for indentation.

{

"date": "2015-09-01",

"description": "sunny",

"maxTemp": 22,

"minTemp": 20,

"windSpeed": 12,

"danger": false

}

|  |  |  |  |
| --- | --- | --- | --- |
| Element | description | Type | Notes |
| Date | This is the date of the recorded weather forecast | String | Format is YYYY-MM-DD. |
| Description | This tells the nature of the weather | String | Valid Values are; “Sunny”, “cloudy”, “Rainy”, “Overcast”, “Partly cloudy” and “snowing”. |
| MaxTemp | The highest temperature attained | number | Number in degree Celcius, |
| Mintemp | The minimum temp attained | number | Number in degree Celcius |
| WindSpeed | The recorded speed of of the wind at the given time | number | In kilometer per hour |
| Danger | True if the weather conditions are dangerous, otherwise false | boolean |  |

Three days Weather Forecast

Represents the weather forecasts for multiple days

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Element | | Description | Type | Notes |
| Longitude | | Longitude of the location where the forecast takes place | Number |  |
| Latitude | | Latitude of the location where the forecast takes place | number |  |
| forecasts | | The daily forecasts | Array of daily forecasts objects |  |
|  | Date | This is the date of the recorded weather forecast | String | Format is YYYY-MM-DD. |
|  | Description | This tells the nature of the weather | String | Valid Values are; “Sunny”, “cloudy”, “Rainy”, “Overcast”, “Partly cloudy” and “snowing”. |
|  | MaxTemp | The highest temperature attained | number | Number in degree Celcius, |
|  | Mintemp | The minimum temp attained | number | Number in degree Celcius |
|  | WindSpeed | The recorded speed of of the wind at the given time | number | In kilometer per hour |
|  | Danger | True if the weather conditions are dangerous, otherwise false | boolean |  |
|  | Date | This is the date of the recorded weather forecast | String | Format is YYYY-MM-DD. |

Meeting Request

Represents a Request for a meeting in calendar

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Element | | Description | Type | Required | Notes |
| Meeting | | Top level | Meeting data object | Required |  |
|  | Time | When the meeting starts. Time Zone is GMT. | string | Required | Format:  YYY-DD-MM  HH:MM |
|  | Duration | How long the meeting lasts in minutes | Numbers | Required |  |
|  | Description | A description of what the meeting is about | String | Required |  |
|  | Location | Location of where the meeting takes place | string | Optional | Default is an empty string  “ “ |
|  | Reminder | How many minutes before the meeting a reminder event should take place | Number | optional | Default is 10 minutes. |
|  | invitees | a list of email addresses of people to invite to the meeting | Array of strings | optional | The string should be an empty array, |