



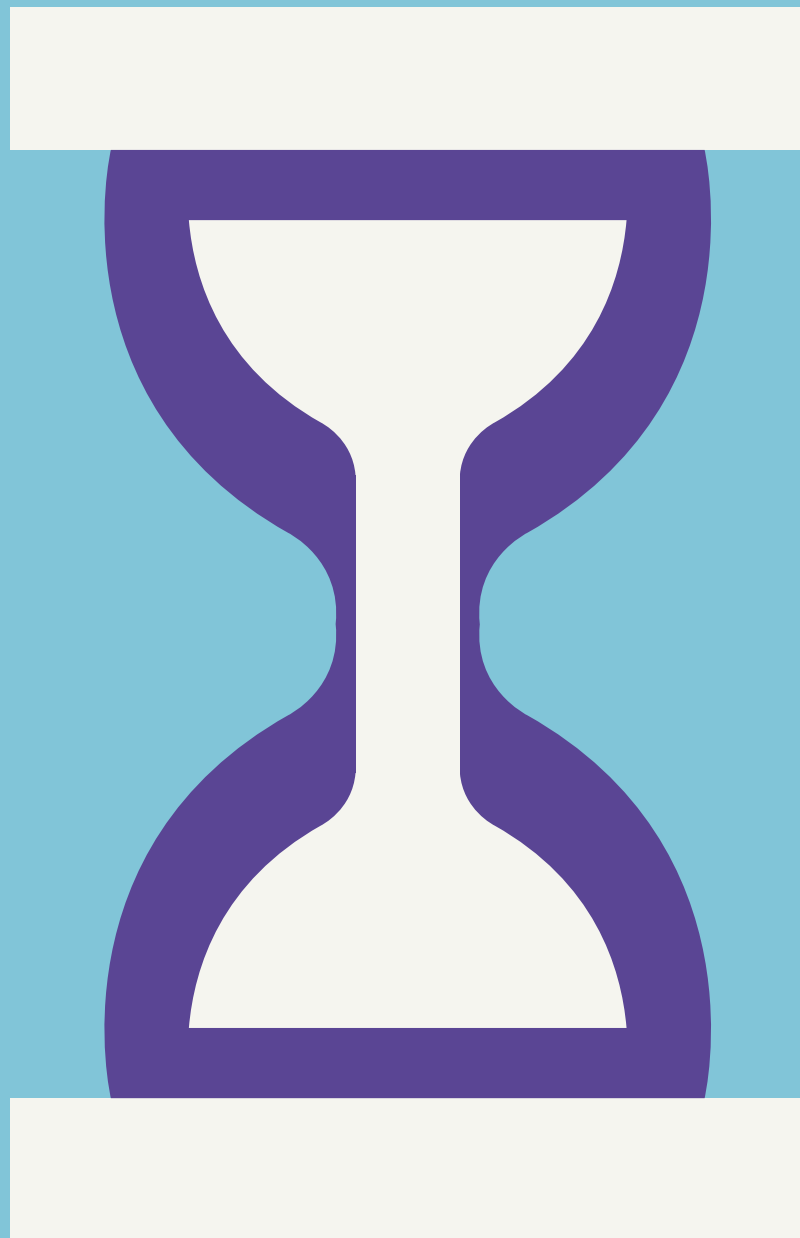
WELCOME TO 10 DAYS WEB DEVELOPMENT WORKSHOP

#DAY2

 <https://tiny.cc/itsnpdiscord>

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TABLE



TABLE

- TABLE IS A COMBINATION OF ROWS AND COLUMNS
- HTML TABLES ARE USED TO SORT DATA IN TABULAR FORM.



TABLE ELEMENTS

- <table>** : creates a table
- <tr>** : creates a table row
- <th>** : creates a table header cell
- <td>** : creates a table data cell
- <caption>** : used to write table caption
- <thead>** : creates table heading
- <tbody>** : creates table body
- <tfoot>** : creates table footer



