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.

*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!	June 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!	June 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 21 , 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Mastodon	United States	Rock	24
Rock The Night Away with The Boom Booms	June 21 , 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	The Boom Booms	United States	Rock	2
Sepultura World Tour	June 21 , 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Sepultura	United States	Rock	14
The Fast Lane with AC/DC	June 21 , 2020 (Start Time:	The Time Capsule Lounge	150.00	AC/DC	United States	Rock	50

	8:30 / End Time: 11:42)						
The Creek @ Vacaville presents Disturbed	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Disturbed	United States	Rock	15
Get muddy with Mudvayne	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Rosey Peach	150.00	Mudvayne	United States	Rock	15
The Final Tour with The Red Hot Chili Peppers	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Red Hot Chili Peppers	United States	Rock	19
Crank It with Limp Bizkit	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Limp Bizkit	United States	Rock	17
The Showdown - Mudvayne	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Mudvayne	United States	Rock	21
Darkness Falls Tour with Ozzy Osbourne	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Ozzy Osbourne	United States	Rock	53
Dance The Night Away - Gladys Knight & The Pips	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Glady's Knight & The Pips	United States	Rock	42
Shoot 'em Dead Tour with Guns 'N Roses	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	Oracle Arena	150.00	Guns 'N Roses	United States	Rock	32
Black Album Tour - Metallica	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	Outside Lands Festival	150.00	Metallica	United States	Rock	34
Get yo groove on! With Raphael Saadiq	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	Johnny's Lounge	150.00	Raphael Saadiq	United States	Rock	27
Summer Slaughter! with Slipknot	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	Hard Rock Casino Sacramento	150.00	Slipknot	United States	Rock	23
Unplugged with Staind	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Staind	United States	Rock	21
I'm Back! Tour with Tom Jones	June 21, 2020 (Start Time:	MGM	150.00	Tom Jones	United States	Rock	21

Event Name	Event Date	Venue	Ticket Price	Band Name	Band Origin	Genre	Years Active
	8:30 / End Time: 11:42)						
The Cool Sounds of The Boo Boo Kitties	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	Joel's Bar & Grill	150.00	The Boo Boo Kitties	United States	Rock	21

Events Listing (Sorted by Band Years Active)

Event Name	Event Date	Venue	Ticket Price	Band Name	Band Origin	Genre	Years Active
Darkness Falls Tour with Ozzy Osbourne	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Ozzy Osbourne	United States	Rock	53
The Fast Lane with AC/DC	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	AC/DC	United States	Rock	50
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
Dance The Night Away - Gladys Knight & The Pips	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	Glady's Knight & The Pips	United States	Rock	42
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Rock The Night Away with The Boom Booms	June 21, 2020 (Start Time: 8:30 / End Time: 11:42)	The Time Capsule Lounge	150.00	The Boom Booms	United States	Rock	2

* 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 'senority' 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 tranporting **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*