

# Customer Feedback

## Web Development

**Time:** 60 mins

## Introduction

In this class, the student/s will create a feedback form for the MBBFLIX website by adding fields to collect names, emails and feedback from a customer along with creating checkboxes and radio buttons.

## HTML Tags and Attributes Introduced

- |  |  |
|--|--|
| • <code>&lt;form&gt;&lt;/form&gt;</code>         | Creates the form.  |
| • <code>input</code>                             | Specifies an input field where the user can enter data.  |
| • <code>&lt;textarea&gt;&lt;/textarea&gt;</code> | Creates a text area that can stretch to multiple rows.   |
| • <code>mb</code>                                | Assigns a margin to the bottom of the element.   |
| • <code>placeholder</code>                       | Puts a text to a field that gets deleted when something is typed over it.  |
| • <code>form-control</code>                      | It could be used to apply styling to form elements, such as text inputs, select boxes, and textareas. It is a part of the Bootstrap CSS framework and is designed to help developers create consistent, responsive, and user-friendly forms. |
| • <code>type</code>                              | Defines the type of the input, it can be a checkbox, radio button, text, etc.  |
| • <code>name</code>                              | Gives a name to a group of radio buttons, so that only one from all of them can be selected.   |
| • <code>onclick</code>                           | Returns the function when the submit button is clicked.  |
| • <code>onsubmit</code>                          | Returns nothing when the form is submitted.  |
| • <code>required</code>                          | Ensures that no input field is submitted blank in a form.  |

- **Checkbox** Ensures that multiple options can be selected while submitting a form.
- **Radio button** Ensures that a single option can be selected while submitting a form

## Learning Objectives

Student/s should be able to:

- **Explain** the different fields necessary to create a form and their types.
- **Implement** creating a checkbox, radio button and the submit button.

## Activities

### 1. Class Narrative: (2 mins)

- It is important to collect feedback from customers so that MBBFLIX can get a first-hand overview of their product. Hence MBBFLIX wants to create a feedback form that will help them improve their services. Now can you create the feedback form, so that MBBFLIX can get valuable feedback from customers?

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

- Let the student explore the final outcome of the class.
- Using the slides, explain that the student/s will learn:
  - to create a name, email, and feedback fields
  - to add a submit button
  - to add checkboxes and radio buttons
  - validate that there are no blank responses
- Brief the student/s that they will have to create a form to capture feedback from any user.

### 3. Activity 1: Create the Form (10 mins)

#### Teacher Activity: (5 mins)

- Introduce the concept of `<input>` and `<textarea>` tags in HTML.  
`<input>` element in HTML is used to collect data. The input collected here is on a single line.  
`<textarea>` element in HTML is used to create a multi-line text input field where users can enter and edit multiple lines of text. It is often used in forms to allow users to enter longer descriptions or messages.
- Create the form that contains the name and the feedback fields, along with the submit button.
- Explain the code to the students.

#### Student Activity: (5 mins)

- Guide the student/s to create the form that contains the name, the email, and the feedback fields, along with the submit button.

#### 4. Activity 2: Align the Elements (5 mins)

##### **Student Activity:** (5 mins)

- Guide the student/s to add appropriate styling to the `<div>`, `<img>`, `<form>` tags using Bootstrap classes. `<div>` tags of the name and email and `<img>` tag of the feedback icon.

#### 5. Activity 3: Add Buttons and Validation (15 mins)

##### **Teacher Activity:** (5 mins)

- Create the checkboxes and radio buttons. Explain radio buttons and checkboxes.

Analogies to explain checkboxes:

1. Choosing hobbies: Imagine you want to ask someone to select all of their hobbies from a list of options. You could use checkboxes to allow the user to select multiple options, as it makes sense for someone to have more than one hobby.
2. Selecting toppings for a pizza: When ordering a pizza, you might be asked to choose which toppings you want on your pizza from a list of options. In this case, you might want to select multiple toppings, so checkboxes would be an appropriate choice.

Analogies to explain radio buttons:

1. Choosing a color for a car: Imagine your friend's parents are buying a car and they have to pick a color of the car from a list of options. You could use radio buttons to allow the user to select only one option, as the car can only have one color.
2. Selecting a meal option at a restaurant: When ordering food at a restaurant, you might be asked to choose between different meal options, such as a vegetarian option, a meat option, or a fish option. In this case, you would only want the user to select one option, so radio buttons would be an appropriate choice.

- Explain the code to create checkboxes and radio buttons.
- Complete the code for the submit button.
- Explain the code for validation and check the validation feature by opening the project link from the view mode.

It is important to add validation to a form to ensure that the data entered by the user is accurate and in the correct format. This can help prevent errors and improve the overall quality of the data being collected.

There are several types of validation that you might want to add to a form, depending on the specific requirements of your application. Some common types of validation include:

- Required fields: You might want to make sure that certain fields in the form are mandatory to be filled out by the user. This can help ensure that all necessary information is collected.

