Book Webpage

Web Development

Time: 60 mins

Introduction

In this class, the student/s will learn to add a book on the MMBFlix website using pre-defined classes in bootstrap. Student/s will also learn to open a book in a pop-up window when clicking a modal. Student/s will also complete the book web page by adding a close button on the modal window.

Modal Classes and Properties Introduced

- class= "modal-dialog"   Creates a dialog with proper width and margin

- class = "modal-content"   Adds content to the modal and styling the border, background, etc.

- class = "modal-header"   Adds heading and styling the title text

- class = "modal-body"   Allows to add and style the elements of the modal body

- data-bs-toggle = "modal"   Adds a toggle functionality to the modal on click

Vocabulary

- **Modal** is a pop-up window that appears on top of the current web page.

Learning Objectives

Student/s should be able to:
- *Recall* the bootstrap class names used for adding a card.
- *Demonstrate* how to open a pop-up window using a modal.
- *Explain* the difference between a pop-up window and a drop-down window.
- *Create* and style the book's webpage on the MMBFlix website along with a close button.

Activities

1. **Class Narrative:** *(2 mins)*
   - Brief the student/s that the music and movies webpages are ready and they will add content to the books page.

2. **Concept Introduction Activity:** *(5 mins)*

- Let the student/s play the explore-activity and explore that there are multiple books on the page along with their titles and author names labeled below. Each book opens in a pop-up window.
- Using the slides, explain that the student/s will learn:
  - to add a book
  - to create a pop-up window for a book
  - to complete the book webpage

3. **Activity 1: Add a Book:** *(7 mins)*

   Student Activity: *(7 mins)*
- Recall the bootstrap class names used for adding the book's cover image and details.
- Guide the student/s to create and style a card for the book.
  Note: Let the students know that the default border is 1 and ask them to try with border values between 0 to 5.

4. **Activity 2: Create a Book Pop-up Window:** *(10 mins)*

   Teacher Activity: *(5 mins)*
- Explain to the student/s the difference between a drop-down window and a pop-up window.
- Explain to the student/s how to open a book within a pop-up window and that bootstrap uses a special plugin called modal.

   Student Activity: *(5 mins)*
- Guide the student/s to open another book in a pop-up window using a modal.
  Probing question: Which class can be used to add a dialog to the modal?
  Expected answer: modal-dialog

5. **Activity 3: Complete the Book Web Page:** *(10 mins)*

   Teacher Activity: *(4 mins)*
- Highlight to the student/s that a pop-up window appears but there is no text to read except the heading.
- Recall using iframe to embed the book within the pop-up window.
- Note that the url added fetches a PDF from an external link and not from Tynker server, hence the url has 2 sources.
- Explain to the student/s to add an iframe to display the book text within the modal and close the book modal with a close button.

   Student Activity: *(6 mins)*
- Guide the student/s to add an iframe to display the book text within the modal.
- Guide the student/s to add a button to close the modal.

6. **Introduce the Post class project:** *(2 min)*
- Add gallery images within a pop-up window for the Australia section using modal classes.

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 add the button to view a book.
- Encourage the student/s to add a button to the modal that opens the next book.

9. State the Next Class Objective: *(1 min)*
- We will learn to add a footer and a feedback form to the MMBFlix website.

Links Table		
Activity	**Activity Name**	**Link**
Class Presentation	Book Webpage	https://s3-whjr-curriculum-uploads.whjr.online/af1d8d64-c361-4a09-befc-dec4388d380a.html
Explore Activity	Book Webpage: Explore Activity	https://tynker.com/code/view/635f9608d57b7155f0475742/
Student Activity 1	Add a Book	https://tynker.com/code/project/635bcee415a397229544d152
Teacher Reference: Student Activity 1 Solution	Add a Book - Solution	https://tynker.com/code/project/635bd1b86a8dec5b4f6c4982
Teacher Activity 2	Create a Book Pop-up Window	https://tynker.com/code/project/635bced69681033567516982
Teacher Activity 2 Solution	Create a Book Pop-up Window - Solution	https://tynker.com/code/project/635bcedd5d678515cc136752
Student Activity 2	Create a Book Pop-up Window	https://tynker.com/code/project/635bd6244528e11fde14fec2
Teacher Reference: Student Activity 2 Solution	Create a Book Pop-up Window - Solution	https://tynker.com/code/project/635bd62901f3f36a1b512bc2
Student Activity 3.1	Display Book Text within Modal	https://tynker.com/code/project/63a1416ed3e7a334d4212ba3
Student Activity 3.1 Solution	Display Book Text within Modal - Solution	https://tynker.com/code/project/63a142dbd4305f21a87e2ed2
Teacher Activity 3.2	Add a Close Button	https://tynker.com/code/project/63aed814a0d6eb775d6a68d2
Teacher Activity 3.2 Solution	Add a Close Button - Solution	https://tynker.com/code/project/63aed8e615b00147a343bcd3
Student Activity 3.2	Add a Close Button	https://tynker.com/code/project/635f960debcd0433fd7fe522
Teacher Reference: Student Activity 3.2 Solution	Add a Close Button - Solution	https://tynker.com/code/project/635f9608d57b7155f0475742
Student's Additional Activity 1	Add a View Book Button	https://tynker.com/code/project/635fc31a0f8e1a164d5b9f92
Teacher Reference: Student's Additional Activity 1 Solution	Add a View Book Button - Solution	https://tynker.com/code/project/636018d36342cc60d4621102
Student's Additional Activity 2	Read the Next Book	https://tynker.com/code/project/63601f8405f67c13d94da192

Teacher Reference: Student's Additional Activity 2 Solution	Read the Next Book - Solution	https://tynker.com/code/project/635fc3146ddb187dfe744352
Post Class Project	Display Gallery Images in a Pop-up Window	https://tynker.com/code/project/63a13bcd2890a71cea6143a2
Teacher Reference: Post Class Project Solution	Display Gallery Images in a Pop-up Window - Solution	https://tynker.com/code/project/63a130a7d9869f69ad4d1f92