Exercise 4: Document XML files

Exercise in documenting two XML files .

# Part 1: Request to record a TV program

Represents an API request to record a TV program in XML.

<recordTV>

<date>2015-06-01</date>

<time format="24">18:00</time>

<duration>1.5</duration>

<channel>54</channel>

</recordTV>

| Element | | Description | Type | Required | Notes |
| --- | --- | --- | --- | --- | --- |
| recordTV | | Top level | Record data type | Required |  |
|  | date | Date of the program | String | Optional | Date in YYYY-MM-DD  format. Default value is  today's date. |
|  | time | Time the program starts | String | Required | Attribute:  format has a value of “24” “12” for “24” for 24 or 12 hour time format. Format is either HH:MM:SS (AM or PM) |
|  | duration | Length of program | Number | Required |  |
|  | channel | Channel to record | Number | Required |  |

**Part 2: Different TV request**

<recordTV>

<when date="2015-06-01" time="18:00" format="24"/>

<duration hours="1.5"/>

<station channel="54"/>

</recordTV>

Represents an API request to record a TV show with more attributes in XML.

| Element | | Attribute | Description | Type | Required | Notes |
| --- | --- | --- | --- | --- | --- | --- |
| recordTV | |  | Data on when a TV program should be recorded | TV program data | Required |  |
|  | when |  | Date and time of the program | String | Optional |  |
|  |  | date | The date | String | Optional | Format is YYYY:MM:DD, default time is today’s date |
|  |  | time | Format is either HH:MM:SS (AM or PM) | String | Required | Formai is HH:MM:SS, followed by “a.m.” or “p.m.” |
|  |  | format | The format is based on a 24-hour-clock | Number | Required | Format is is based on a 24 hour system |
|  | duration |  | Length of the program | Number | Required |  |
|  |  | hours | Length of the program, in hours | Number | Required |  |
|  | station | The station of the TV broadcast |  | Number | Required |  |
|  |  | channel | Channel to record | Number | Required |  |