

## Web Programming Languages – Assignment 2

**Due Date:** November 1, 11:59pm

You are given the following to work on your assignment:

- games.xml (Content Description)
- games.json (Image Paths)
- Images Folder.

Instructions:

1. Your submission should work when hosted on localhost (Use relative URLs).
2. You can use any of the following methods to read the data (xml/json)
  - a. XMLHttpRequest
  - b. jQuery's AJAX
  - c. JavaScript's Fetch
3. On page load, read games.xml and populate the following fields in the table inside your HTML page **dynamically**(As the xml/json content changes, so should your output on refresh).
  - Name
  - Description
  - Pricing (Hourly)
  - Pricing (Per Game)

### Arcade Games

Load Images

Name	Description	Pricing(Hourly)	Pricing(Per Game)
Bowling Game	Enjoy a classic game of bowling with friends and family!Bowling alley with pins and colorful lights.	\$25.00	\$5.00
Arcade Basketball	Test your basketball skills and aim for the high score!Arcade basketball hoop with colorful balls.	\$25.00	\$5.00
Air Hockey	Fast-paced fun with air hockey. Defeat your opponents!Air hockey table with paddles and puck.	\$25.00	\$5.00
Virtual Reality Racing	Experience the thrill of high-speed racing in virtual reality!Virtual reality racing simulator with immersive graphics.	\$25.00	\$5.00
Classic Pinball	Play vintage pinball machines and relive the nostalgia!Classic pinball machine with vibrant artwork.	\$20.00	\$4.00
Laser Tag	Experience the thrill of high-tech laser tag battles with your friends!Laser tag arena with neon lights and futuristic obstacles.	\$25.00	\$6.50
Virtual Reality Roller Coaster	Ride the wildest virtual reality roller coaster and experience adrenaline like never before!Virtual reality roller coaster simulation with twists and turns.	\$28.00	\$5.75
Skee-Ball	Roll the balls and aim for the target holes in this classic Skee-Ball game!Skee-Ball lanes with rolling balls and scoring holes.	\$16.00	\$2.25

4. Create a button named Load Images that will read from games.json and perform the following:
  - a. Get the image URLs from appropriate fields.
  - b. Create a new column for images in the table dynamically created by step2.
  - c. Load the last column of newly created rows with images specified by the URL.

## Arcade Games







Name	Description	Pricing(Hourly)	Pricing(Per Game)	Images
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Arcade Basketball	Test your basketball skills and aim for the high score!Arcade basketball hoop with colorful balls.	\$25.00	\$5.00	
Air Hockey	Fast-paced fun with air hockey. Defeat your opponents!Air hockey table with paddles and puck.	\$25.00	\$5.00	
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Table should have following information: Name, Description, Pricing (Hourly), Pricing (Per Game) , Images(only onClick).

Optional: Code the Load images button to be a toggle button (show/hide images).

Resources:

<https://developer.mozilla.org/en-US/docs/Web/API/XMLHttpRequest>

[https://developer.mozilla.org/en-US/docs/Web/API/Fetch\\_API](https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API)

<https://api.jquery.com/jquery.ajax/>

<https://api.jquery.com/append/>

<https://api.jquery.com/find/#find-selector>

<https://api.jquery.com/jquery.getJSON/#jQuery-getJSON-url-data-success>

<http://api.jquery.com/jquery.each/>

<http://api.jquery.com/each/>

<https://api.jquery.com/attr/>

**Deliverables:**

Screenshot of the results

HTML and JS file

Zip your files with images into A2-yournetid.zip.