

HTML frameset tag - Mozilla Firefox

File Edit View History Bookmarks Tools Help

HTML frameset tag

www.w3schools.com/tags/tag\_frameset.asp

HTML CSS JAVASCRIPT SQL PHP JQUERY BOOTSTRAP ANGULAR XML TUTORIALS REFERENCES EXAMPLES FORUM

# HTML <frameset> Tag. Not Supported in HTML5.

« Previous Complete HTML Reference Next »

**Example**

A simple three-framed page:

```
<frameset cols="25%,*,25%">
  <frame src="frame_a.htm">
  <frame src="frame_b.htm">
  <frame src="frame_c.htm">
</frameset>
```

Try it Yourself »

To look at frames we are going to look at the examples under XHTML. <http://www.pgrocer.net/Cis44/cis44sampXhtml.html> and scroll down to frames.

More "Try it Yourself" examples below.

## Definition and Usage

The <frameset> tag is not supported in HTML5.

The <frameset> tag defines a frameset.

The <frameset> element holds one or more <frame> elements. Each <frame> element can hold a separate document.

The <frameset> element specifies HOW MANY columns or rows there will be in the frameset, and HOW MUCH percentage/pixels of space will occupy each of them.

**Note:** If you want to validate a page containing frames, be sure the <DOCTYPE> is set to either "HTML Frameset DTD" or "XHTML Frameset DTD".

HTML Events  
HTML Canvas  
HTML Audio/Video  
HTML Doctypes  
HTML Colormaps  
HTML Colorpicker  
HTML Colorizer  
HTML Colormixer  
HTML Character Sets  
HTML URL Encode  
HTML Language Codes  
HTML Country Codes  
HTTP Messages  
HTTP Methods  
PX to EM Converter  
Keyboard Shortcuts

HTML Tags

- <!-->
- <!DOCTYPE>
- <a>
- <abbr>
- <acronym>
- <address>
- <applet>
- <area>
- <article>
- <aside>
- <audio>
- <b>

WEB HOSTING  
UK Reseller Hosting

WEB BUILDING  
FREE Website BUILDER  
Free HTML5 Templates

**eset**  
ENJOY SAFER TECHNOLOGY™

ENJOY THE INTERNET

SAVE 15%  
BUY NOW

Simple, flexible protection for all your devices

Desktop 3:07 PM 2/9/2015

Header Page - Mozilla Firefox

File Edit View History Bookmarks Tools Help


Header Page

www.pgrocer.net/Cis44/HTML/frames/indexbx.html

Most Visited Getting Started Latest Headlines Assignment summary RSS

## TOP OF SCREEN!!!


This is the top header information!




---

## BOTTOM OF SCREEN!!!

This is the bottom header information!



Source of http://www.pgrocer.net/Cis44/HTML/frames/indexbx.html - Mozilla Firefox

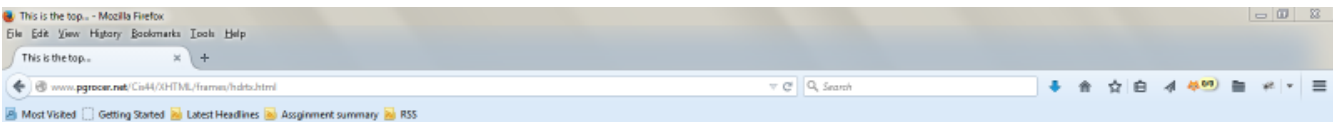
```

1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>Header Page</title>
7 </head>
8 <frameset rows="50%,*">
9 <frame src="hdrbx.html" name="hdrbtop" />
10 <frame src="hdrbx.html" name="hdrbbottom" />
11 </frameset>
12 </html>
13

```

I have established a frameset (notice I did this instead of body).  
I have established that I want two rows: one will be 50% of the height and the other will be the rest (so it will also be 50%).  
With the <frameset> I have the information that will go inside the frame area (which in this case is a row).  
I am actually putting two different pages in the two frames. The top frame will contain hdrbx.html and the bottom frame will contain hdrbx.html.  
I have given each of these a name which we are not currently using but will use later in the explanation.