TABLE ATTRIBUTES

border: creates a table border

rowspan: spans more than a row

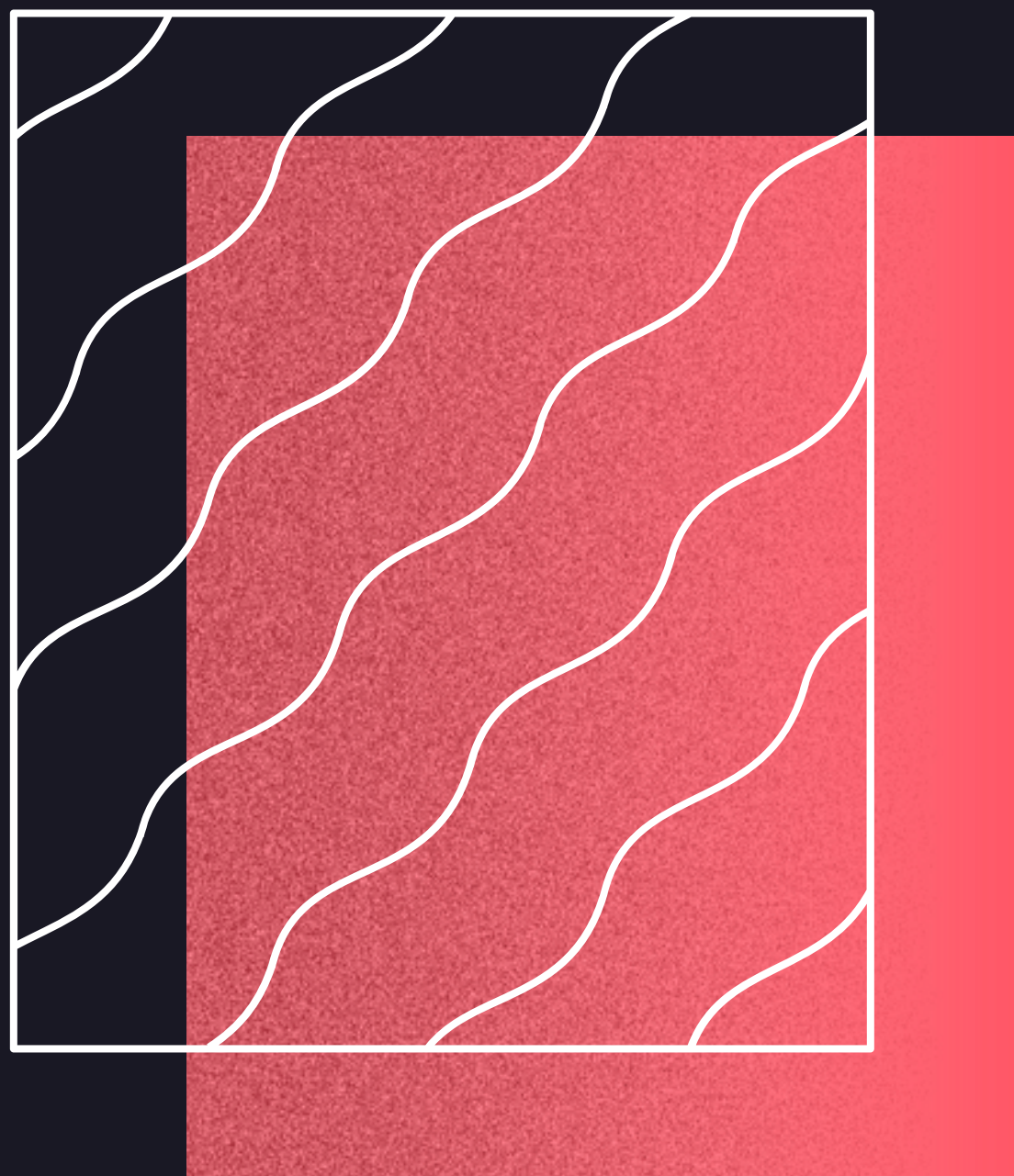
colspan: spans more than a column

cellpadding: space between cell border and
cell content

cellspacing: space between two cells

width: sets the width of a table

height: sets the height of a table



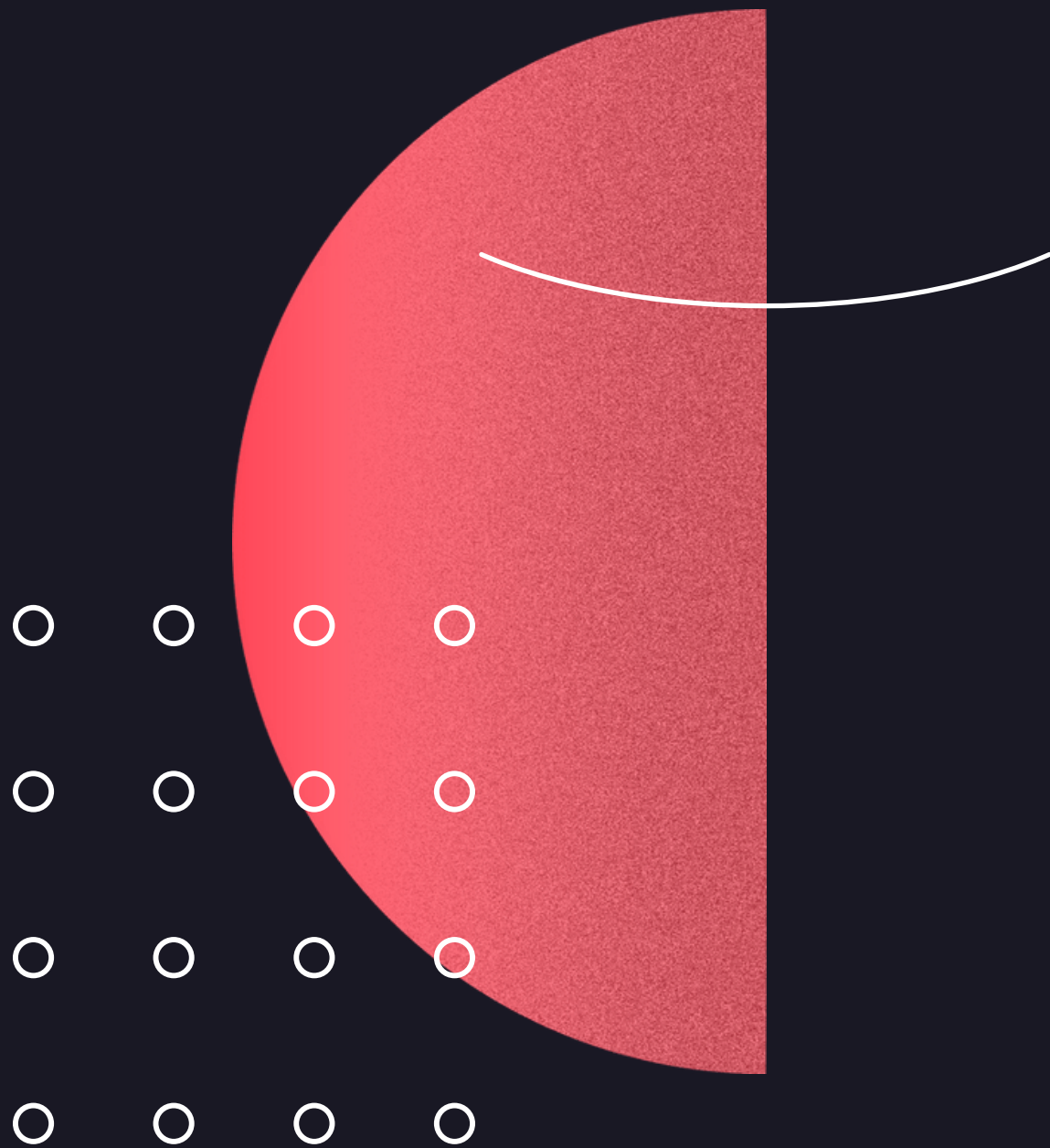
BLOCK LEVEL AND INLINE ELEMENTS

BLOCK LEVEL ELEMENTS

BLOCK LEVEL ELEMENTS START FROM NEW LINE AND TAKE THE FULL WIDTH OF IT'S PARENT

SOME BLOCK LEVEL ELEMENTS

<h1> to <h6>, <p>, , etc.

