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HTML Forms and Tables

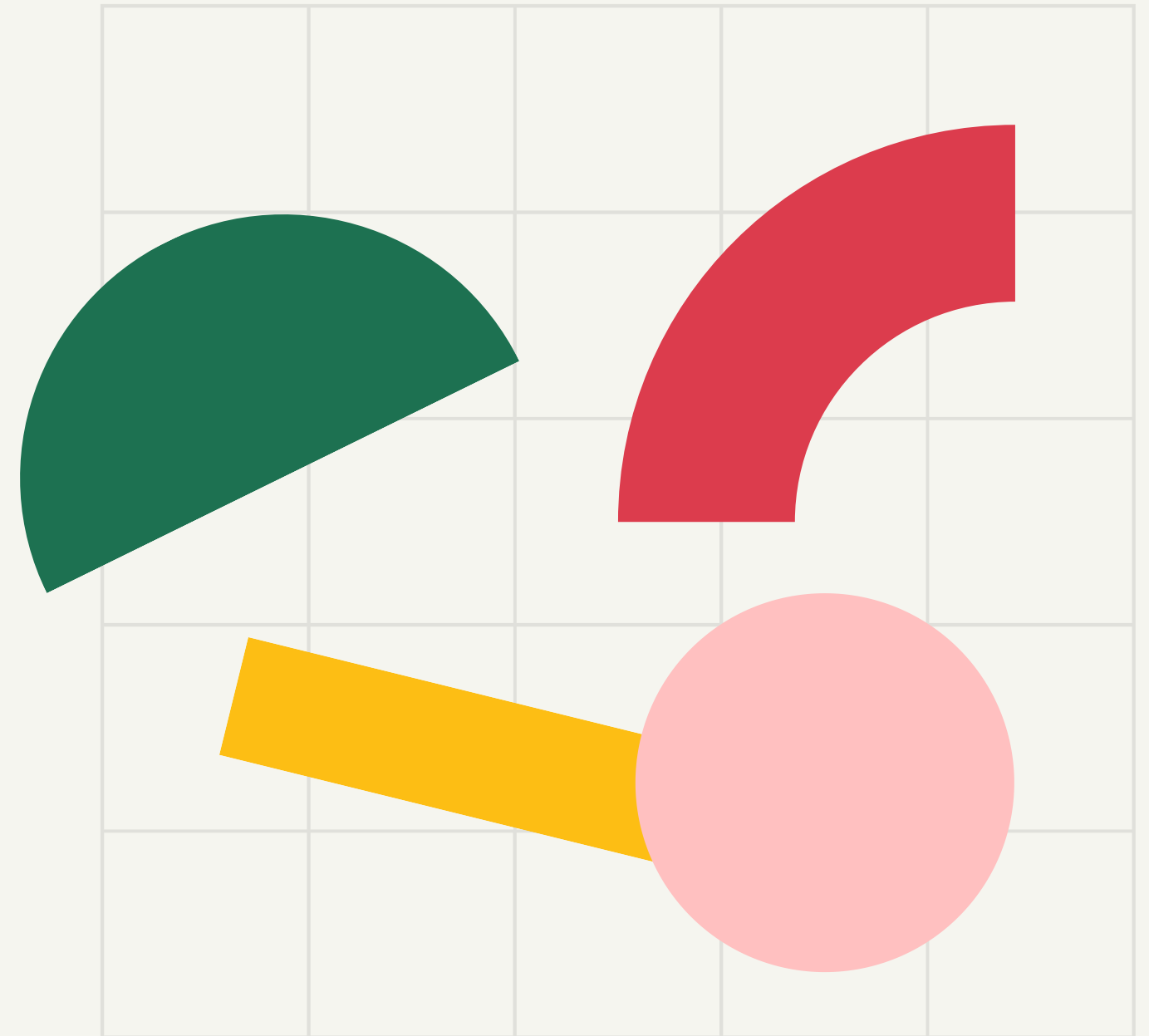
Course for Beginners



Unit Goals

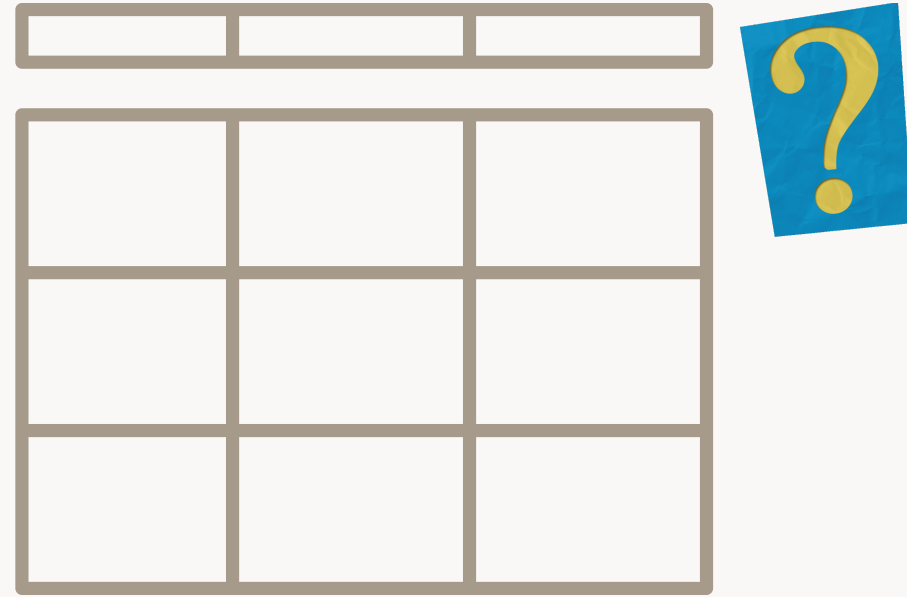
what we'll cover

- creating well-formatted HTML tables
- understand when and when not to use tables
- explain the role of the form element
- utilize a variety of form controls
- define complex HTML forms
- add HTML5 form validations
- ensure accessibility of our forms





HTML TABLES



WHAT ARE TABLES?

Tables are structured sets of data, made up of rows and columns. They can be a great way of displaying data clearly.

HTML TABLES

EARLY USAGE

In the early days of the web, tables were commonly used to create page layouts. Today, you should only use the table element when you are creating an actual data table.

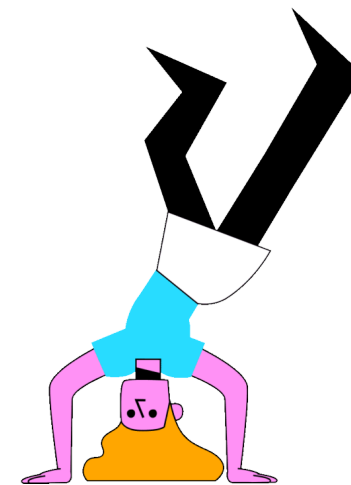
HTML5?

HTML5 is the latest evolution of the standard that defines HTML. It includes new elements & features for browsers to implement.



HTML TABLE ELEMENTS

```
<table>  
<td>  
<tr>  
<th>  
<thead>  
<tbody>  
<tfoot>  
<colgroup>  
<caption>
```

