



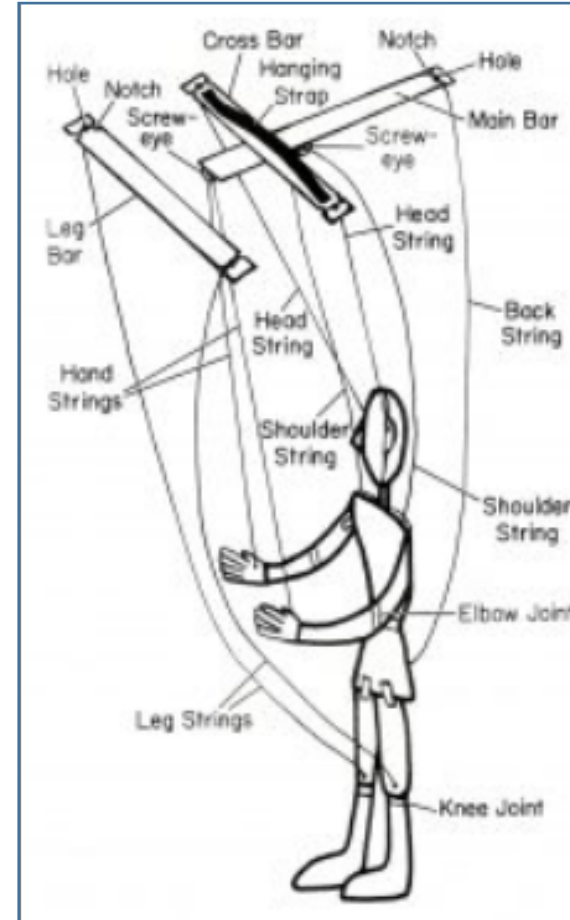
ANECO ACADEMY

# JS-DOM



# DOM continue..

- **HTML page as a puppet**, then the **DOM will be the strings** and the points at which they attach to the puppet



# What we can do using DOM?

Using DOM, JavaScript gets all the power it needs to create/update HTML:

- JavaScript can **change all the HTML elements** in the page
- JavaScript can **change all the HTML attributes** in the page
- JavaScript can **change all the CSS styles** in the page
- JavaScript can **remove existing HTML elements and attributes**
- JavaScript can **add new HTML elements and attributes**
- JavaScript can **react to all existing HTML events** in the page

# DOM Methods

- HTML **DOM methods** are **actions** you can perform (on HTML Elements)
- HTML **DOM properties** are **values** (of HTML Elements) that you can set or change

```
<html>
<body>

<p id="demo"></p>
<script>
document.getElementById("demo").innerHTML = "Hello World!";
</script>

</body>
</html>
```

innerHTML is  
a property

getElementById is  
a method

# DOM Methods

- **getElementById** - To change/modify the content of an HTML element

```
<script>  
document.getElementById("p1").innerHTML = "New text!";  
</script>
```



Changing HTML  
Content

```
<script>  
document.getElementById("myImage").src = "landscape.jpg";  
</script>
```



Changing the Value of  
an Attribute

```
<script>  
document.getElementById("myP").style.backgroundColor = "red";  
</script>
```