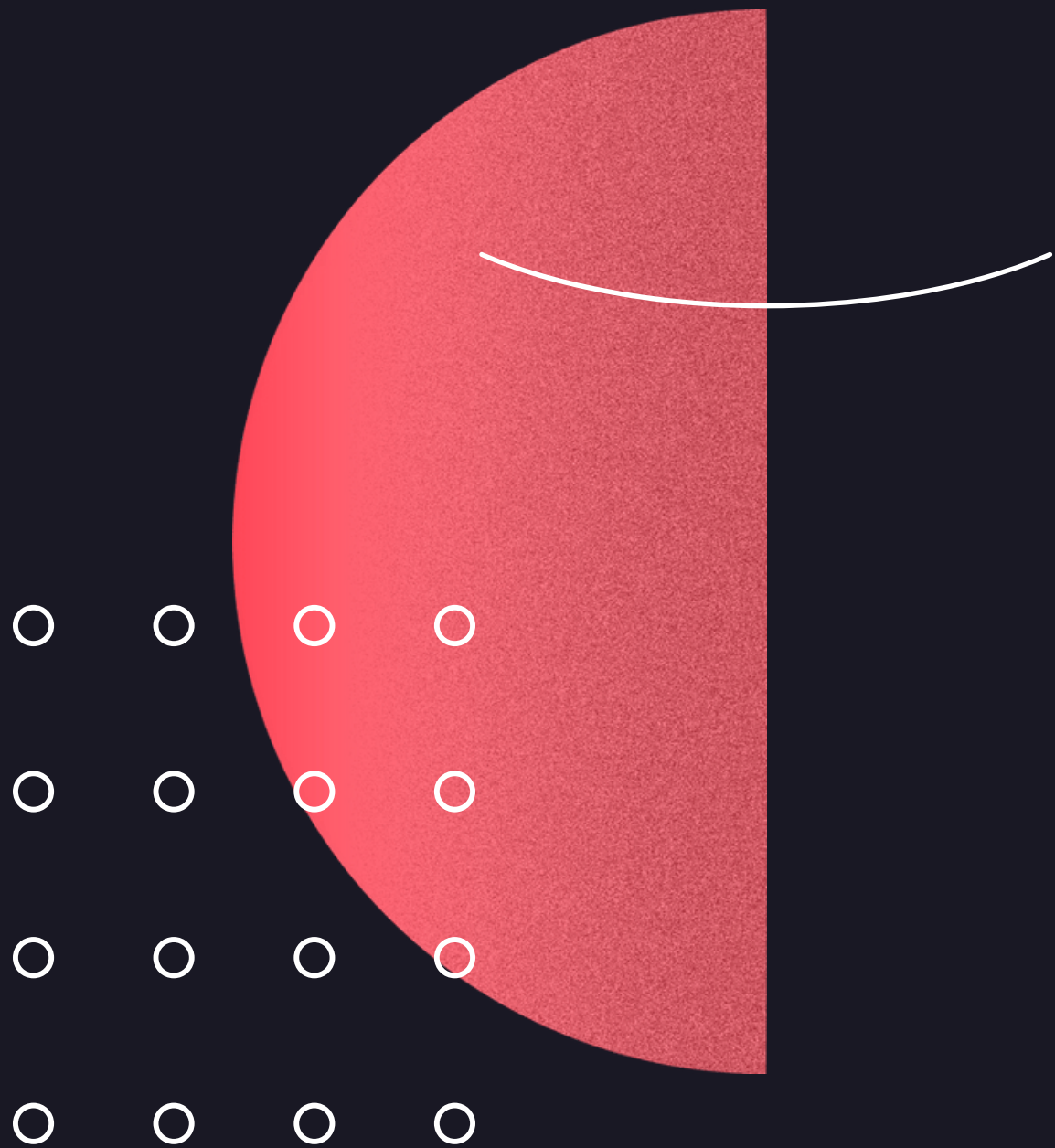


INLINE ELEMENTS

AN INLINE ELEMENT DOES NOT START ON A NEW LINE AND ONLY TAKES UP AS MUCH WIDTH AS NECESSARY.

SOME INLINE ELEMENTS

`<a>`, ``, ``, `<input>`, etc.



Demonstration

container

Block level element

Block level element

Inline element

Inline element

Iframes

iframe represents a nested browsing context. It is used to display a webpage inside a webpage

Syntax

```
<iframe> </iframe>
```



Attributes

src

defines the url of the page

title

sets the title of the iframe. (always include title for screen readers)

width

sets the width of an iframe

height

sets the height of an iframe



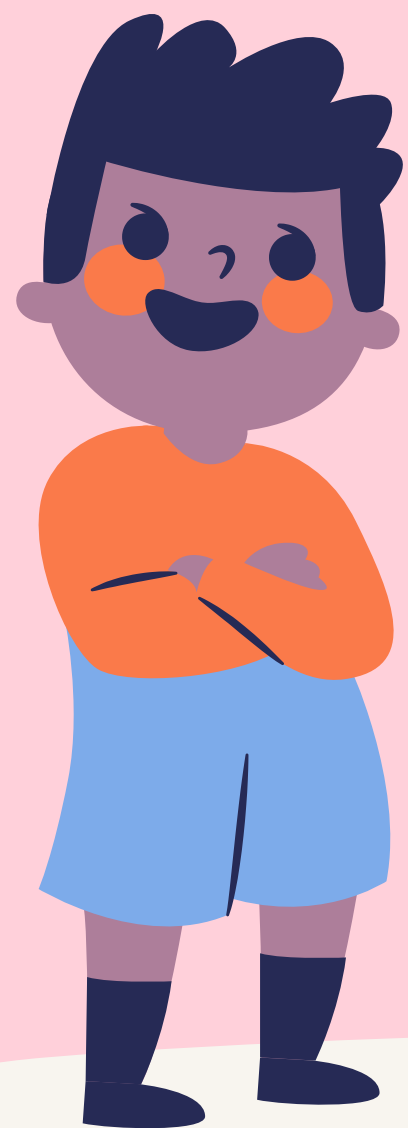
USAGE

```
<iframe src="url" title="iframe" width="300" height="300">  
</iframe>
```



