

FRAMES IN HTML

- Frames are rectangular sections of the display window, each of which can display a different document
- Because frames are no longer part of XHTML, you cannot validate a document that includes frames
- The <frameset> tag specifies the number of frames and their layout in the window
 - <frameset> takes the place of <body>
 - Cannot have both!
 - <frameset> must have either a rows attribute or a cols attribute, or both (usually the case)
 - Default is 1
 - The possible values for rows and cols are numbers, percentages, and asterisks
 - A number value specifies the row height in pixels - Not terribly useful!
 - A percentage specifies the percentage of total window height for the row - Very useful!
- ❑ An asterisk after some other specification gives the remainder of the height of the window
- ❑ Examples:

```
<frameset rows = "150, 200, 300">
```

```
<frameset rows = "25%, 50%, 25%">
```

```
<frameset rows = "50%, 20%, *" >
```

```
<frameset rows = "50%, 25%, 25%"  
  cols = "40%, *">
```

- The <frame> tag specifies the content of a frame
- The first <frame> tag in a <frameset> specifies the content of the first frame, etc.
 - ❑ Row-major order is used
 - ❑ Frame content is specified with the src attribute
 - ❑ Without a src attribute, the frame will be empty (such a frame CANNOT be filled later)
- If <frameset> has fewer <frame> tags than frames, the extra frames are empty

- Scrollbars are implicitly included if needed (they are needed if the specified document will not fit)
- If a name attribute is included, the content of the frame can be changed later (by selection of a link in some other frame)

→ SHOW frames.html

- Note: the Frameset standard must be specified in the DOCTYPE declaration

Eg:

```
<!-- contents.html
```

The contents of the first frame of frames.html, which is the table of contents for the second frame

```
-->
```

```
<html xmlns = "http://www.w3.org/1999/xhtml">
```

```
<head> <title> Table of Contents Frame
```

```
</title>
```

```
</head>
```

```
<body>
```

```
<h4> Fruits </h4>
```

```
<ul>
```

```
<li> <a href = "apples.html"
      target = "descriptions">
      apples </a>
```

```
<li> <a href = "bananas.html"
      target = "descriptions">
      bananas </a>
```

```
<li> <a href = "oranges.html"
      target = "descriptions">
      oranges </a>
```

```
</ul>
```

```
</body>
```

```
</html>
```

- Nested frames - to divide the screen in more interesting ways

→ SHOW nested_frames.html