Website Carousel

Web Development

Time: 60 mins

Introduction

In this class, the student/s will learn to create an image carousel displaying the contents of different web pages of the multimedia website. Student/s will also learn to add buttons on the carousel to change the slides.

HTML Tags & CSS Properties Introduced

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Vocabulary

- **Image Carousel** is a slideshow that highlights the content of the website.

Learning Objectives

Student/s should be able to:
- *Demonstrate* how to create an image carousel.
- *Explain* how to add slides to the image carousel.
- *Describe* how to add buttons to change the slides.
- *Create* an image carousel that highlights the different features of the MMBFlix website.

Activities

1. **Class Narrative:** *(2 mins)*
   - Brief the student/s that MMBFlix wants to make their website more attractive, and engaging and showcase the contents to the user at a glance on the home page.

2. **Concept Introduction Activity:** *(5 mins)*
   - Let the student/s play the explore-activity and explore the new feature of the image carousel on the home page of the MMBFlix website.
   - Using the slides, explain that the student/s will learn:
     - to create a carousel slide
     - to add the carousel buttons
     - to create the carousel effect

3. **Activity 1: Create the Carousel Slide:** *(7 mins)*

   Student Activity: *(7 mins)*

- Guide the student/s to create the first slide of the carousel using inline styling.
- Guide the student/s to add the content onto the carousel slide using text and button elements.

4. **Activity 2: Add the Carousel Buttons:** *(10 mins)*

   Teacher Activity: *(5 mins)*
   - Highlight to the student/s that there were Previous and Next buttons on the carousel to change the slides.
   - Explain to the student/s how to add a button that navigates to the previous image on the carousel.

   Student Activity: *(5 mins)*
   - Guide the student/s to add a button that navigates to the next image on the carousel.
     Probing question: What is the class name used to create a slide of a carousel?
     Expected answer: carousel-item

5. **Activity 3: Create the Carousel Effect:** *(10 mins)*

   Teacher Activity: *(5 mins)*
   - Highlight to the student/s that the previous and next item in the carousel is not viewable even after adding the buttons.
   - Explain to the student/s how to add more slides to the carousel and add movement to make it functional.

   Student Activity: *(5 mins)*
   - Guide the student/s to complete the carousel by adding slides for the Books and Movies.

6. **Introduce the Post class project:** *(2 min)*
   - Create a carousel for 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 fix the functioning of the carousel on the website.
   - Encourage the student/s to complete the carousel on the podcast page by adding different colored buttons for each slide.

9. **State the Next Class Objective:** *(1 min)*
   - We will learn to develop the Music page for the OTT platform.

U.S. Standards:

CSTA:

Links Table		
Activity	**Activity Name**	**Link**

Class Presentation	Slides link	https://s3-whjr-curriculum-uploads.whjr.online/f4e75056-beb5-4322-ac20-bac5391f6039.html
Explore Activity	Student Explore Activity	tynker.com/code/project/6348012b4aedd67f6437f642
Student Activity 1.1	Create a Carousel Slide	tynker.com/code/project/6348011081a0f66e944d3272
Teacher Reference: Student Activity 1.1 Solution	Create a Carousel Slide	tynker.com/code/project/634801091b065e111d3f97d2
Student Activity 1.2	Create a Carousel Slide	tynker.com/code/project/6396d95f1a10e356a808f842
Teacher Reference: Student Activity 1.2 Solution	Create a Carousel Slide	tynker.com/code/project/6396d98482d52662b31025c2
Teacher Activity 2	Create the Carousel Control Button	tynker.com/code/project/63517d0260688b0fbb1f54b2
Teacher Activity 2 Solution	Create the Carousel Control Button	tynker.com/code/project/63517c8004e44606c6265c22
Student Activity 2	Create the Carousel Control Button	tynker.com/code/project/6348011e053db435893300a2
Teacher Reference: Student Activity 2 Solution	Create the Carousel Control Button	tynker.com/code/project/63480118c5555e74e82aad42
Teacher Activity 3	Create the Carousel Effect	tynker.com/code/project/63a56bf71381e374e4019382
Teacher Activity 3 Solution	Create the Carousel Effect	tynker.com/code/project/63a56c71e0e5c12f3a6cac82
Student Activity 3	Create the Carousel Effect	tynker.com/code/project/634801253f2d6a18b24a7f42
Teacher Reference: Student Activity 3 Solution	Create the Carousel Effect	tynker.com/code/project/6348012b4aedd67f6437f642
Student Additional Activity 1	Fix the Carousel	tynker.com/code/project/63516f16dcbf367f7920e252
Teacher Reference: Student Additional Activity 1 Solution	Fix the Carousel	tynker.com/code/project/635176f427e10360190842a2
Student Additional Activity 2	Style Podcast Page Carousel	tynker.com/code/project/6351785966c5d40ce963f1d2
Teacher Reference: Student Additional Activity 2 Solution	Style Podcast Page Carousel	tynker.com/code/project/635150781f740b7f49499412
Post Class Project	Art Gallery- II	tynker.com/code/project/6368bc9892d59f58a20e5742