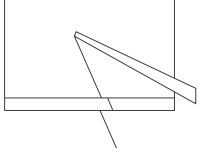


Bring ideas to life  
**VIA University College**



# Links

RWD – I1

Exercises from last time

# Questions

# HTML recap

- A start tag: `<something>` (`<strong>`)
- An end tag: `</something >` (`</strong>`)
- An open tag: `<something>` (`<br>`)
- Browsers ignore what they don't understand:
  - `<asdasdfjsionas>`, but also
  - `<titel>` or `<tabble>`, and
  - `<h1 This is my header </h1>` (One big tag)

Where are the problems??

# Recap Principles of HTML

## Markup

- *Start tags:* `<h1>`, `<p>`, `<ul>`, `<b>`, `<i>`
- *End tags:* `</h1>`, `</p>`, `</ul>`, `</b>`, `</i>`
- Tags are nested:

`<b><i>This is bold italic</i></b>`

A diagram illustrating the nesting of HTML tags. It shows a large outer bracket for the `<b>` tag and a smaller inner bracket for the `<i>` tag, both correctly nested within the text "This is bold italic".

- Not like this:

`<b><i>This is bold italic</b></i>`

A diagram illustrating an incorrect tag structure. It shows two overlapping brackets: a red one for `<b>` and a blue one for `<i>`. The `</b>` tag is closed before the `</i>` tag, which is not valid HTML nesting.

# Recap Head and Body

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="description" content="what is this page
      about">
    <meta name="author" content="Line Egsgaard">
    <title>Session Plan</title>
  </head>
  <body>
    This is where all content on the web page goes
  </body>
</html>
```

RED tags: Mandatory  
Blue tags: Optional

# Recap Special tags

Some characters are not easy to put in HTML because they are part of the tags:

<

>

“

We write them as

&lt;

&gt;

&quot;

# Whitespace is collapsed

<p>The      moon is  
drifting      away      from  
the  
earth.</p>

**The result in the browser:**

The moon is drifting away from the earth.

# Predefined format

- If you want it to be displayed as you write it, with all the whitespaces, then use the `<pre>` `</pre>` tag
- predefined format

## *The result in the browser:*

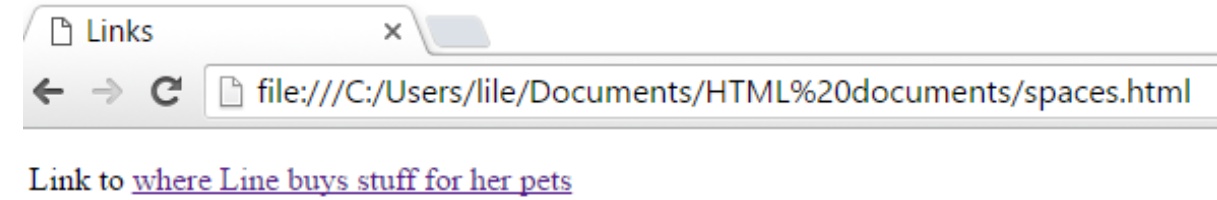
```
The    moon is  
  
drifting    away    from the  
  
earth.
```



# Validation of your web site

- You can validate your HTML documents at <http://validator.w3.org/>
- It will catch things like `<table>` and missing closing tags
- It's very strict
- You can ignore the warnings
  - if you understand why they are there
  - try always to understand and avoid warnings

# Links (absolute URL)



`<a>` This is a link tag

*The page the link takes you to*

`<p>Link to <a href="http://www.zooplus.dk">`  
`where Line buys stuff for her pets</a></p>`

*The text the user will see, and can click on*

# Link targets

- Open link in new window etc.
  - Default is open in same frame/window

## Syntax

```
<a target="_blank|_self|_parent|_top|framename">
```

## Attribute Values

Value	Description
<code>_blank</code>	Opens the linked document in a new window or tab
<code>_self</code>	Opens the linked document in the same frame as it was clicked (this is default)
<code>_parent</code>	Opens the linked document in the parent frame
<code>_top</code>	Opens the linked document in the full body of the window
<code><i>framename</i></code>	Opens the linked document in a named frame

# Open page in new Browser window

```
<a href="http://www.zooplus.dk" target="_blank">
```

Where Line buys stuff for her pets