embed

embeds external content in the browser





syntax

```
<embed src="url" height="size" width="size" type="type/extn">
```

Attributes

src: url of the resource to embed

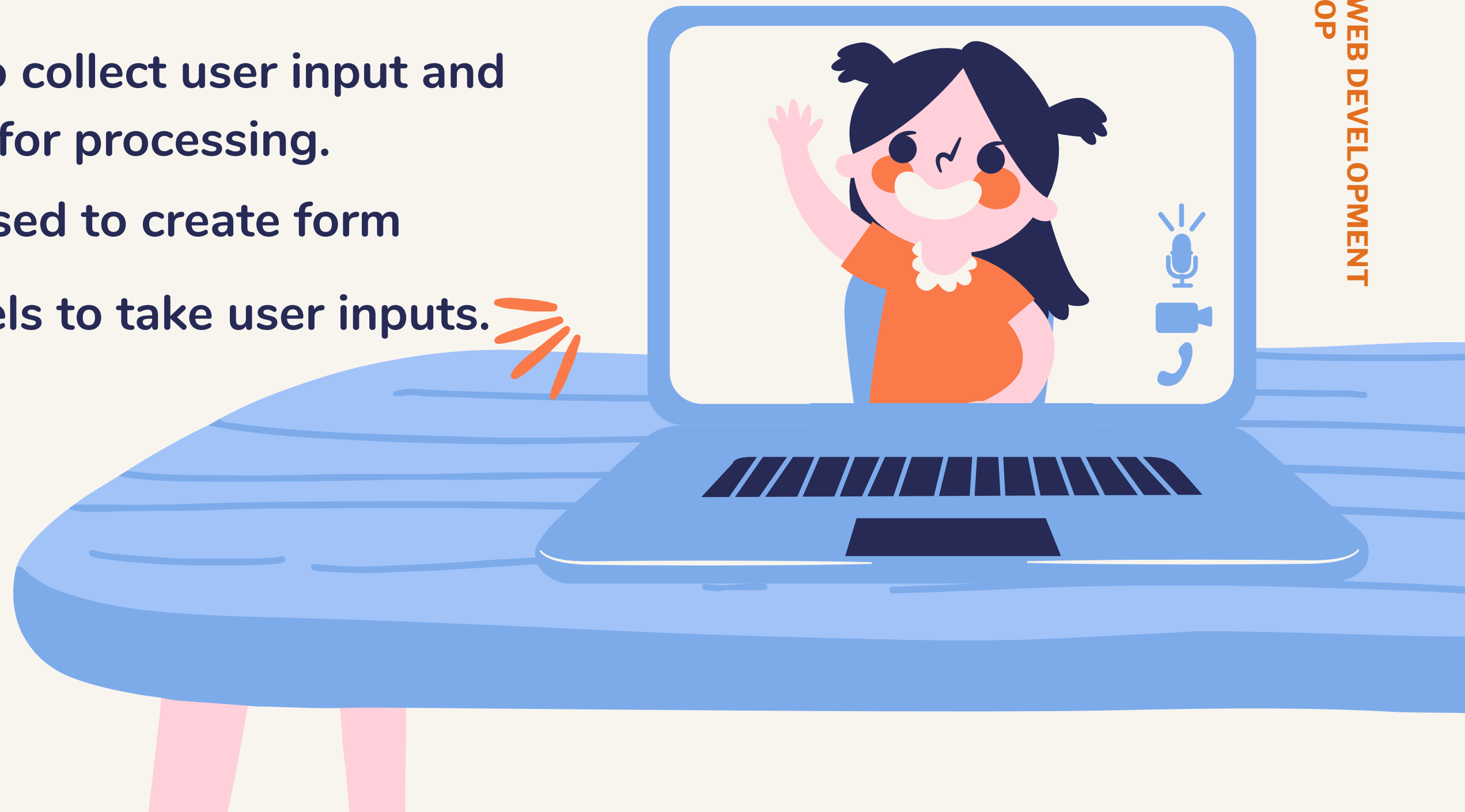
width: sets the width of embedded resource.

height: sets the height of embedded resource.

type: The MIME type to use to select the plug-in to instantiate.

Forms

- HTML forms are used to collect user input and send data to the server for processing.
- `<form></form>` tag is used to create form
- form contains input levels to take user inputs.





SYNTAX

`<form></form>`

NOTE

- form must have input levels to take user input.
- form must have a submit button to submit form to the server.

FORM ATTRIBUTES

some form attributes to work with forms

method

specifies the HTTP method to be used while submitting the form

(GET and POST)

action

specifies a url to which the form data is sent when submitted





DAY 2

target

specifies where the form response will be displayed after submission.

(**_blank**, **_top**, **_self**, **_parent**)





DEMONSTRATION

Here is the demonstration of the form and its attributes we have learned so far

```
<form method="POST/GET" action="submit.html" target="_blank">  
  <!-- form content here -->  
</form>
```

FORM ELEMENTS

A form contains the following elements

<label>

label element binds the input element and the label text. (for attribute is used to identify the input element)

SYNTAX

```
<label for="input_id">
```

```
  <!--input element here -->
```

```
</label>
```

