

HTML Exercises for Table



Practices Exercises to implement

Exercise #1

Show searched flights

Exercise #2

View bookings

Exercise #1

Show Searched Flights

Landing Page

- Refer the image at the right hand side, when we complete the landing page of Strat Hawk website this is how it will look like
- User provides travel plan details and clicks "Search"
- Clicking "Search" displays the recommended flights in a table
- The recommended flight section will not be displayed initially and will get displayed after clicking 'Search'.
- Each recommended flight will have a button to book for that flight

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Plan



Search Flights

<input type="text" value="From"/>	<input type="text" value="To"/>	<input type="text" value="Travel Date"/>	<input type="text" value="Economy"/>	<input type="button" value="Search"/>
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Recommended Flights

Flight	Departure	Duration	Arrival	Cost	Book
SH288	Berlin (BER) 21:00 Wed 28 Oct 2020	49 hrs 5 mins	Sydney (SYD) 08:05 Sat 31 Oct 2020	\$3447	<input type="button" value="Book"/>
SH245	Sydney (SYD) 22:25 Tue 10 Nov 2020	23 hrs 55 mins	Berlin (BER) 12:20 Wed 11 Nov 2020	\$801	<input type="button" value="Book"/>

Limitations of HTML

- Displaying Recommended Flights section when clicking 'Search' cannot be achieved using HTML, hence we will directly display the Recommended Flights section.
- As part of this exercise we will focus on the displaying content of Recommended Flights in HTML table.

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Plan



Search Flights

Recommended Flights

Flight	Departure	Duration	Arrival	Cost	Book
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Landing Page

- As part of this exercises we will implement the 'Recommended Flights' section. Refer the respective section highlighted with green outline.
- We will implement the 'Search Flights' section after learning about form elements.
- The 'Book' button will also be implemented after learning about form elements.

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Plan



Search Flights

<input type="text" value="From"/>	<input type="text" value="To"/>	<input type="text" value="Travel Date"/>	<input type="text" value="Economy"/>	<input type="button" value="Search"/>
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Recommended Flights

Flight	Departure	Duration	Arrival	Cost	Book
SH288	Berlin (BER) 21:00 Wed 28 Oct 2020	49 hrs 5 mins	Sydney (SYD) 08:05 Sat 31 Oct 2020	\$3447	<input type="button" value="Book"/>
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Expected Output

Expected output as part
of this exercise

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Plan



Recommended Flights

Flight	Departure	Duration	Arrival	Cost	Book
SH288	Berlin (BER) 21:00 Wed 28 Oct 2020	49 hrs 5 mins	Sydney (SYD) 08:05 Sat 31 Oct 2020	\$3447	
SH245	Sydney (SYD) 22:25 Tue 10 Nov 2020	23 hrs 55 mins	Berlin (BER) 12:20 Wed 11 Nov 2020	\$801	

Implementation Guidelines

Step #1: Include section heading and table

1. Open Brackets
2. Open 'index.html' in 'strat-hawk' folder
3. After the tag include <h2> tag with content as 'Recommended Flights'

```
  
<h2>Recommended Flights</h2>
```

4. After the above <h2> tag, include <table> tag with attributes defined for displaying border and spacing. (Refer code to include in red outline)

```
<table cellpadding="10" border="1" cellspacing="0">  
  
</table>
```


Implementation Guidelines

Step #2: Include table heading

1. Within the `<table>` tag include below `<th>` tags

```
<table cellpadding="10" border="1" cellspacing="0">  
  <tr>  
    <th>Flight</th>  
    <th>Departure</th>  
    <th>Duration</th>  
    <th>Arrival</th>  
    <th>Cost</th>  
    <th>Book</th>  
  </tr>
```

Implementation Guidelines

Step #3: Display flight number

1. After the table heading row include a `<tr>` tag
2. Within `<tr>` tag include `<td>` tag
3. Within `<td>` tag include text SH288

```
<table cellpadding="10" border="1" cellspacing="0">
  <tr>
    <th>Flight</th>
    <th>Departure</th>
    <th>Duration</th>
    <th>Arrival</th>
    <th>Cost</th>
    <th>Book</th>
  </tr>
  <tr>
    <td>SH288</td>
  </tr>
</table>
```