```
</a>
```

# Link to section/fragment of page (bookmarks)

- Known from
  - FAQ's
  - e-News paper's
  - etc.
- Easy to make 😊
  - Use the *id* attribute (id="value") to define bookmarks in a page
  - Use the *href* attribute (href="#value") to link to the bookmark

# Link to bookmarks

```
<h1 id="top">A list of Line's current and previous pets.</h1>
```

```
<ul>
```

```
  <li><a href="#Nemo">Nemo</a></li>
```

```
  <li><a href="#Elvis">Elvis</a></li>
```

```
  <li><a href="#Kiera">Kiera</a></li>
```

```
  <li><a href="#Lucia">Lucia</a></li>
```

```
  <li><a href="#Ossie">Ossie</a></li>
```

```
  <li><a href="#Whiskey">Whiskey</a></li>
```

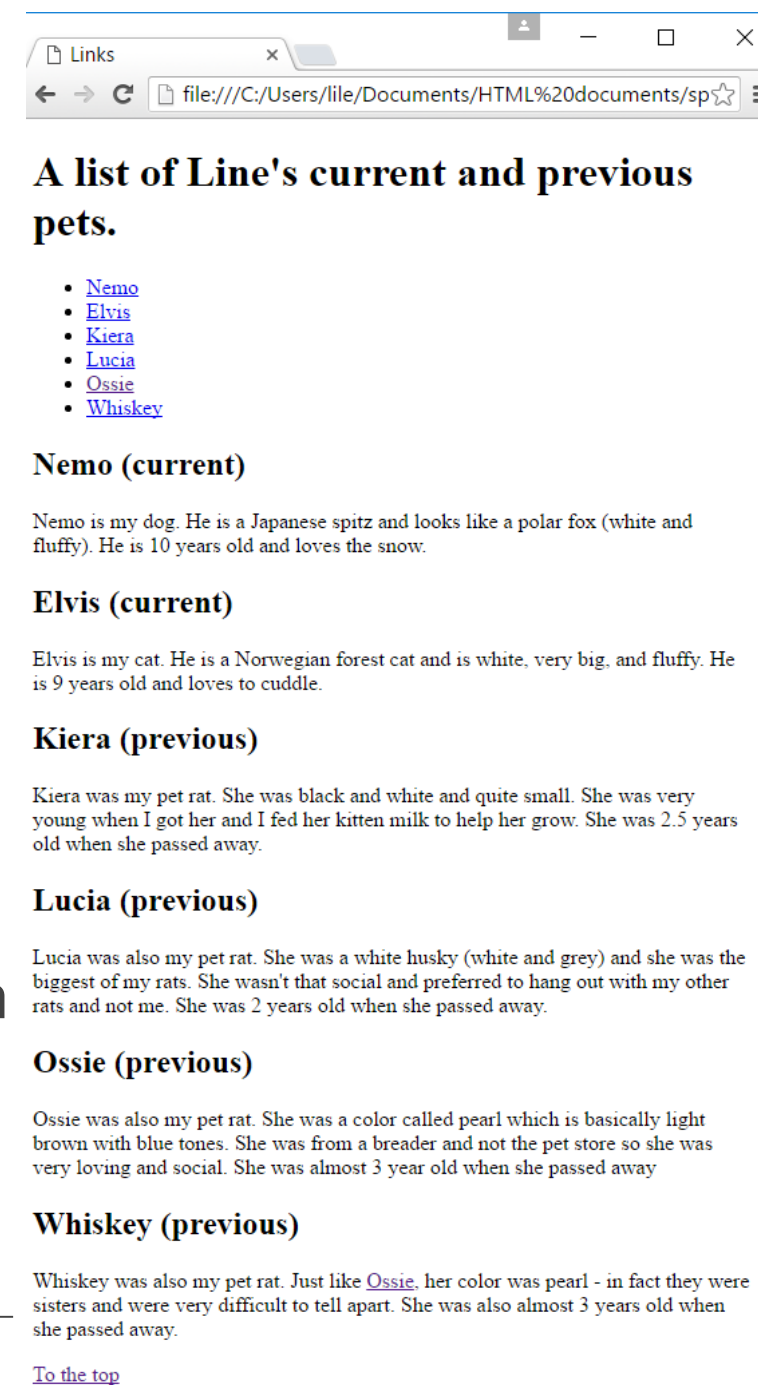
```
</ul>
```

