

Event Handler

Web Technologies



Lecture by
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```
<!doctype html>
<html>
  <head>
    <title>
      Web Technologies
    </title>
    <style>
      p {
        color: blue;
      }
    </style>
    <script>
      console.log("client-side");
    </script>
  </head>
  <body>
    <p>
      Welcome!
    </p>
  </body>
</html>
```


What we will cover

- **DOMContentLoaded Event**
- **addEventListener method**
- **Event Object**
 - Method
 - Property

DOMContentLoaded Event

- Syntax

```
document.addEventListener  
("DOMContentLoaded", eventHandlerFunction);
```

addEventListener ()

- Syntax

```
eventTarget.addEventListener("eventName",eventHandlerFunction);
```

```
const joinList = () => {  
    alert("The statements for the function go here") };  
$("#submit_button").addEventListener("click", joinList);
```

Events

Object	Event
Window	Load
Document	DOMContentLoaded
Button Control or Link	Click, Focus, Blur
Control	Change, Select
Element	Click, dblclick, mouseover, mousein, mouseout

Anonymous Functions

```
document.addEventListener  
("DOMContentLoaded", () => {  
    const msg = "The DOM is ready!";  
    alert(msg);  
});
```

Event Object

- **Property**

currentTarget ()

- **Method**

preventDefault ()

preventDefault ()

```
<form action="join.html" method="get">
  <input type="text" id="email_1" name="email_1">
  <input type="submit" id="join_list" value="Join List">
</form>
<script>
  const joinList = evt => {
    if (document.querySelector("#email_1").value == "") {
      alert("Email is required.");
      evt.preventDefault(); } };
  document.addEventListener("DOMContentLoaded", () => {
    $("#join_list").addEventListener("click", joinList);});
</script>
```

Try It Yourself

In this activity you can practice creating forms and use an event handler function for it. So,

1. Use the code provided in slide 9, create the webpage with one submit button and an email address as a user entry.