Desktop 3:22 PM 2/9/2015



### TOP OF SCREEN!!!

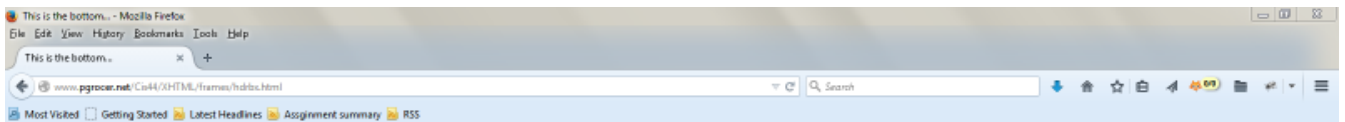
This is the top header information!



```
Source of http://www.pgrocer.net/Cis44/XHTML/frames/hdrts.html - Mozilla Firefox
File Edit View Help
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>This is the top...</title>
7 </head>
8 <body>
9 <h1>TOP OF SCREEN!!!</h1>
10 <p>This is the top header information!<br />
11 
12 </p>
13 </body>
14 </html>
15
```

This is the page that appears in the first frame which is in the top row of the example on the previous slide. Remember that in XHTML you need to have all tags have an ending tag so <br /> and <img... />.





### BOTTOM OF SCREEN!!!

This is the bottom header information!



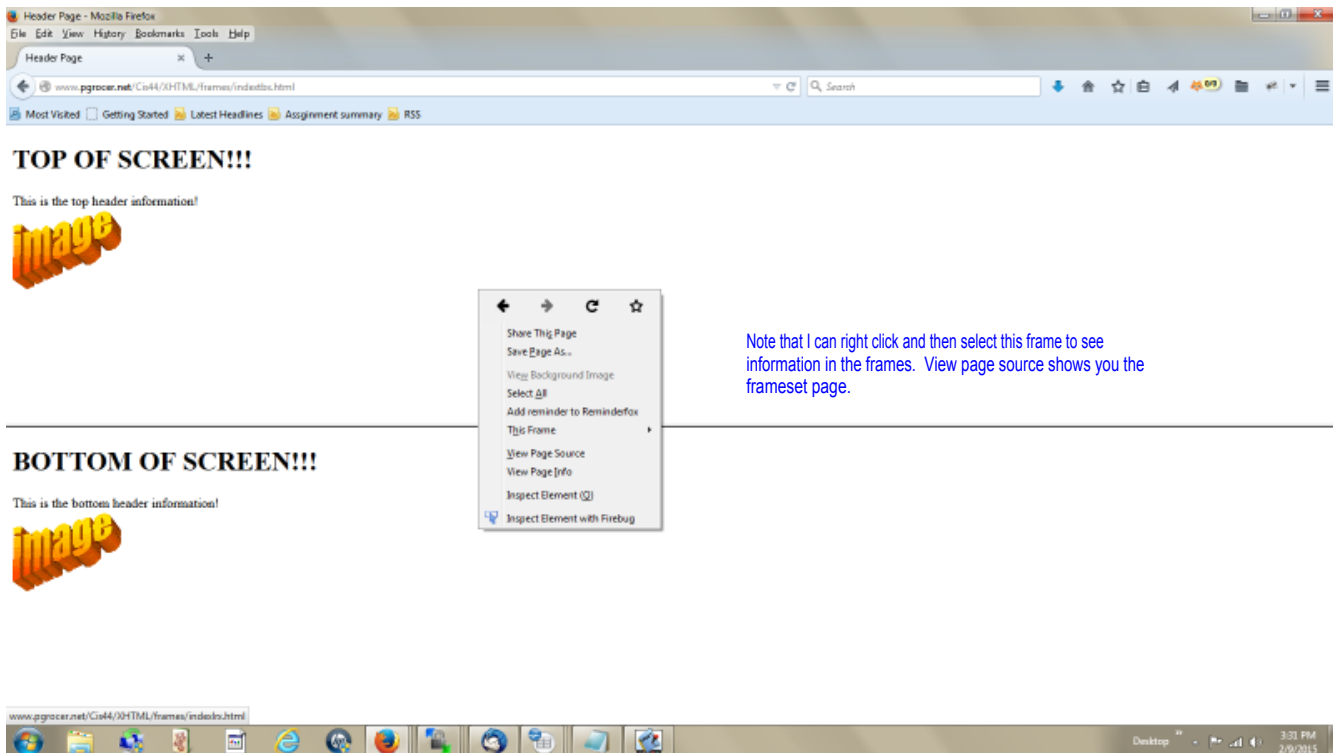
The page that goes in the bottom frame or row in the previous example.