By adding validation to a form, you can help ensure that the data being collected is not of poor quality. This can save time and resources in the long run, as it can reduce the need for manual data entry and correction.

**Student Activity: (10 mins)**

- Guide the student/s to create the radio buttons to see whether the users are satisfied with the website, checkboxes to understand the collections liked by the users, and the submit button as well as validate empty fields in the form.

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

World Travel Feedback: A famous travel organization wants feedback from customers. Can you help them create one?

- All of the design elements are already present however they are not working properly please help fix it.

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

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

**8. Additional activities:**

- Create the Book Review Form: It is important for potential book buyers to know if a book is worth reading or not. Hence, let's create a form where users can write a review for a book. In this activity, you will add the radio button and the modal for writing the feedback.
- Complete the Book Review Form: In this activity, you will complete making the Review form by adding validation, text area and accepting feedback input.

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

- We will add more features to the website. We will add the final finishing touches to our website like the footer, loader and back to top button.

## U.S. Standards:

Links Table		
Activity	Activity Name	Link
Class Presentation	Customer Feedback	<a href="https://s3-whjr-curriculum-uploads.whjr.online/fbffc20c-f360-4db7-a59e-fdccfc1683bd.html">https://s3-whjr-curriculum-uploads.whjr.online/fbffc20c-f360-4db7-a59e-fdccfc1683bd.html</a>
Explore Activity	Customer Feedback: Explore Activity Link	<a href="https://tynker.com/code/view/634d2731fb666e0e3371d6a2/">https://tynker.com/code/view/634d2731fb666e0e3371d6a2/</a>
Teacher Activity 1	Create the Form	<a href="https://tynker.com/code/project/634d232651f7f81b01221482">https://tynker.com/code/project/634d232651f7f81b01221482</a>

Teacher Activity 1 Solution	Creating the Form	<a href="https://tynker.com/code/project/634d21f3cc314e1df531d9b2">https://tynker.com/code/project/634d21f3cc314e1df531d9b2</a>
Student Activity 1	Create the Form	<a href="https://tynker.com/code/project/635eb0ce3cb1352665763312">https://tynker.com/code/project/635eb0ce3cb1352665763312</a>
Teacher Reference: Student Activity 1 Solution	Create the Form	<a href="https://tynker.com/code/project/635eb0beb041e5328b43ca42">https://tynker.com/code/project/635eb0beb041e5328b43ca42</a>
Student Activity 2	Align the Form Elements	<a href="https://tynker.com/code/project/634d26dafb5ee05a1314aba2">https://tynker.com/code/project/634d26dafb5ee05a1314aba2</a>
Teacher Reference: Student Activity 2 Solution	Align the Form Elements	<a href="https://tynker.com/code/project/634d2474a16f4736031466e2">https://tynker.com/code/project/634d2474a16f4736031466e2</a>
Teacher Activity 3	Add Buttons and Validation	<a href="https://tynker.com/code/project/639c21d2e484164e563dd742">https://tynker.com/code/project/639c21d2e484164e563dd742</a>
Teacher Activity 3 Solution	Add Buttons and Validation	<a href="https://tynker.com/code/project/639c1fe3ea5c1820ed5f8d32">https://tynker.com/code/project/639c1fe3ea5c1820ed5f8d32</a>
Student Activity 3	Add Buttons and Validation	<a href="https://tynker.com/code/project/634d2c333f6d2b7934691292">https://tynker.com/code/project/634d2c333f6d2b7934691292</a>
Teacher Reference: Student Activity 3 Solution	Add Buttons and Validation	<a href="https://tynker.com/code/project/634d2731fb666e0e3371d6a2">https://tynker.com/code/project/634d2731fb666e0e3371d6a2</a>
Student's Additional Activity 1	Create the Book Review Form	<a href="https://tynker.com/code/project/635f70c5c35cf45b0159ccd2">https://tynker.com/code/project/635f70c5c35cf45b0159ccd2</a>
Teacher Reference: Student's Additional Activity 1 Solution	Create the Book Review Form	<a href="https://tynker.com/code/project/635f70cdabccdc232e1a96b2">https://tynker.com/code/project/635f70cdabccdc232e1a96b2</a>
Student's Additional Activity 2	Complete Book Review Form	<a href="https://tynker.com/code/project/635f78cd3077106a072fd232">https://tynker.com/code/project/635f78cd3077106a072fd232</a>
Teacher Reference: Student's Additional Activity 2 Solution	Complete Book Review Form	<a href="https://tynker.com/code/project/635f78d46e20c31dbc48b8c2">https://tynker.com/code/project/635f78d46e20c31dbc48b8c2</a>
Post Class Project	World Travel Feedback	<a href="https://tynker.com/code/project/63a144dc578bbe65ac476872">https://tynker.com/code/project/63a144dc578bbe65ac476872</a>
Teacher Reference: Post Class Project Solution	World Travel Feedback	<a href="https://tynker.com/code/project/63a13dacc2e17504544a7cb2">https://tynker.com/code/project/63a13dacc2e17504544a7cb2</a>