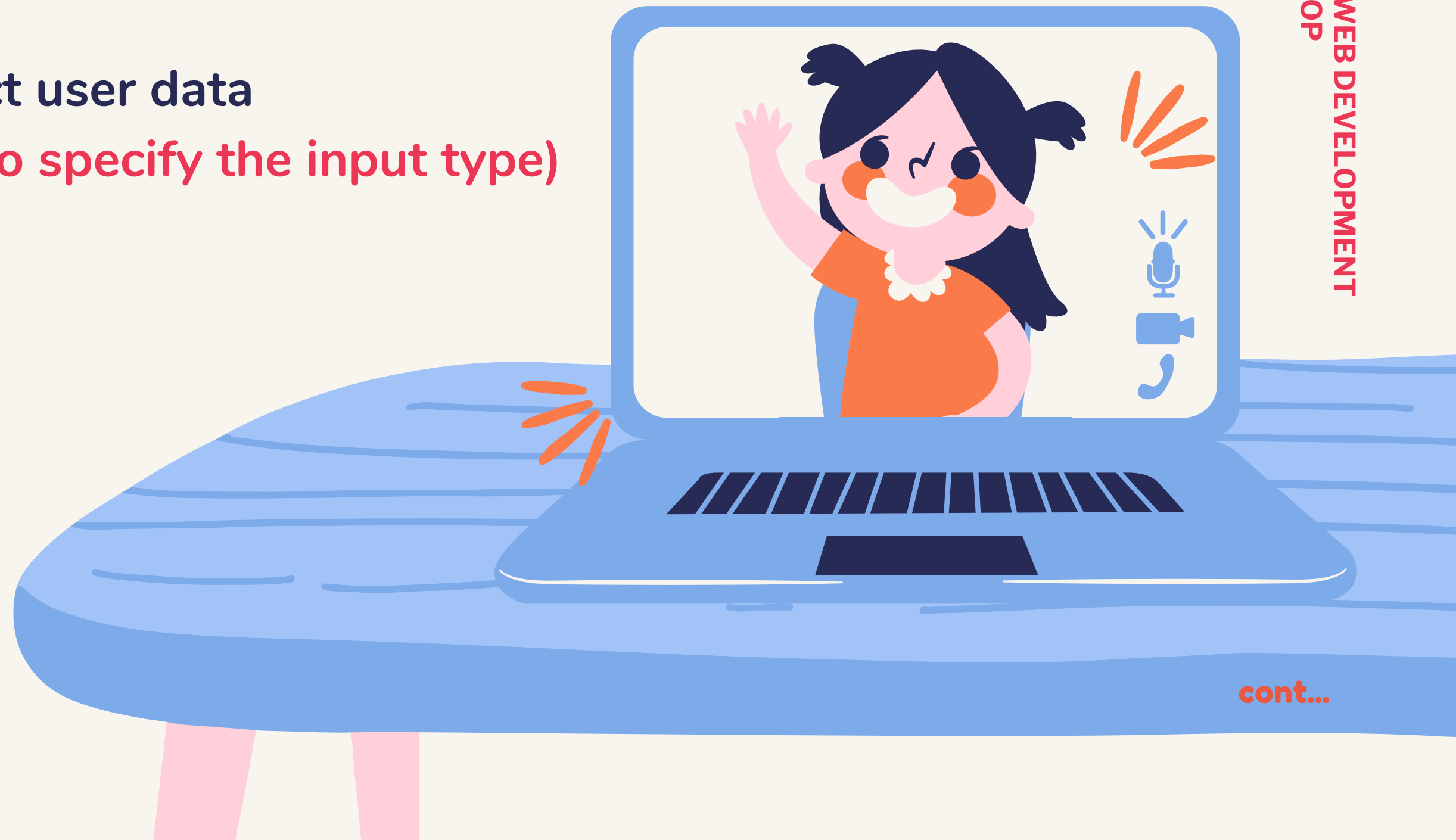


<input>

input element is used to collect user data
(type attribute must be used to specify the input type)

SYNTAX

```
<input type="input_type">
```



cont...

INPUT TYPES

some major input types in HTML form

text: defines a text input field

number: defines a number input field

email: defines an email input field

password: defines a password input field

button: defines a button input

checkbox: defines a checkbox input

radio: defines a radio input

date: defines a date input

color: defines a color input

file: defines a file input field

range: defines a range input

reset: creates a reset button

search: defines a search input field

submit: creates a submit button

time: defines a time input



INPUT ATTRIBUTES

Some input attributes used in HTML inputs

1. value

defines the initial input of an input field

syntax

```
<input type="text" value="webdev">
```

result

the text input field's initial value is "webdev"



cont...



2. size

defines the width of an input field in characters.

syntax

```
<input type="text" size="50">
```

result

the text input field width is equal to 50 characters

NOTE: size attribute works only on input types of text, search, tel, url, email, and password,



cont...

3. readonly

specifies that an input field is read only. we can't write on it.

syntax

```
<input type="text" readonly>
```

result

The text field's content can't be changed



cont...

4. disabled

represents a disabled input field. We can't use disabled inputs

syntax

```
<input type="text" disabled>
```

result

The text field is disabled so that it can't be used



cont...

5. min

specifies the minimum value for an input field

syntax

```
<input type="number" min="10">
```

result

the input field will take 10 for the minimum value.

NOTE: min attribute only works on number, range, date, datetime-local, month, time and week inputs



cont...

6. max

specifies the maximum value for an input field

syntax

```
<input type="number" max="100">
```

result

the input field will take 100 for the maximum value.

NOTE: max attribute only works on **number**, **range**, **date**, **datetime-local**, **month**, **time** and **week** inputs



cont...

7. placeholder

displays a text before entering any value

syntax

```
<input type="text" placeholder="enter name">
```

result

Displays the text "enter name" before entering any value

NOTE: placeholder attribute only works on input type text, search, url, tel, email, and password



cont...

8. required

makes an input field necessary to be filled

syntax

```
<input type="text" required>
```

result

creates a text field which must be filled before submission

NOTE: placeholder attribute only works on input type text, search, url, tel, email, password, date pickers, number, checkbox, radio, and file



cont...

9. multiple

makes an input field able to choose multiple files.

syntax

```
<input type="file" multiple>
```

result

creates a file input field which allows to choose multiple items

NOTE: multiple attribute only works on input type **file**, **email**



cont...

10. autocomplete

enable or disable autocomplete in an input field.

syntax

```
<input type="email" autocomplete="off">
```

result

creates an email input field which doesn't show any input suggestions.

NOTE: autocomplete attribute only works on input type text, email, password, search, url, tel, datepickers, range, and color



cont...



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11. autofocus

input field gets focus on browser load

syntax

```
<input type="email" autofocus>
```

result

creates a email input field that gets autofocus every time the browser window gets loaded.



cont...

<select> Element

select element creates a dropdown list of items.
User choose option from that list.