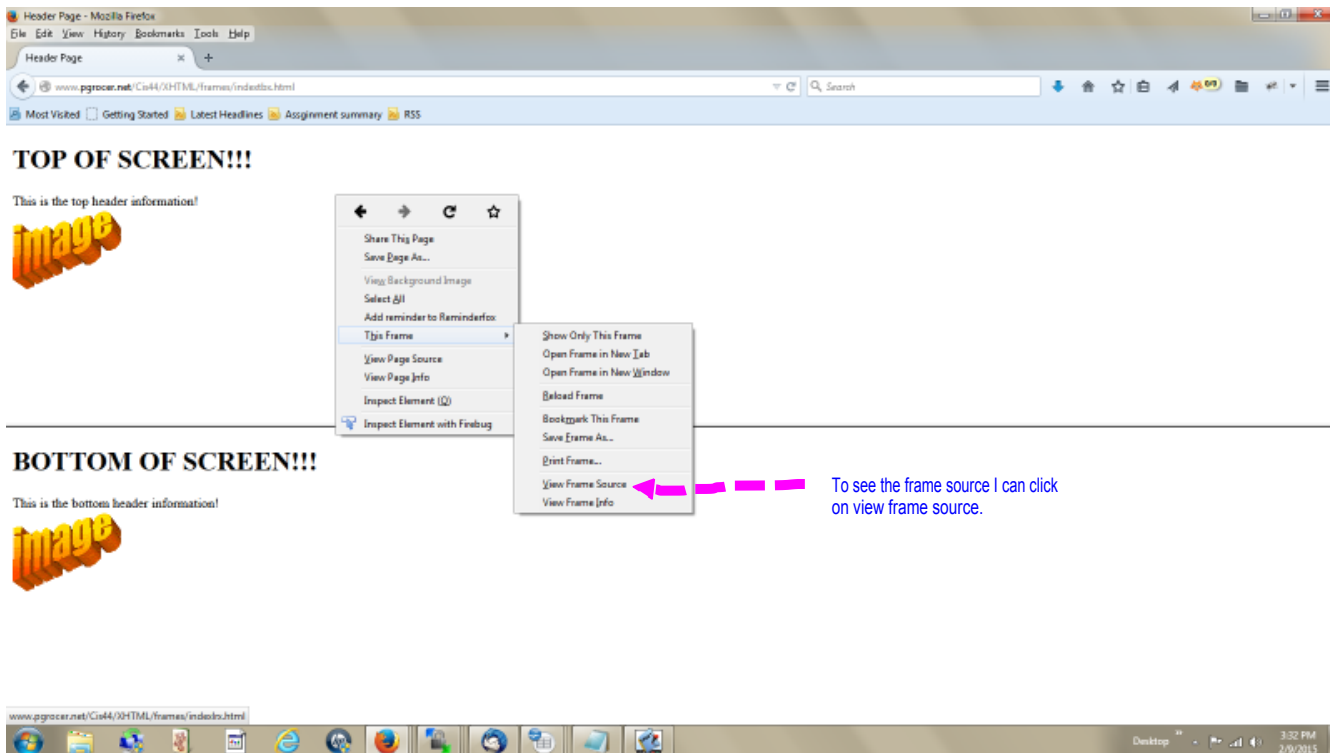
The screenshot shows a Mozilla Firefox browser window displaying a page titled "Header Page". The address bar shows the URL "http://www.pgrocer.net/Cis44/XHTML/frames/indexbx.html". The page content includes the text "TOP OF SCREEN!!!" and "This is the top header information!" followed by a 3D "Image" placeholder. Below a horizontal line, it says "BOTTOM OF SCREEN!!!" and "This is the bottom header information!" followed by another 3D "Image" placeholder. An "Source" window is overlaid on the right side of the browser, showing the HTML code for the page. The code includes a frameset with two frames: "hdrtop" and "hdrbottom".

```
<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
<head>
<title>Header Page</title>
</head>
<frameset rows="50%,*">
<frame src="hdrtx.html" name="hdrtop" />
<frame src="hdrbx.html" name="hdrbottom" />
</frameset>
</html>
```


So again, this example is made up of three pages. The indexbx.html page that is set up using <frameset> and the two pages that appear in the frames: hdrtx.html and hdrbx.html.