```
<h2 id="Nemo">Nemo (current)</h2>
```

```
<p>Nemo is my dog. He is a Japanese spitz and looks like a  
polar fox (white and fluffy). He is 10 years old and loves the  
snow.</p>
```

```
...
```

```
<p><a href="#top">To the top</a></p>
```



# URL's

- Used in `<a>`, `<img>` and others
- Absolute URLs:

<http://studienet.via.dk/>

Space

<file:///C:/Users/lile/Documents/HTML%20documents/spaces.html>

- Relative URLs:
  - In the same directory: `Jam.jpg`
  - In a subdirectory: `images/Jam.jpg`
  - In a parent directory: `../Java%20Jam.jpg`

# Directory Structure & Relative links

- Logical folder structure on web-server
- Relative links in `.html` files



groomer  
index.html  
contact.html



images



products  
collars.html

shampoo.html



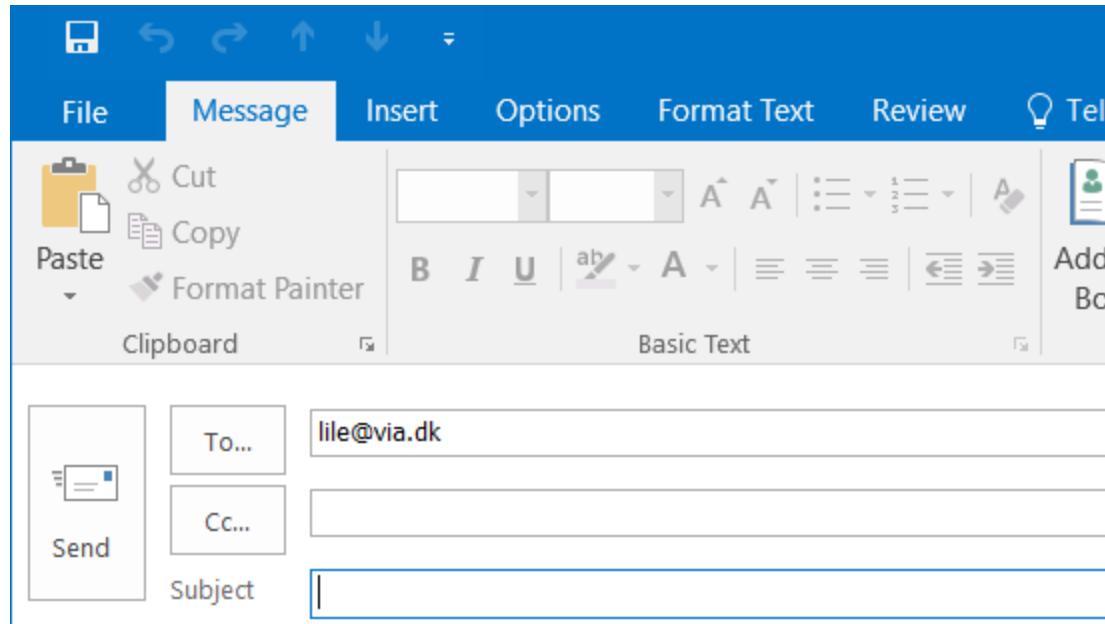
services  
bathing.html  
daycare.html

```
<a href="contact.html">Contact</a>
<a href="products/collars.html">Collars</a>
<a href=" ../index.html">Home</a>
<a href=" ../services/bathing.html">Dog Bathing</a>
```



# Email links

- Used to open the user's mail program and insert email address in mail
- `<a href="mailto:lile@via.dk">Mail to Line</a>`



# Exercises

- Continue to improve upon your Star Pizza website from last time
  - Make a front page for Star Pizza with a link to your email address (a new page)
  - Make the Star Pizza menu on a second page (the front page should be a welcome page)
  - Create a link from the Star Pizza front page to the menu page
    - The front page will only contain this link and a link to your email
  - Create a link on the menu page back to the Star Pizza front page
  - Add more items to the menu (e.g. pasta, beverages)
  - Make bookmarks (link shortcuts) in the top of this menu page to each of the menu item groups and possibly also links to the top of the page
- Validate your Star Pizza page. Fix any errors
- Continue with your personal web site