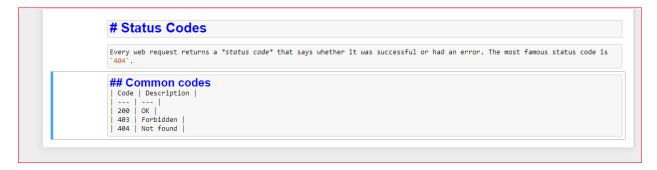
Kevin De La Torre

CS 4650

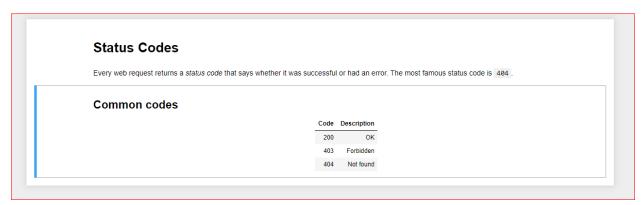
Homework 3

Markdown Challenge

Code



Output



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" "Overcast", "partly cloudy", "raining", and "snowing" | %nbsp; %nbsp; maxTemp | Expected maximum temperature of the day | number | In degrees Celsius | %nbsp; %nbsp; minTemp | Expected minimum temperature of the day | number | In degrees Celsius | %nbsp; %nbsp; windSpeed | Expected speed of wind of the day | number | In kilometers per hour | %nbsp; %nbsp; 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 | | Menbsp; Robsp; time | Date and Time meeting takes place | string | Required | Format GMT: YYYY-MM-DD HH:MM | Menbsp; Robsp; duration | Duration of meeting | number | Required | | Menbsp; Robsp; description | Description about the meeting | string | Required | | Menbsp; Robsp; Location | Location of the meeting | string | Optional | Optional, default is empty string Menbsp; Robsp; reminder | Set reminder this many minutes before meeting | number | optional | Optional, default is 10 minutes Menbsp; Robsp; invitees | People invited to the meeting | array | optional | Optional, default is empty array

Output

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	Туре	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
invitees	People invited to the meeting	array	optional	Optional, default is empty array

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 | | Ambsp; Ambsp; date | Date the TV program airs | string | This is optional, if not included today's date will be used Ambsp; &mbsp; 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

Part 1

Elements of an API request to record a TV program

Element	Description	Туре	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

Elen	nent	Attribute	Description	Type	Required	Notes
recor	rdTV		Top level	recordTV data object	Required	
V	vhen		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"
dura	ation	hours	The duration of the TV program	number	Required	
sta	ation	channel	The station and channel that airs the program	number	Required	

Part 3

Elements of an API request of an IoT museum sensor

Elemei	nt Attribute	Description	Type	Notes
dailyDa	а	Top Level	dailyData object	
da	e	Date of data pulled	string	
hourlyDa	a time	Contains the data from time given	number	Time is in local time
devid	е	Device data		
	id	ld of device	number	
	temperature	Temperature device is reading	number	In degrees F
	humidity	Humidity device is reading	number	in percentage