Note that I can right click and then select this frame to see information in the frames. View page source shows you the frameset page.



The screenshot shows a Firefox browser window with the address bar at `www.pgrocer.net/Cis44/0HTML/frames/indexbc.html`. The page content includes:

- TOP OF SCREEN!!!**
- This is the top header information!
- 

A source code viewer is overlaid on the right side of the browser window, showing the HTML source for `http://www.pgrocer.net/Cis44/0HTML/frames/hdrtx.html`. The code includes:

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>This is the top...</title>
7 </head>
8 <body>
9 <h1>TOP OF SCREEN!!!</h1>
10 <p>This is the top header information!<br />
11 
12 </p>
13 </body>
14 </html>
15
```

A pink dashed arrow points from the 3D 'image' graphic on the page to the `` line in the source code. Below the source code viewer, a blue text annotation reads: "I am now seeing the source of hdrtx.html which is in the top frame."

At the bottom of the browser window, the text **BOTTOM OF SCREEN!!!** and "This is the bottom header information!" is visible, along with another 3D 'image' graphic.

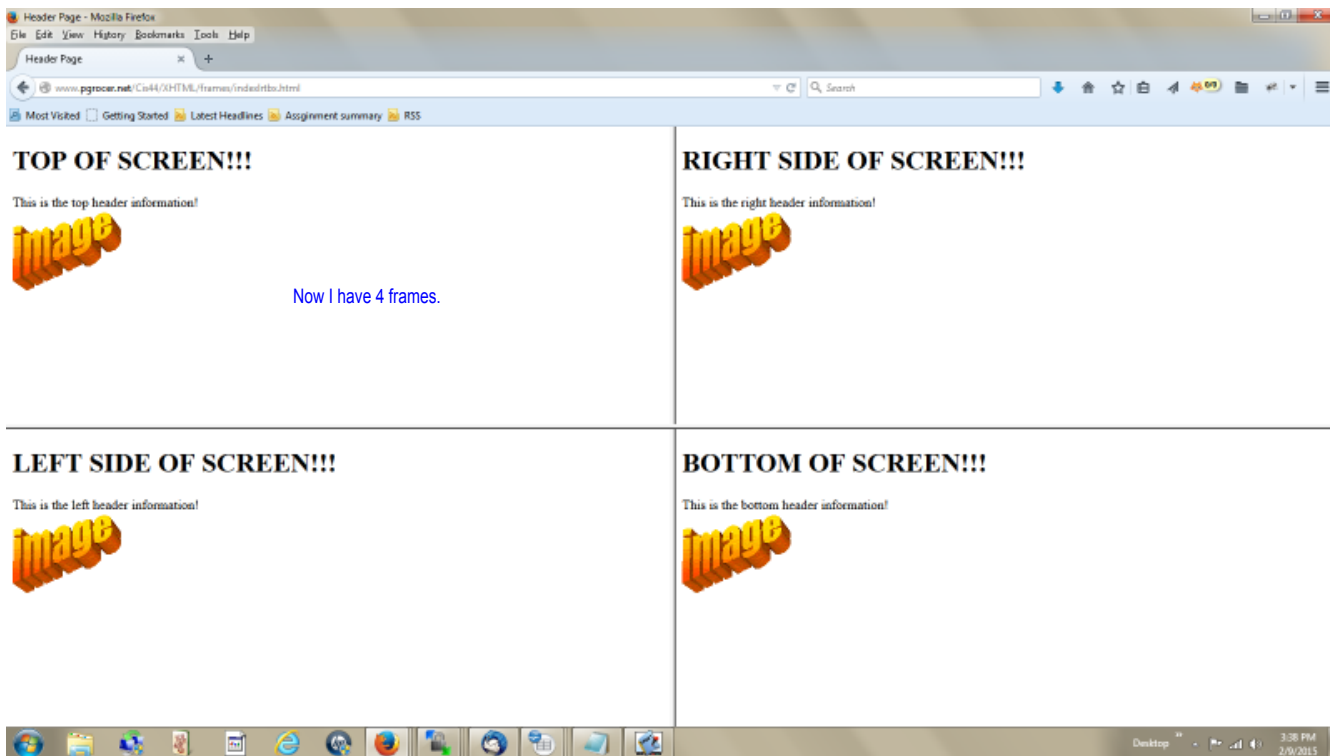


**LEFT SIDE OF SCREEN!!!**  
This is the left header information!  
image

**RIGHT SIDE OF SCREEN!!!**  
This is the right header information!  
image

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 </html>
6 <head>
7 <title>Header Page</title>
8 </head>
9 <frameset cols="50%,50%">
10 <frame src="hdrlx.html" name="hdrleft" />
11 <frame src="hdrrx.html" name="hdrright" />
12 </frameset>
13 </html>
```

