

Documenting JSON API Exercise

Step 1: One day forecast (1 of 3)

JSON Sample

```
{
  "date": "2021-09-01",
  "description": "sunny",
  "maxTemp": 22,
  "minTemp": 20,
  "windSpeed": 12,
  "danger": false
}
```

Represents the weather forecast for one day

Element	Description	Type	Notes
date	Today's date	String	Format "yyyy-mm-dd"
description	Weather forecast text description	String	Must be either "sunny", "overcast", "partly cloudy", "raining", or "snowing"
maxTemp	Today's high temperature	Number	Celsius
minTemp	Today's low temperature	Number	Celsius
windSpeed	Current wind speed	Number	Kilometers per hour
danger	Danger = true or false	Boolean	

Step 2: Three day forecast (2 of 3)

JSON Sample

```
{
  "longitude": 47.60,
  "latitude": 122.33,
  "forecasts": [
    {
```

```

    "date": "2021-09-01",
    "description": "sunny",
    "maxTemp": 22,
    "minTemp": 20,
    "windSpeed": 12,
    "danger": false
  },
  {
    "date": "2021-09-02",
    "description": "overcast",
    "maxTemp": 21,
    "minTemp": 17,
    "windSpeed": 15,
    "danger": false
  },
  {
    "date": "2021-09-03",
    "description": "raining",
    "maxTemp": 20,
    "minTemp": 18,
    "windSpeed": 13,
    "danger": false
  }
]
}

```

Represents the weather forecast for multiple days

Element		Description	Type	Notes
Longitude		Forecast location longitude	Number	
Latitude		Forecast location latitude	Number	
Forecasts		Daily forecasts	Array of forecast objects	
	date	Forecast date	String	Format “yyyy-mm-dd”
	description	Weather forecast text description	String	Must be either “sunny”, “overcast”, “partly cloudy”, “raining”, or “snowing”
	maxTemp	Forecast high temperature	Number	Celsius
	minTemp	Forecast low	Number	Celsius

		temperature		
	windSpeed	Current wind speed	Number	Kilometers per hour
	danger	Danger = true or false	Boolean	

Step 3: Meeting Request (3 of 3)

JSON Sample

```
{
  "meeting": {
    "time": "2021-09-01 10:00",
    "duration": 60,
    "description": "2016 Strategic Planning Meeting",
    "location": "Building 23, Room 206",
    "reminder": 15,
    "invitees": [
      "michael@example.com",
      "thelma@example.com",
      "david@example.com",
      "leon@example.com"
    ]
  }
}
```

Represents a meeting request for a calendar

Element	Description	Type	Required	Notes
Meeting	Top Level	Meeting object	Required	
time	Meeting date and time	String	Required	Format "yyyy-mm-dd GMT"
duration	Meeting duration	Number	Required	Minutes
description	Meeting description	String	Required	
location	Meeting location	String	Optional	Default is an empty " " string
reminder	How many minutes before meeting	Number	Optional	Default is 10 minutes

	invitees	A list of invitee email addresses	Array of invitees	Optional	Default is an empty [] array
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