

# Summer 2020 - Concert in The Park Series!

I chose the Entertainment Industry for my final project because I wanted something fun to create. As COVID-19 keeps us all confined to our homes these days, and with my passion for live music events, I thought creating a faux Summer Concert Series could be therapeutic :-). I think using XML as a dataset can be quite useful. Since XML has surrounding technologies like, XSLT and XML Schemas, parsing XML with these tools provides a solid structure in extracting data for either rendering or conversion to another file format. This is in contrast to using a scripting language like Javascript or Python to parse through XML as text. Unless you are already familiar with the aforementioned scripting languages, learning them could require a bit of a learning curve, particularly working with regular expressions.

\* The following record example was chosen, because it represents my favorite Rock n-Roll band of all time *Iron Maiden*:

Event Name	Event Date	Venue	Ticket Price	Band Name	Band Origin	Genre	Years Active
Eddie Takes Vacaville!	July 4, 2020 (Start Time: 8:00 / End Time: 11:30)	Roger's Rock N Roll Shack	99.00	Iron Maiden	England	Metal	40

## Events Listing (Unsorted)

Event Name	Event Date	Venue	Ticket Price	Band Name	Band Origin	Genre	Years Active
Eddie Takes Vacaville!	July 4, 2020 (Start Time: 8:00 / End Time: 11:30)	Roger's Rock N Roll Shack	99.00	Iron Maiden	England	Metal	40
The Creek's Summer Series with The Eagles	June 11, 2020 (Start Time: 7:30 / End Time: 11:30)	The Agenda	225.00	The Eagles	United States	Rock	43
The Bone presents "Mastodon on The Bay"	June 26, 2020 (Start Time: 9:00 / End Time: 11:50)	The Rock'em Sock'em Lounge	150.00	Mastodon	United States	Rock	24
Rock The Night Away with The Boom Booms	June 5, 2020 (Start Time: 9:45 / End Time: 11:00)	The Time Capsule Lounge	33.00	The Boom Booms	United States	Country Rock	2
Sepultura World Tour	August 3, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	62.00	Sepultura	United States	Metal	14
The Fast Lane with AC/DC	August 20, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	324.00	AC/DC	United States	Classic Rock	50
The Creek @ Vacaville	July 27, 2020	The Time	51.00	Disturbed	United	Rock	15

presents Disturbed	(Start Time: 8:30 / End Time: 11:42)	Capsule Lounge			States		
Get muddy with Mudvayne	July 1, 2020 (Start Time: 8:30 / End Time: 11:42)	The Rosey Peach	19.99	Mudvayne	United States	Rock	15
The Final Tour with The Red Hot Chili Peppers	June 30, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	400.00	Red Hot Chili Peppers	United States	Alternative Rock	19
Crank It with Limp Bizkit	June 28, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	9.37	Limp Bizkit	United States	Rock	17
The Showdown - Mudvayne	July 13, 2020 (Start Time: 8:30 / End Time: 10:00)	The Bombatta	150.00	Mudvayne	United States	Rock	21
Darkness Falls Tour with Ozzy Osbourne	July 15, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	800.00	Ozzy Osbourne	United States	Rock	53
Dance The Night Away - Gladys Knight & The Pips	July 18, 2020 (Start Time: 6:30 / End Time: 9:30)	The Time Capsule Lounge	175.00	Gladys Knight & The Pips	United States	Classic Soul	42
Shoot 'em Dead Tour with Guns 'N Roses	June 17, 2020 (Start Time: 9:15 / End Time: 11:50)	Oracle Arena	575.00	Guns 'N Roses	United States	Rock	32
Black Album Tour - Metallica	August 17, 2020 (Start Time: 1:00 / End Time: 11:00)	Outside Lands Festival	300.00	Metallica	United States	Metal	34
Get yo groove on! With Raphael Saadiq	August 3, 2020 (Start Time: 7:15 / End Time: 9:30)	Johnny's Lounge	40.00	Raphael Saadiq	United States	Neo Soul	27
Summer Slaughter! with Slipknot	August 11, 2020 (Start Time: 8:00 / End Time: 11:00)	Hard Rock Casino Sacramento	189.00	Slipknot	United States	Nu Metal	23
Unplugged with Staind	June 28, 2020 (Start Time: 4:00 / End Time: 7:00)	The Time Capsule Lounge	25.00	Staind	United States	Rock	21
I'm Back! Tour with Tom Jones	June 22, 2020 (Start Time: 7:00 / End Time: 10:30)	MGM	1,150.00	Tom Jones	United Kingdom	Pop	21
The Cool Sounds of The Boo Boo Kitties	July 22, 2020 (Start Time: 2:00 / End Time: 6:00)	Joel's Bar & Grill	60.00	The Boo Boo Kitties	United States	Funkadelic	21

Events Listing (Sorted by Band Years Active)							
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Dance The Night Away	July 18, 2020	The Time	175.00	Gladys	United	Classic	42

- Gladys Knight & The Pips	(Start Time: 6:30 / End Time: 9:30)	Capsule Lounge		Knight & The Pips	States	Soul	
Eddie Takes Vacaville!	July 4, 2020 (Start Time: 8:00 / End Time: 11:30)	Roger's Rock N Roll Shack	99.00	Iron Maiden	England	Metal	40
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\* In the table directly above, I chose the field, BandYearsActive, in descending sort order (data-type: number), because my goal was to list the bands with the most

longevity at the top. The bands who have been active the longest are towards the top.

seniority at the top. The bands who have been active the longest are towards the top, while the newcomers to music, reside towards the bottom.

## What did I learn from the course, CISW 440? And, what will I do next with this new found knowledge?

- **XML** is a way of storing data in a file, similar to HTML. Although they have this similarity, XML is used for storing and transporting data, whereas, HTML is used for displaying data.
- **XML** follows strict adherence and can be well-formed, by utilizing DTDs and XML Schemas.
- **XML** can be parsed using XSLT(style-sheets), to be rendered or delivered in another format(eg: HTML, JSON, or another XML file)
- **XML** is human-readable, as well as, system-readable.
- **XML** tags are custom-created, so defining your data by describing it makes it more understandable.

I've learned quite a bit in this XML course, in regards to how I can use the markup language:

- As I've been primarily learning web development this semester at CRC, **XML** is another option I will be delving deeper into, similar to my use of MySQL and JSON.
- I would like to also look into transporting **XML** between multiple systems and attempt to parse at the different endpoints. At each endpoint, possibly work on getting data between **XML** and a database. I think this exercise would really be helpful for future projects.
- I've learned you really need to have a keen eye on working with **XML** and its well-formedness. One missing or extra character can really have you scratching your head wondering what could be wrong. As they say, "practice makes perfect", well, at least as close to perfect as we can. :-)

\*\*\* This rendered **XML** can also be publicly viewed on my GitHub [Here](#)

\*\*\* All the source code, for this project, can also be found on my GitHub [Here](#)