The previous example dealt with rows, this one deals with columns. It sets up two columns of 50% each and it puts `hdrlx.html` in the left frame and `hdrrx.html` in the right frame. Again, remember these are separate pages and you can view them individually at my site (they are on the list of pages under frames).



**TOP OF SCREEN!!!**  
This is the top header information!

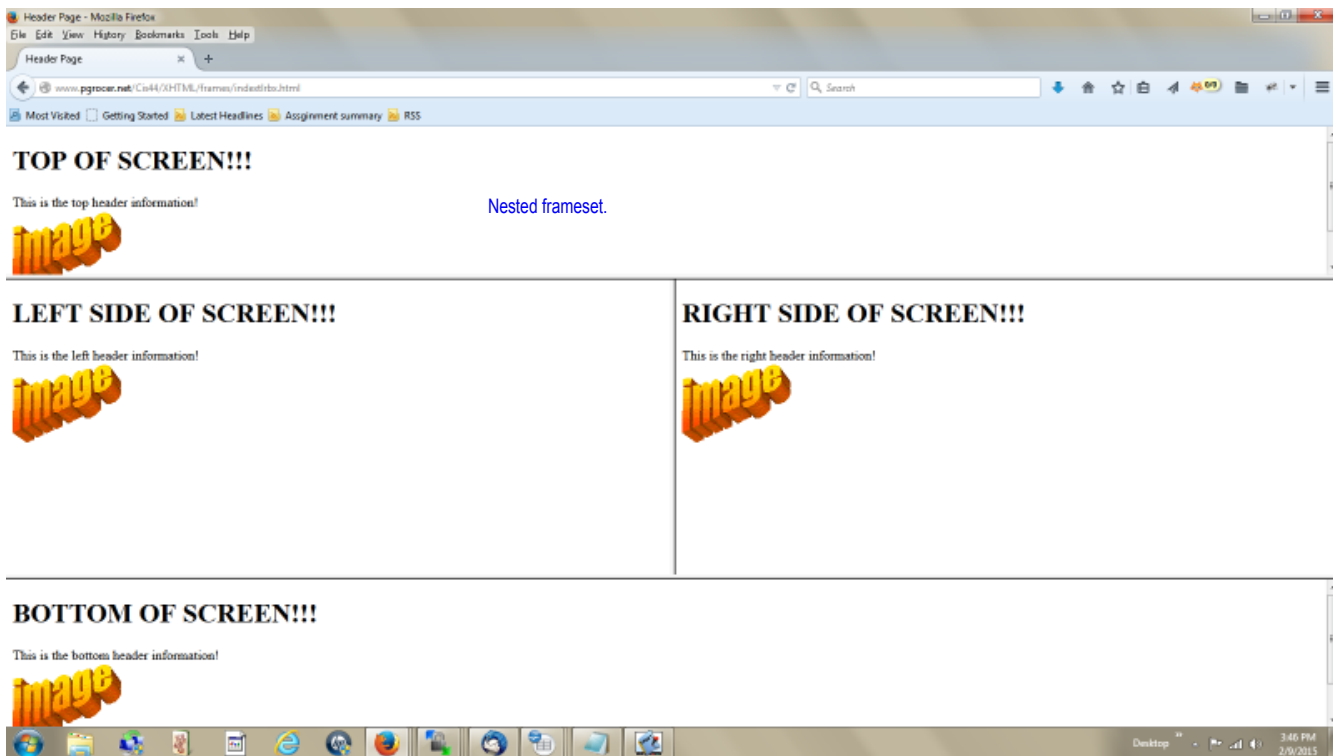
**RIGHT SIDE OF SCREEN!!!**  
This is the right header information!