Implementation Guidelines

Step #3: Display other columns

1. Include other columns using `<td>` tags after the first `<td>` tag
2. The `
` tag is used to include a line break
3. The last `<td>` tag needs to be left blank. We will implement 'Book' button when learning about form elements.
4. Refer code and include the code that is outlined

```
<td>SH288</td>  
<td>  
    Berlin (BER)<br>  
    21:00<br>  
    Wed 28 Oct 2020  
</td>  
<td>49 hrs 5 mins</td>  
<td>  
    Sydney (SYD)<br>  
    08:05<br>  
    Sat 31 Oct 2020  
</td>  
<td>$3447</td>  
<td></td>
```

Implementation Guidelines

Step #4: Display second row

1. Refer sample output below and include the second row of the table.

Flight	Departure	Duration	Arrival	Cost	Book
SH288	Berlin (BER) 21:00 Wed 28 Oct 2020	49 hrs 5 mins	Sydney (SYD) 08:05 Sat 31 Oct 2020	\$3447	
SH245	Sydney (SYD) 22:25 Tue 10 Nov 2020	23 hrs 55 mins	Berlin (BER) 12:20 Wed 11 Nov 2020	\$801	

Why we used
?

- We used
 tag for having date and time in separate lines
- We could have used paragraph tag, but this is how it looks when we introduce paragraph tag

Flight	Departure	Duration	Arrival	Cost	Book
SH288	Berlin (BER) 21:00 Wed 28 Oct 2020	49 hrs 5 mins	Sydney (SYD) 08:05 Sat 31 Oct 2020	\$3447	

- There is unwanted space created above and below each line, hence we have used
 tag which includes a line break and does not add any spacing

Note regarding `
`

- With `
` tag it is difficult to control the spacing above and below the element.
- Hence it is recommended not to use `
` tag for line breaks
- `<div>` tag can be used for line breaks. We will learn about `<div>` in a subsequent topic

Note regarding <table> attributes

- The <table> tag attributes `border`, `cellpadding` and `cellspacing` are deprecated.
- Deprecated means that it is in the process of being removed. Currently it is available, but can be removed at any point of time in the future, hence it is not recommended to use these attributes
- It is recommended to use Cascading Style Sheet (CSS)
- We are including this to improve the look and feel. Moreover, CSS is not part this learning course, hence we are unable to apply them here.

Code Reference

- GitHub code reference link

<https://github.com/simplacademy/html-learn/blob/6ebb9db143a70ee0211ca5997ffab327d4dc41c7/strat-hawk/index.html>

Exercise #2

View bookings

What to implement?

Display the booked flight ticket details in a table

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My Bookings

Flight	Passenger Name	Departure	Arrival	Seat
SH288	Mr. Tommi Christensen	Berlin 10/28/20 21:00	Sydney 10/31/20 08:05	28C
SH245	Mr. Tommi Christensen	Sydney 11/10/20 22:25	Berlin 11/11/20 12:20	12A

Implementation Guidelines

1. Open Brackets
2. Open 'bookings.html' from 'strat-hawk' folder
3. Include <table> tag after the <h2> tag
4. Include necessary <tr> and <td> tags within the <table> tag and bring the below layout

Flight	Passenger Name	Departure	Arrival	Seat
SH288	Mr. Tommi Christensen	Berlin 10/28/20 21:00	Sydney 10/31/20 08:05	28C
SH245	Mr. Tommi Christensen	Sydney 11/10/20 22:25	Berlin 11/11/20 12:20	12A

Code Reference

- GitHub code reference link:

<https://github.com/simplacademy/html-learn/blob/6ebb9db143a70ee0211ca5997ffab327d4dc41c7/strat-hawk/bookings.html>

Congratulations on completing
the exercises

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