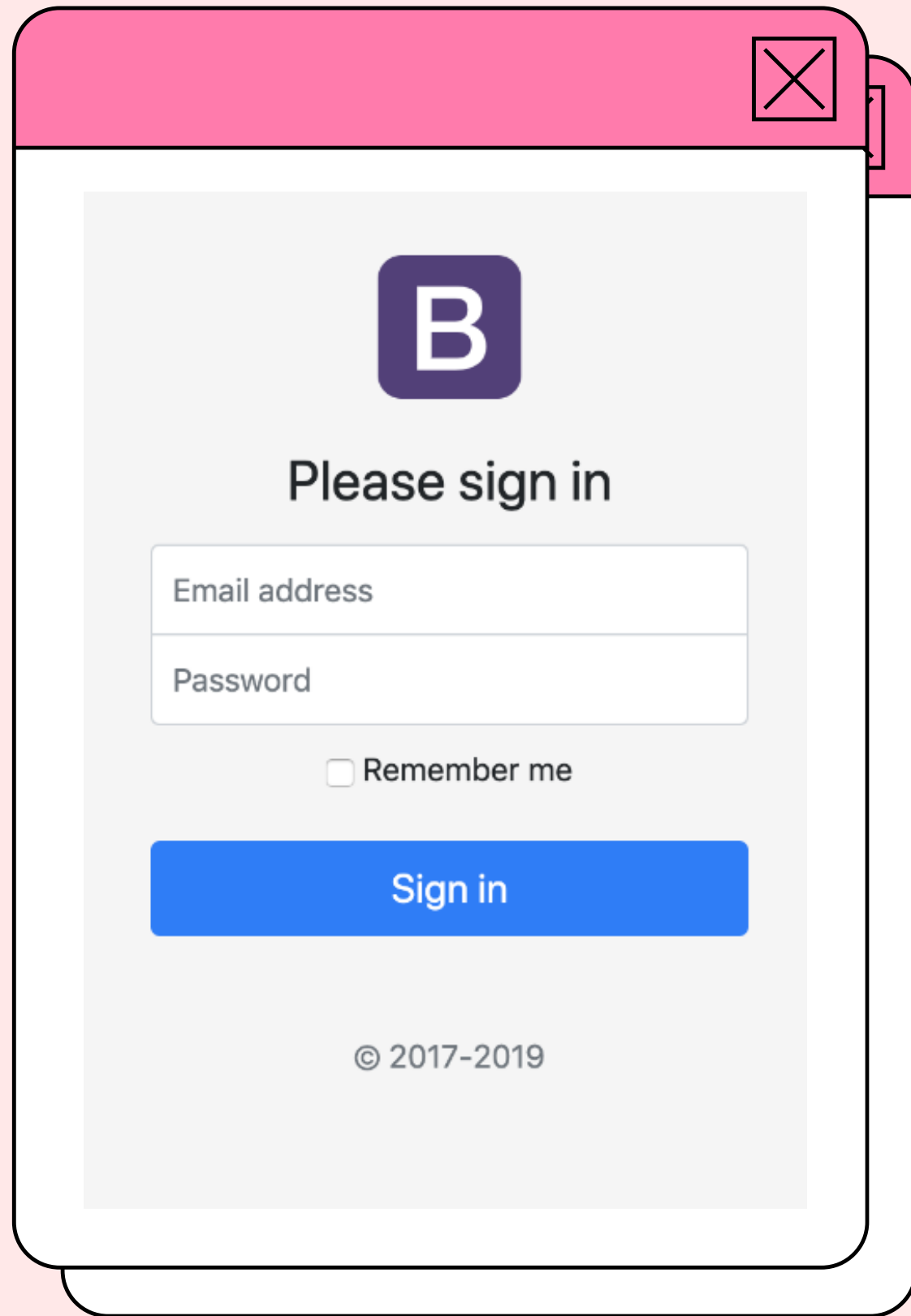




HTML FORMS



CREATINIG FORMS



The illustration shows a web browser window with a pink header bar containing a close button (X). The main content area is light gray and contains a sign-in form. At the top of the form is a purple square logo with a white letter 'B'. Below the logo is the text 'Please sign in'. The form includes two input fields: 'Email address' and 'Password'. Below these fields is a checkbox labeled 'Remember me'. A blue button with the text 'Sign in' is positioned below the checkbox. At the bottom of the form is the copyright notice '© 2017-2019'.

- The `<form>` element itself is a shell or container that does not have any visual impact
- We fill the form with a collection of inputs, checkboxes, buttons etc.