**LEFT SIDE OF SCREEN!!!**  
This is the left header information!

**BOTTOM OF SCREEN!!!**

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>Header Page</title>
7 </head>
8 <frameset cols="50%,*" rows="50%,*">
9 <frame src="hdrtx.html" name="hdrtop" />
10 <frame src="hdrtx.html" name="hdrright" />
11 <frame src="hdrtx.html" name="hdrleft" />
12 <frame src="hdrtx.html" name="hdrbottom" />
13 </frameset>
14 </html>
15
```

The frameset specified two cols and two rows. It fills the first row and then the second row by doing the first column in the first row and then the second column in the first row etc.



The screenshot shows a Mozilla Firefox browser window displaying a web page titled "Header Page". The page is divided into three horizontal sections: "TOP OF SCREEN!!!", "LEFT SIDE OF SCREEN!!!", and "BOTTOM OF SCREEN!!!". Each section contains a yellow "image" placeholder. The "LEFT SIDE OF SCREEN!!!" and "RIGHT SIDE OF SCREEN!!!" sections are further divided into two columns. A source code window is open, showing the HTML code for the frameset. Annotations in blue text explain the code structure, and pink dashed arrows point from the code to the corresponding sections of the page.

**TOP OF SCREEN!!!**  
This is the top header information!

**LEFT SIDE OF SCREEN!!!**  
This is the left header information!

**RIGHT SIDE OF SCREEN!!!**  
This is the right header information!

**BOTTOM OF SCREEN!!!**  
This is the bottom header information!

First notice that I set up three rows with the middle row taking 50% of the space. Then I set up the frame for the first row and put hdx.html into that frame. Next I set up a framset of two columns and within that I put two frames that hold hdx.html and hdx.html. Finally, the bottom row is a frame that holds hdx.html.

```
<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="" dir="ltr">
<head>
<title>Header Page</title>
</head>
<frameset rows="25%,50%,25%">
<frame src="hdx.html" name="hdrtop" />
<frameset cols="50%,50%">
<frame src="hdx.html" name="hdleft" />
<frame src="hdx.html" name="hdright" />
</frameset>
<frame src="hdx.html" name="hdrbottom" />
</frameset>
</html>
```

![Screenshot of a Mozilla Firefox browser window showing a two-column frame layout. The left column is titled 'LEFT SIDE OF SCREEN!!!' and contains the text 'This is the left header information!' and a 3D 'image' placeholder. The right column is titled 'RIGHT SIDE OF SCREEN!!!' and contains the text 'This is the right header information!' and another 3D 'image' placeholder. Below the right column, there is a note: 'Note: This uses the target_self which means that the new screen will be loaded into this frame.' and a blue 'NEXT' button. An inset window shows the source code of the page, which includes a frameset with two frames: 'hdrleft.html' and 'hdrright.html'. The source code is as follows: <pre>1 <?xml version='1.0' encoding='iso-8859-1'?>
2 <!DOCTYPE html PUBLIC ](hdrright.html)

**LEFT SIDE OF SCREEN!!!**

This is the left header information!

**RIGHT SIDE!!!**

This is the right header information!

Note: This uses the target\_self which means that the new screen will be loaded into this frame.

[NEXT](#)

target="\_self" tells where the new page should be put. In this example when I click on the NEXT button I bring up hdrnew.html and it is loaded on top of the frame contents.

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>This is the right...</title>
7 </head>
8 <body>
9 <h1>RIGHT SIDE!!!</h1>
10 <p>This is the right header information!<br />
11 <br />
12 Note: This uses the target_self which means that the new screen will be loaded into this
13 frame.<br />
14 <a href="hdrnew.html" target="_self"></a></p>
15 </body>
16 </html>
17
```

