

Markdown Challenge

Code

```
# Status Codes

Every web request returns a status code that says whether it was successful or had an error. The most famous status code is
`404`.
```

```
## Common codes
| Code | Description |
| --- | --- |
| 200 | OK |
| 403 | Forbidden |
| 404 | Not found |
```

Output

Status Codes

Every web request returns a *status code* that says whether it was successful or had an error. The most famous status code is `404`.

Common codes

Code	Description
200	OK
403	Forbidden
404	Not found

Documenting JSON Challenge:

Code

Documenting JSON Challenge

Step 1

Weather forecast for single day

Element	Description	Type	Notes
date	Date of forecast	string	YYYY-MM-DD
description	Description of what the day should be like	string	Description can have values: "sunny", "overcast", "partly cloudy", "raining", and "snowing"
maxTemp	Expected maximum temperature of the day	number	In degrees Celsius
minTemp	Expected minimum temperature of the day	number	In degrees Celsius
windSpeed	Expected speed of wind of the day	number	In kilometers per hour
Danger	Is it dangerous to go outside	Boolean	

Step 2

Weather forecast for multiple days

Element	Description	Type	Notes
longitude	Longitude of location of forecast	number	
latitude	Latitude of location of forecast	number	
forecasts	Array of forecasts	array	
date	Date of forecast	string	YYYY-MM-DD
description	Description of what the day should be like	string	Description can have values: "sunny", "overcast", "partly cloudy", "raining", and "snowing"
maxTemp	Expected maximum temperature of the day	number	In degrees Celsius
minTemp	Expected minimum temperature of the day	number	In degrees Celsius
windSpeed	Expected speed of wind of the day	number	In kilometers per hour
danger	Is it dangerous to go outside	Boolean	

Step 3

API request to create a new meeting in an online calendar

Element	Description	Type	Required	Notes
meeting	Top level	meeting data object	Required	
time	Date and Time meeting takes place	string	Required	Format GMT: YYYY-MM-DD HH:MM
duration	Duration of meeting	number	Required	
description	Description about the meeting	string	Required	
location	Location of the meeting	string	Optional	Optional, default is empty string
reminder	Set reminder this many minutes before meeting	number	optional	Optional, default is 10 minutes
invitees	People invited to the meeting	array	optional	Optional, default is empty array

Output

Documenting JSON Challenge

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Weather forecast for single day

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Documenting XML Challenge

Code

XML Documentation Challenge

Part 1

Elements of an API request to record a TV program

Element	Description	Type	Notes
recordTV	Top level	recordTV data object	
date	Date the TV program airs	string	This is optional, if not included today's date will be used
time	The time the TV program airs	string	Attribute: "format" can be either "24" or "12" for 24 or 12 hour formats
duration	The duration of the TV program	number	
channel	Which channel the program airs on	number	

Part 2

Elements of an API request to record a TV program **with** more attribute functionality

Element	Attribute	Description	Type	Required	Notes
recordTV		Top level	recordTV data object	Required	
when		Data on when the program airs		Required	
date		Date the program airs	string	Optional	Format: YYYY-MM-DD. If blank default is today's date
time		The time the TV program airs	string	Required	
format		Format the time is in (12/24hr)	number	Required	Either "12" or "24"
duration	hours	The duration of the TV program	number	Required	
station	channel	The station and channel that airs the program	number	Required	

Part 3

Elements of an API request of an IoT museum sensor

Element	Attribute	Description	Type	Notes
dailyData		Top Level	dailyData object	
date		Date of data pulled	string	
hourlyData	time	Contains the data from time given	number	Time is in local time
device		Device data		
id		Id of device	number	
temperature		Temperature device is reading	number	In degrees F
humidity		Humidity device is reading	number	in percentage

Output

XML Documentation Challenge

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