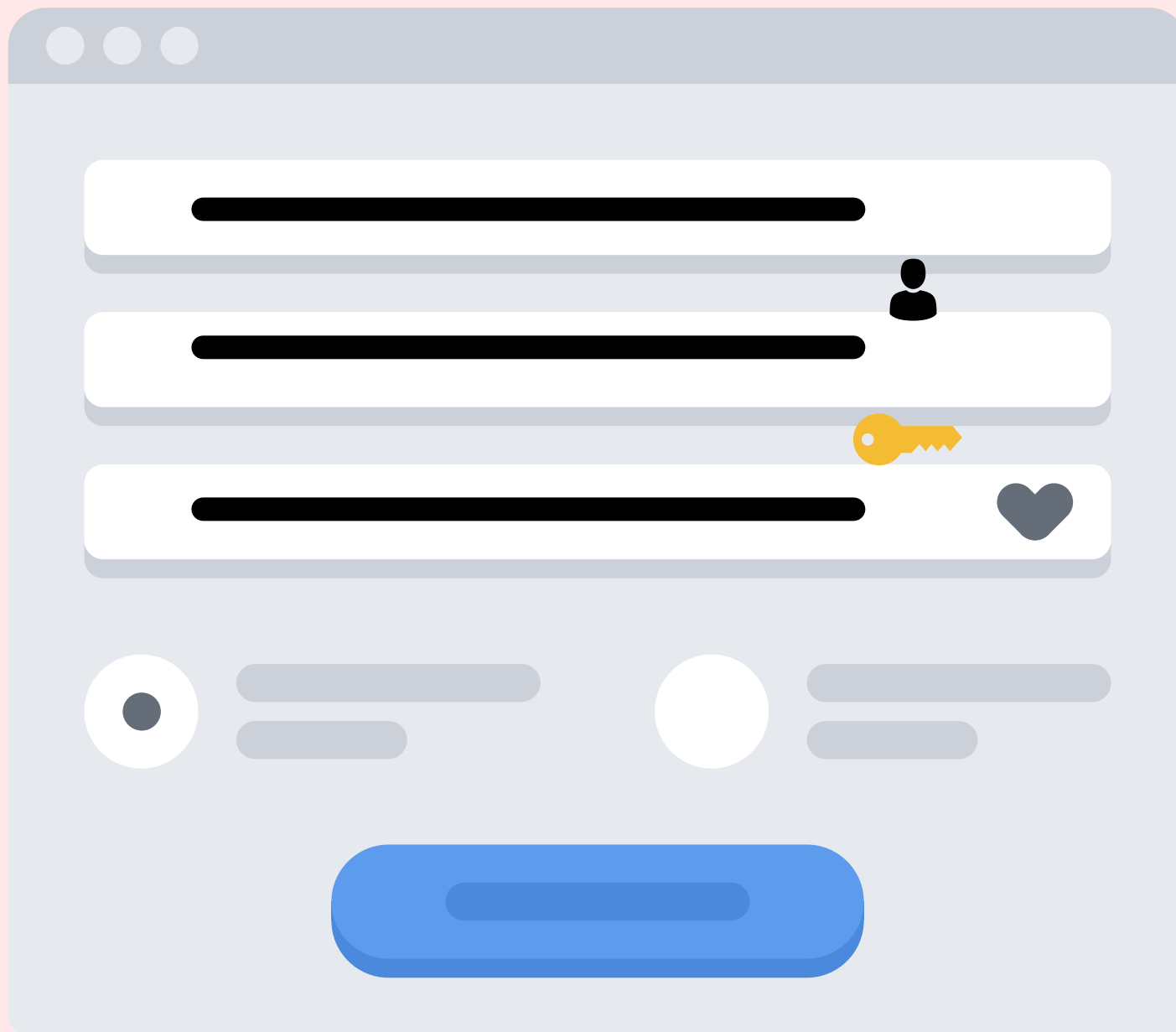


<form>



- The form element "represents a document section containing interactive controls for submitting information".
- The *action* attribute specifies WHERE the form data should be sent.
- The method attribute specifies which HTTP method should be used

<input>



- The input element is used to create a variety of different form controls.
- We have 20+ possible types of inputs, ranging from date pickers to checkboxes.
- The *type* attribute is where the magic happens. Changing *type* dramatically alters the input's behavior and appearance.