**LEFT SIDE OF SCREEN!!!**  
This is the left header information!

**NEW VERSION OF RIGHT SIDE!!!**  
This is the right header information - new version!

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>Header Page</title>
7 </head>
8 <frameset cols="33%,*">
9 <frame src="hdr1x.html" name="hdrleft" />
10 <frame src="hdr2x.html" name="hdrright" />
11 </frameset>
12 </html>
13
```

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>This is the right...</title>
7 </head>
8 <body>
9 <h1>NEW VERSION OF RIGHT SIDE!!!</h1>
10 <p>This is the right header information - new version!<br />
11 
12 </p>
13 </body>
14 </html>
15
```

I clicked on next and the page I was bringing up is now located over the page with the next button as a result of target self.



**LEFT SIDE OF SCREEN!!!**

This is the left header information!

image

**RIGHT SIDE!!!**

This is the right header information!

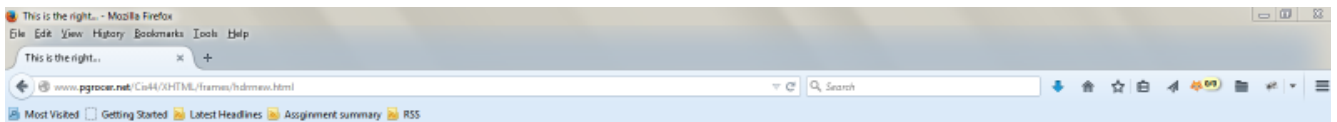
image

Note: This uses the target\_top which means that the new screen will be loaded as a full screen.

next

```
Source of: http://www.pgprocer.net/Cis44/XHTML/frames/indextar2a.html - Mozilla Firefox
File Edit View Help
<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
<head>
<title>This is the right...</title>
</head>
<body>
<div>RIGHT SIDE!!!</div>
<p>This is the right header information!<br />
<br />
Note: This uses the target_top which means that the new screen will be loaded as a full
screen.<br />
<a href="hdrnew.html" target="_top">next.gif</a></p>
</body>
</html>
```

This has target="\_top" which means that the new screen will be a full screen on top of the whole page.



### NEW VERSION OF RIGHT SIDE!!!

This is the right header information - new version!



The result after I click the NEXT button when target top is used.

```
Source of http://www.pgrocer.net/Cs44/XHTML/frames/hdrmw.html - Mozilla Firefox
File Edit View Help
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
4 <head>
5 <title>This is the right..</title>
6 </head>
7 <body>
8 <h1>NEW VERSION OF RIGHT SIDE!!!</h1>
9 <p>This is the right header information - new version!<br />
10 
11 </p>
12 </body>
13 </html>
14
```



**LEFT SIDE OF SCREEN!!!**

This is the left header information!

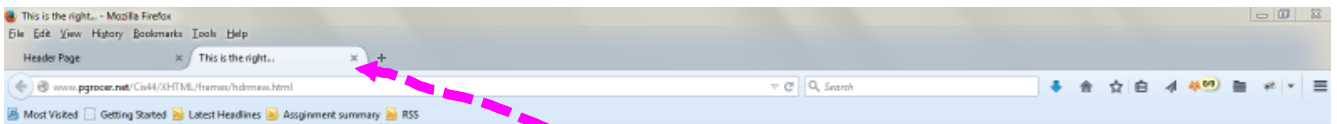
**RIGHT SIDE!!!**

This is the right header information!

Note: This uses the target\_blank which means that the new screen will be loaded as a full screen into a new window.

[next](#)

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>This is the right...</title>
7 </head>
8 <body>
9 <h1>RIGHT SIDE!!!</h1>
10 <p>This is the right header information!<br />
11 <br />
12 Note: This uses the target_blank which means that the new screen will be loaded
13 as a full screen into a new window.<br />
14 <a href="hdrnew.html" target="_blank"></a></p>
15 </body>
16 </html>
17
```



## NEW VERSION OF RIGHT SIDE!!!

This is the right header information - new version!



Note the new window that came up because of target blank.