Syntax

```
<select>  
  <!-- options here -->  
</select>
```





<option> Element

option element is used to create options for select element which are selectable

syntax

```
<select>  
  <option>ITSNP</option>  
  <option>GreenLeaf InfoTech</option>  
</select>
```



ATTRIBUTES

selected

selected attribute selects an option while browser gets loaded.

syntax

```
<option value="ITSNP" selected>ITSNP</option>
```



ATTRIBUTES

multiple

multiple attribute helps selecting multiple options.
(hold ctrl or command key and click options to select)

syntax

```
<select multiple>  
  <option value="ITSNP">ITSNP</option>  
  <option value="ITSNP">ITSNP</option>  
</select>
```



<textarea>

textarea elements creates a multiline text input field. which is mostly used when users are free to write large amount of words. for e.g. comments, review, feedback.

syntax

```
<textarea></textarea>
```



Attributes

1. rows

specifies the visible text line

2. cols

specifies the visible width .

syntax

```
<textarea rows="10" cols="10">
```

```
</textarea>
```





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<button>

button tag is used to create clickable buttons.

syntax

```
<button type="button">Button</button>
```



<fieldset> & <legend>

fieldset is used to group form controls in a form container.

legend defines the caption of the current fieldset.

syntax

```
<form>
  <fieldset>
    <legend>User Login</legend>
    <label for="name">Name: </label>
    <input type="text" id="name" name="uname">
  </fieldset>
</form>
```



multimedia

We can insert multimedia in our webpage. Here we'll learn to insert video and audio





<video>

video tag is used to insert video on our webpage

Syntax

<video>

</video>

video elements

<source>

source elements specifies multiple media resources

syntax

```
<video>  
  <source src="video.mp4" type="video/mp4">  
  <source src="video.webm" type="video/webm">  
</video>
```

NOTE

src attribute defines the source of video file.
type attribute specifies the type of video file





src

src attribute is used inside `<video>` and `<source>` to specify the source of the video file.

syntax

```
<video src="video/itsnp.mp4">  
</video>
```



loop

loop attribute loops the video again and again until and unless you stop the video

syntax

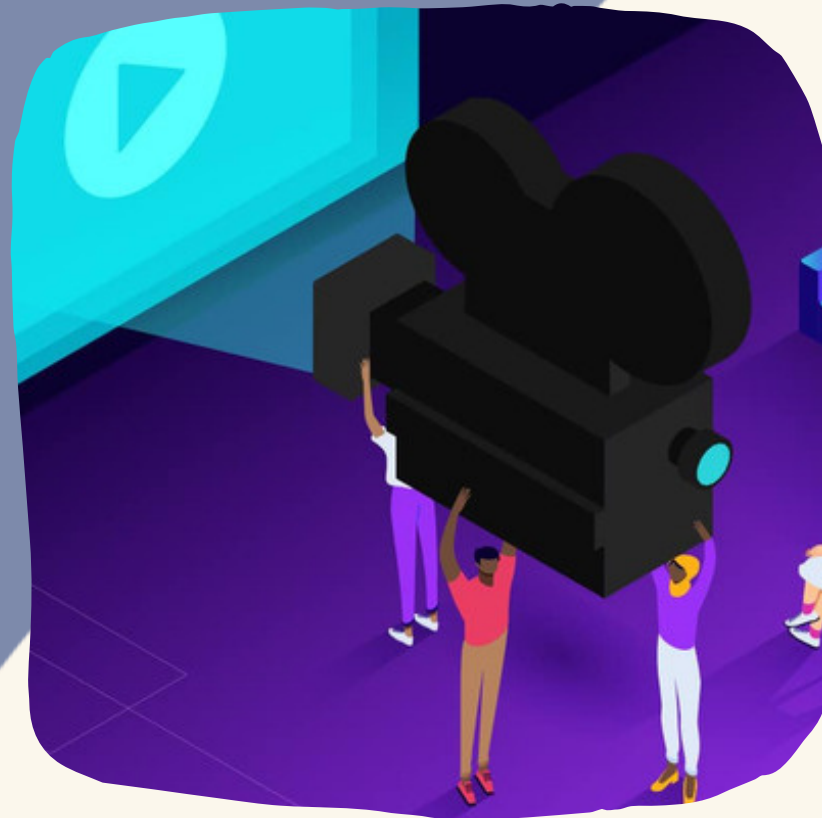
```
<video src="video/itsnp.mp4" loop>  
</video>
```

autoplay

autoplay attribute is used to automatically play the video without user interaction

syntax

```
<video src="itsnp.mp4" autoplay>  
</video>
```

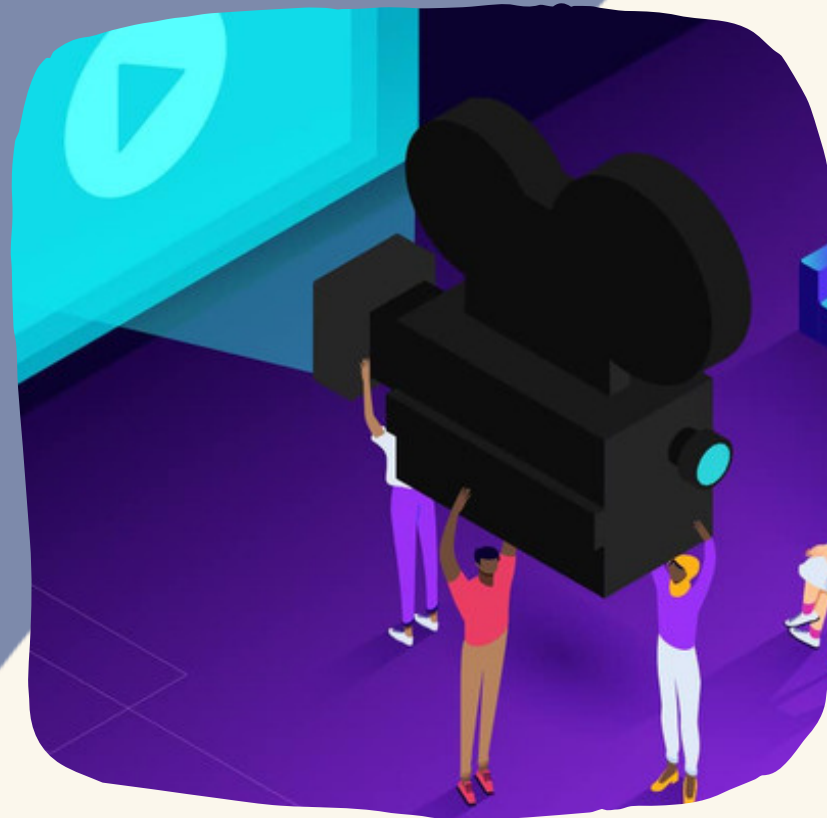


controls

controls attribute adds video controls such as play/pause, fullscreen toggle, sound etc.

