

Movies web page

Web Development

Time: 60 mins

Introduction

In this class, the student/s will learn to add movie cards on the movie's web page and style them using bootstrap. Student/s will also learn to add a play button to play the movie within the web page.

HTML Tags & CSS Properties Introduced

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|---|--|
| • <code>class = "col-md-3"</code> | The viewport has 12 columns. To place 4 movie cards, we divide $12 / 4 = 3$, and hence, 4 cards of 4 medium columns can be created. |
| • <code>class="card border-0"</code> | Adds a card with no border |
| • <code>class="card-body bg-dark bg-gradient text-white"</code> | Creates a card with padding, dark gradient background and white text |
| • <code>class="text-danger"</code> | Adds red text |
| • <code>class="badge bg-danger"</code> | Spans a red badge to highlight content |
| • <code>class="text-warning"</code> | Sets the text color to yellow |
| • <code><i class="bi-star-fill"></code> | Adds an icon using bootstrap icon class bi where icon selected is a filled star. |
| • <code>class="card-img-overlay"</code> | Enables adding text over the image |
| • <code>class="btn-danger rounded"</code> | Adds a red rounded button |
| • <code><i class="bi bi-play-fill"></code> | Adds a filled play icon |

Vocabulary

- **Gradient** is gradual blending from one color to another.
- **Badges** are used to add additional information to a website.
- **Bootstrap icons** are provided as a library of readymade icons which can be used in a website.

Learning Objectives

Student/s should be able to:

- **Recall** to add image, heading, paragraph, and iframe using HTML tags.

- **Demonstrate** how to add and style an icon using bootstrap.
- **Explain** how to style and arrange movie details using predefined classes in bootstrap.
- **Create** and style the movie's web page on the MMBFLIX website along with a play button.

Activities

1. Class Narrative: (2 mins)

- Brief the student/s that the music web page with audio control is ready and they will add content to the movie web page.

2. Concept Introduction Activity: (5 mins)

- Let the student/s play the explore-activity and explore that the movie's web page has a navigation bar, movie name, details along with ratings, and a play button to view the trailer.
- Using the slides, explain that the student/s will learn:
 - to add the movie player and images
 - to add the movie details
 - to add the play button and movies

3. Activity 1: Add the Movie Player and Images: (7 mins)

Student Activity: (7 mins)

- Recall iframe with a quiz to embed the movie trailer as a video web page within the movie's web page.
- Guide the student/s to add a movie player to the Movies web page and set its width and height.
- Recall the use of a grid in bootstrap to place 4 movie cards with images in a row.
- Guide the student/s to add 4 movie images in a row.

4. Activity 2: Add the Movie Details: (10 mins)

Teacher Activity: (5 mins)

- Explain to the student/s to add the movie name and its details like category, release year, description, and rating along with a highlighter badge. Also, explain to the student/s to style the rating in the movie card using bootstrap icon classes.

Student Activity: (5 mins)

- Guide the student/s to add the movie details like movie name, category, ratings, release year and description using bootstrap.

Probing question: Which tag can be used to add an icon on the web page?

Expected answer: <i> tag

5. Activity 3: Add the Play Button and Movies: (10 mins)

Teacher Activity: (5 mins)

- Explain to the student/s how to add a button with a play icon and play the movie in the movie player using the iframe name and its target.

Student Activity: (5 mins)

- Guide the student/s to add a play button and hyperlink it to the movie and play the movie in the movie player section.

6. Introduce the Post class project: (2 min)

- Add a Play button for the videos of the Art Gallery website.

7. Test and Summarize the class learnings: (5 mins)

- Check for understanding through quizzes and summarize learning after respective missions.
- Summarize the overall class learning towards the end of the class.

8. Additional activities:

- Encourage the student/s to align the first movie card to cover one third of the screen and add appropriate padding to its content.
- Encourage the student/s to add a badge for the movies available in HD quality in the left corner of the movie card.

9. State the Next Class Objective: (1 min)

- We will learn to develop the Books web page of the MMBFlix website.

U.S. Standards:

CSTA:

Links Table		
Activity	Activity Name	Link
Class Presentation	Movies web page	https://s3-whjr-curriculum-uploads.whjr.online/f8eb7e2d-9ded-471c-b9e7-e43e92be17bb.html
Explore Activity	Movies Web Page: Explore Activity	https://tynker.com/code/view/634cfa7c7162f4376d24b532/
Student Activity 1.1	Add the Movie Player	https://tynker.com/code/project/63567fbb4be2ce3f3548ca12
Teacher Reference: Student Activity 1.1 Solution	Add the Movie Player - Solution	https://tynker.com/code/project/63567e4174e8863769164652
Student Activity 1.2	Add the Movie Images	https://tynker.com/code/project/634cfa6d4a276340d53d2d42
Teacher Reference: Student Activity 1.2 Solution	Add the Movie Images - Solution	https://tynker.com/code/project/634b847f002acf2a52732e42
Teacher Activity 2	Add the Movie Details	https://tynker.com/code/project/639c5f17fb31a570cb08ddb2
Teacher Activity 2 Solution	Add the Movie Details - Solution	https://tynker.com/code/project/639c5e0a1ada4b26fc4d9ee2
Student Activity 2	Add the Movie Details	https://tynker.com/code/project/634cfa773d9fa3124f1756a2
Teacher Reference: Student Activity 2 Solution	Add the Movie Details - Solution	https://tynker.com/code/project/634cfa731abce7759c003f82

Teacher Activity 3	Add the Play Button and Movies	https://tynker.com/code/project/639c6ebdfba3ec49d523bab2
Teacher Activity 3 Solution	Add the Play Button and Movies - Solution	https://tynker.com/code/project/639c634a69a2036f9a49bbc2
Student Activity 3	Add the Play Button and Movies	https://tynker.com/code/project/634d046ce48b0f3d176e1842
Teacher Reference: Student Activity 3 Solution	Add the Play Button and Movies - Solution	https://tynker.com/code/project/634cfa7c7162f4376d24b532
Student's Additional Activity 1	Adjust the Layouting and Padding	https://tynker.com/code/project/6356aa3d8e61eb436e4a0b33
Teacher Reference: Student's Additional Activity 1 Solution	Adjust the Layouting and Padding - Solution	https://tynker.com/code/project/6356a862ca7898048238e1e2
Student's Additional Activity 2	Add Badges for HD Movies	https://tynker.com/code/project/6356ac29db0b2d327819a2e2
Teacher Reference: Student's Additional Activity 2 Solution	Add Badges for HD Movies - Solution	https://tynker.com/code/project/6356a2d26f6b26741b5a9ac2
Post Class Project	Add Play Button for the Videos	https://tynker.com/code/project/63a0e36b7b818802d51473c2
Teacher Reference: Post Class Project Solution	Add Play Button for the Videos - Solution	https://tynker.com/code/project/63a0dfc7b0d15575480d68c2