```
Source of http://www.pgrocet.net/Cs44/HTML/frames/hdrmain.html - Mozilla Firefox
File Edit View Help
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>This is the right...</title>
7 </head>
8 <body>
9 <h1>NEW VERSION OF RIGHT SIDE!!!</h1>
10 <p>This is the right header information - new version!<br />
11 
12 </p>
13 </body>
14 </html>
15
```



**RIGHT SIDE!!!**  
This is the right header information!  
Image  
Note: This uses the target with a name which means that the new screen will be loaded into the screen with that name. Note that the name is in the main frame code as name=.

**RIGHT SIDE OF SCREEN!!!**  
This is the RIGHT header information!  
Image

```
Source of http://www.pgrocer.net/Cis44/XHTML/frames/index.htm-4c.html - Mozilla Firefox
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>Header Page</title>
7 </head>
8 <frameset cols="50%,50%">
9 <frame src="hdrlefta.html" name="hdrleft" />
10 <frame src="hdrrighta.html" name="hdrright" />
11 </frameset>
12 </html>
```

```
Source of http://www.pgrocer.net/Cis44/XHTML/frames/hdrlefta.html - Mozilla Firefox
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>This is the right...</title>
7 </head>
8 <body>
9 <h1>RIGHT SIDE!!!</h1>
10 <p>This is the right header information!<br />
11 <br /><br />
12 Note: This uses the target with a name which means that the new screen will be
13 loaded into the screen with that name. Note that the name is in the main frame
14 code as name=. <br /><br />
15 <a href="hdrnew.html" target="hdrright"></a></p>
16 </body>
17 </html>
```

This is a named target and I am telling it to load the new page into the frame name hdrright. So when I click the next button which is in the page on the left, it will load the new page into the frame on the right.


Header Page - Mozilla Firefox

Header Page

www.pgrocer.net/Cis44/HTML/frames/index.html

### RIGHT SIDE!!!

This is the right header information!




Note: This uses the target with a name which means that the new screen will be loaded into the screen with that name. Note that the name is in the main frame code as name=.

View

### NEW VERSION OF RIGHT SIDE!!!

This is the right header information - new version!







And the new page is here!

```
Source of http://www.pgrocer.net/Cis44/HTML/frames/hdrnew.html - Mozilla Firefox
File Edit View Help
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>This is the right...</title>
7 </head>
8 <body>
9 <h3>NEW VERSION OF RIGHT SIDE!!!</h3>
10 <p>This is the right header information - new version!<br />
11 
12 </p>
13 </body>
14 </html>
15
```

Desktop 4:09 PM 2/9/2015

The screenshot shows a Mozilla Firefox browser window displaying a framed web page. The browser's address bar shows the URL `www.pgrocer.net/Cs44/XHTML/frames/indexprop.html`. The page content is divided into four quadrants by a central frame structure:

- TOP OF SCREEN!!!**: This is the top header information! 
- RIGHT SIDE OF SCREEN!!!**: This is the right header information! 
- LEFT SIDE OF SCREEN!!!**: This is the left header information! 
- BOTTOM OF SCREEN!!!**: This is the bottom header information! 

A source code window is overlaid in the center, showing the following HTML code:

```
1 <?xml version="1.0" encoding="iso-8859-1"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4 <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
5 <head>
6 <title>Header Page</title>
7 </head>
8 <frameset cols="50%,*" rows="50%,*">
9 <frame src="hdrtx.html" noresize scrolling="no" name="hdrxtop" />
10 <frame src="hdrfx.html" noresize scrolling="no" name="hdrtright" />
11 <frame src="hdrlx.html" noresize scrolling="no" name="hdrleft" />
12 <frame src="hdrbx.html" noresize scrolling="no" name="hdrbottom" />
13 </frameset>
14 </html>
15
```

Below the source code window, a note reads: "Does not allow the borders to be moved - in previous examples I could move them."

The Windows taskbar at the bottom shows the system tray with the date and time: "Desktop 5:01 PM 2/9/2015".