syntax

```
<video src="itsnp.mp4" controls>  
</video>
```



poster

poster attribute is used to create a image poster until user clicks the play button

syntax

```
<video src="video/itsnp.mp4" poster="image.jpg">  
</video>
```



muted

muted attribute is used to mute the video while played until user unmute the video

syntax

```
<video src="video/itsnp.mp4" muted>  
</video>
```



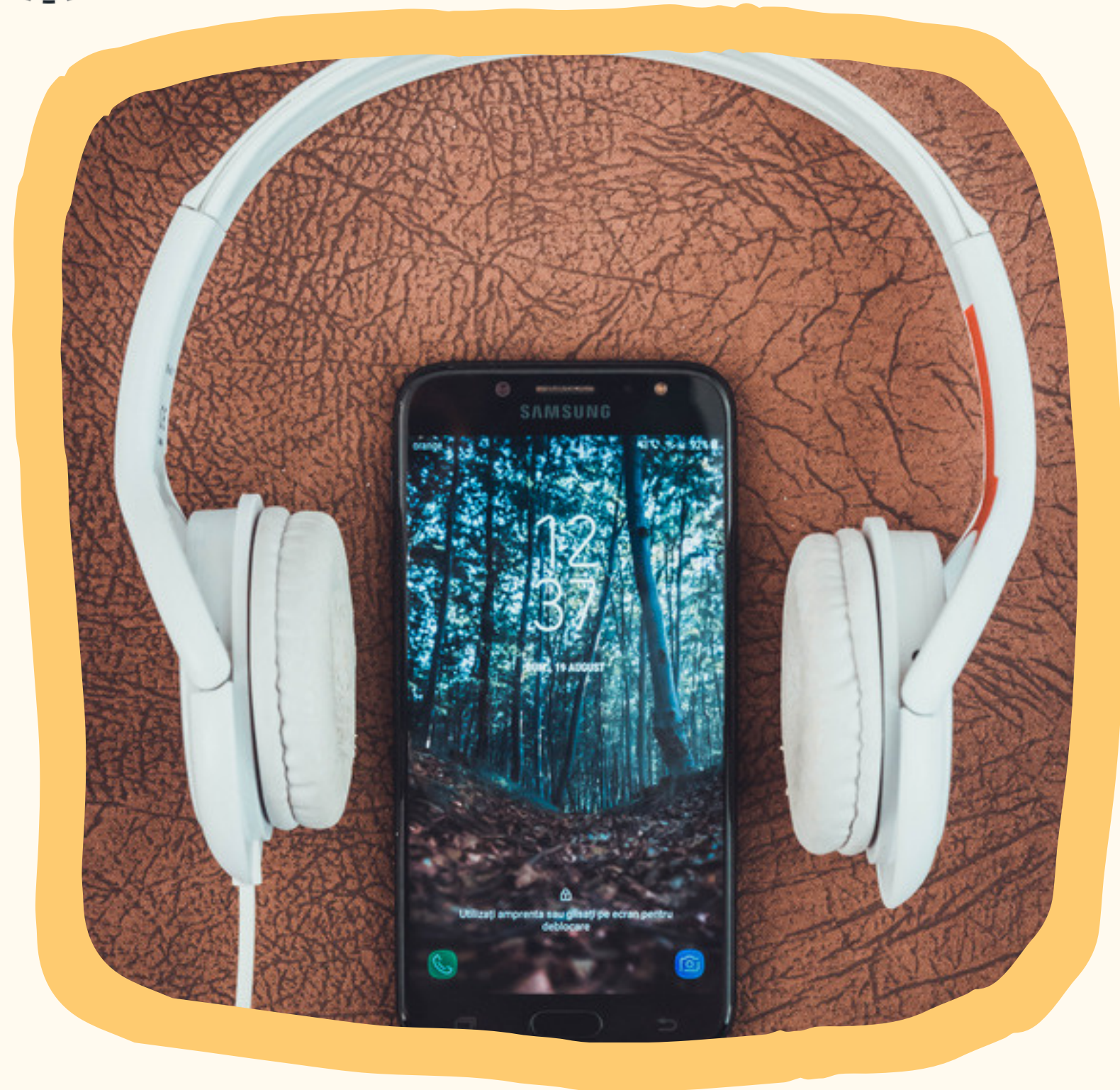


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<audio>





<audio>

video tag is used to insert video on our webpage

Syntax

<audio>

</audio>

audio elements

<source>

source elements specifies multiple media resources

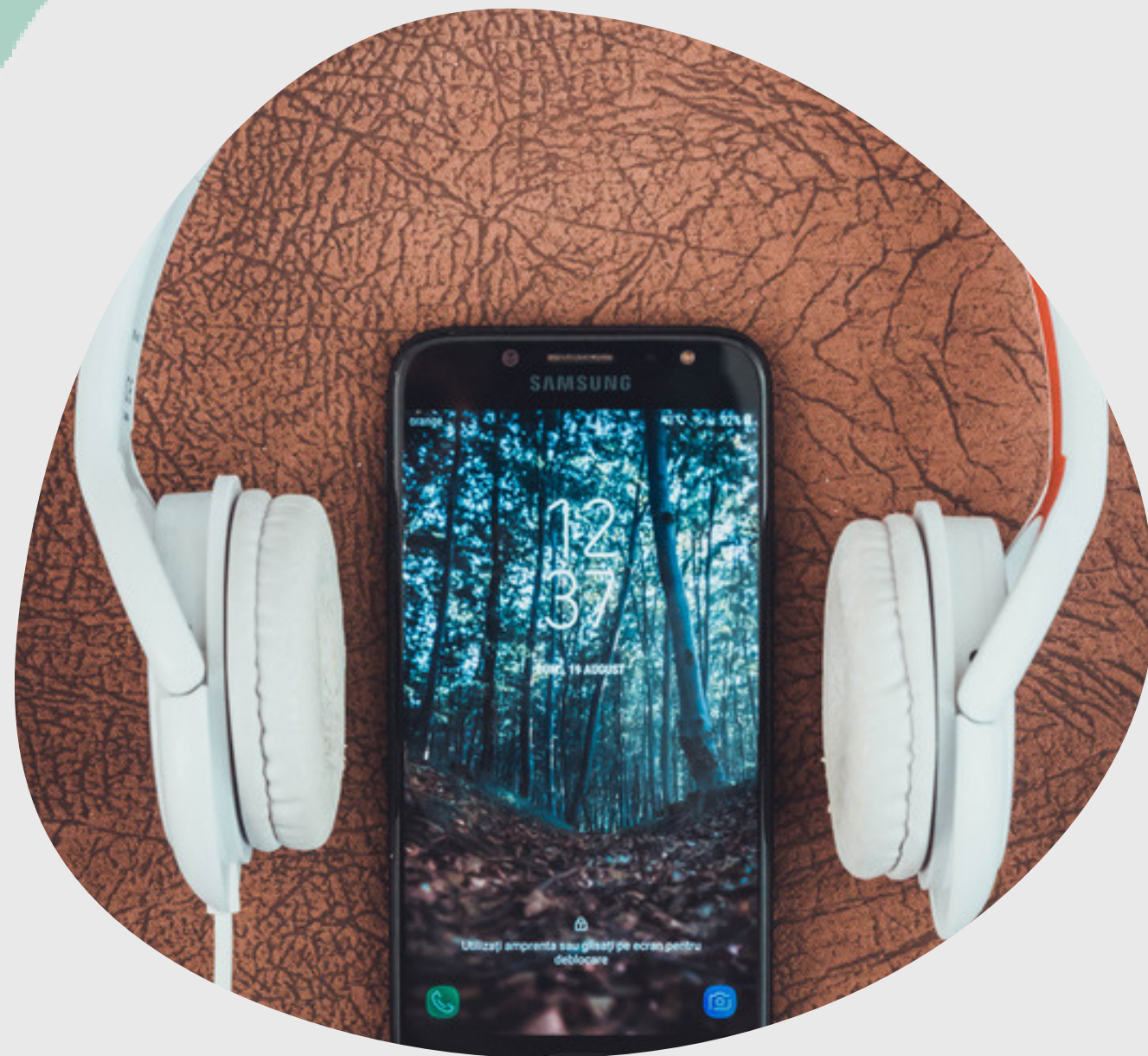
syntax

```
<audio>  
  <source src="audio.mp3" type="audio/mpeg">  
  <source src="audio.ogg" type="audio/ogg">  
</audio>
```

NOTE

src attribute defines the source of audio file.