Changing Style property

# Style and class

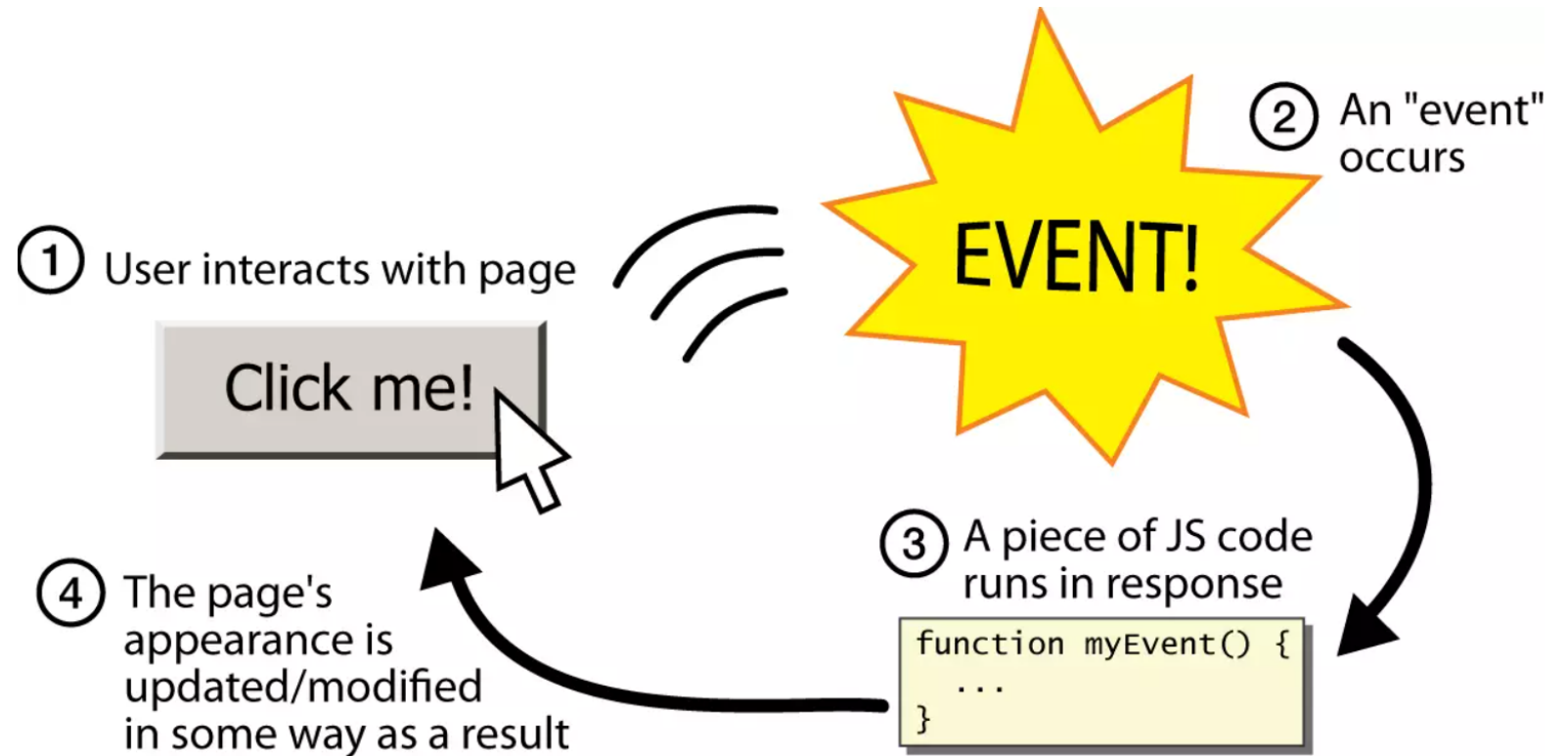
```
<html>
  <head>
    <style>
      .header{
        background-color: indigo;
        font-size: 28px;
        text-align: center;
      }
    </style>
  </head>
  <body>
    <h1 id="demo">Welcome to javascript</h1>
    <script>
      document.getElementById('demo').style.color = "red";
      document.getElementById('demo').setAttribute('class', 'header');
      document.getElementById('demo').setAttribute('name', 'header-details');
    </script>
  </body>
</html>
```

# Events in JavaScript

An HTML event can be something the browser does, or something a user does

Here are some examples of HTML events:

- An HTML web page has finished loading
- An HTML input field was changed
- An HTML button was clicked





# Events in JavaScript

## Common HTML Events:

- **OnClick** - The user clicks an HTML element
- **OnChange** - An HTML element has been changed

# Events in JavaScript

## Common HTML Events:

- **OnClick** - The user clicks an HTML element

```
<div>
  <p class="name">Learning JS events</p>
  <button id="btn" onclick="changeColor()">Change to Blue</button>
</div>
```

```
function changeColor() {
  document.getElementById("btn").style.color = "blue";
}
```

- **Onchange** - An HTML element has been changed

```
<select id="cities" name="city" onchange="selectCity()">
  <option value="chn">Chennai</option>
  <option value="blr">Bengaluru</option>
  <option value="hyd" selected>Hyderabad</option>
</select>
<p id="slcCty"></p>
```

```
function selectCity() {
  var cty = document.getElementById("cities").value;
  document.getElementById("slcCty").innerHTML
  ="Selected City: " + cty;
}
```