type attribute specifies the type of audio file





src

src attribute is used inside `<audio>` and `<source>` to specify the source of the audio file.

syntax

```
<audio src="audio/itsnp.mp3">  
</audio>
```



loop

loop attribute loops the audio again and again until and unless you stop the it

syntax

```
<audio src="audio/itsnp.mp3" loop>  
</audio>
```


autoplay

autoplay attribute is used to automatically play the audio when browser loads

syntax

```
<audio src="itsnp.mp4" autoplay>  
</audio>
```

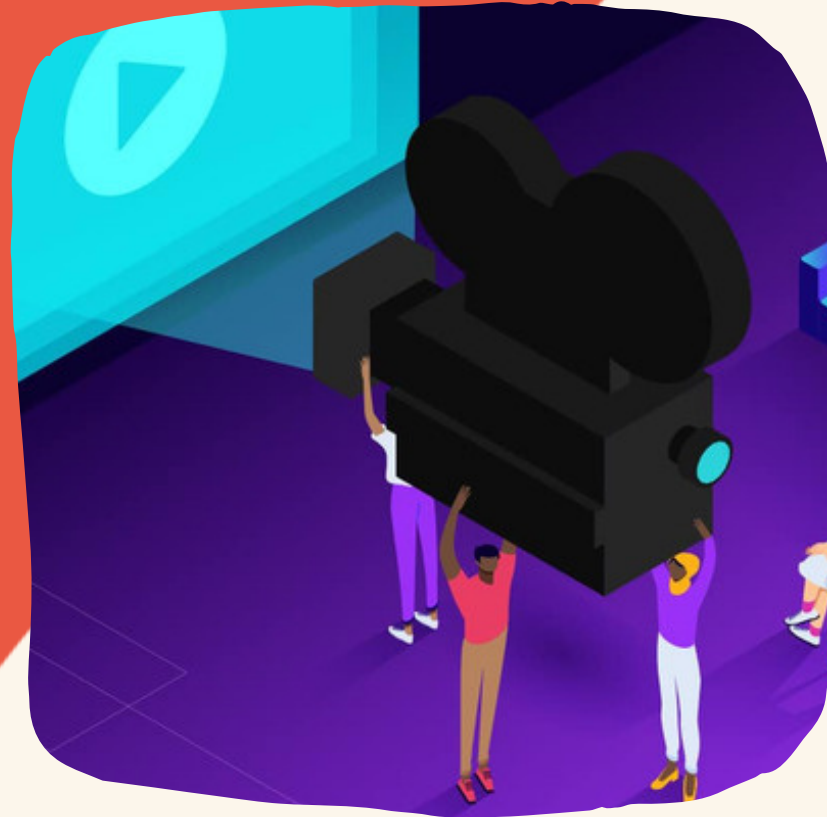


controls

controls attribute adds audio controls such as play/pause, volume etc.

syntax

```
<audio src="itsnp.mp3" controls>  
</audio>
```





Project 1

A simple form with some main input elements and a table

THANK YOU!

DAY 2 WAS AWESOME HAVING YOU!
HOPE WE GAVE THE BEST

DAY 2 OVER

