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ADDING LINKS

OVERVIEW

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Adding Links

`<a> `

`Link text or image`

The **href** attribute provides the location (URL) of the resource.

You can link to any resource:

- HTML documents
- Images
- Movies
- PDFs
- More!

href Attributes

- **Absolute URLs** begin with the protocol (ex: **http://**).
- **Relative URLs** provide the path to a file on the same server as the document containing the link (ex: **/directory/document.html**).
- Long URLs can make the markup look complicated, but the structure is the same:

Opening anchor tag

```
<a href="https://www.amazon.com/Bequet-Gourmet-Caramel-24oz-Celtic/dp/B00GZEU10Y/ref=sr_1_1_a_it?ie=UTF8&qid=1467055107&sr=8-1&keywords=bequet">Bequet Caramels</a>
```

URL

Linked text

Closing anchor tag

A diagram showing an HTML anchor tag with labels pointing to its parts. The tag is: `Bequet Caramels`. A vertical line from 'Opening anchor tag' points to the opening tag. A vertical line from 'URL' points to the href attribute value. A bracket from 'Linked text' spans the text 'Bequet Caramels'. A vertical line from 'Closing anchor tag' points to the closing tag.

External Links

- **External links** go to pages that are **not** on your server.
- An absolute URL is required, including “**http://**”

```
<li><a href="http://www.foodnetwork.com">The Food  
Network</a></li>
```

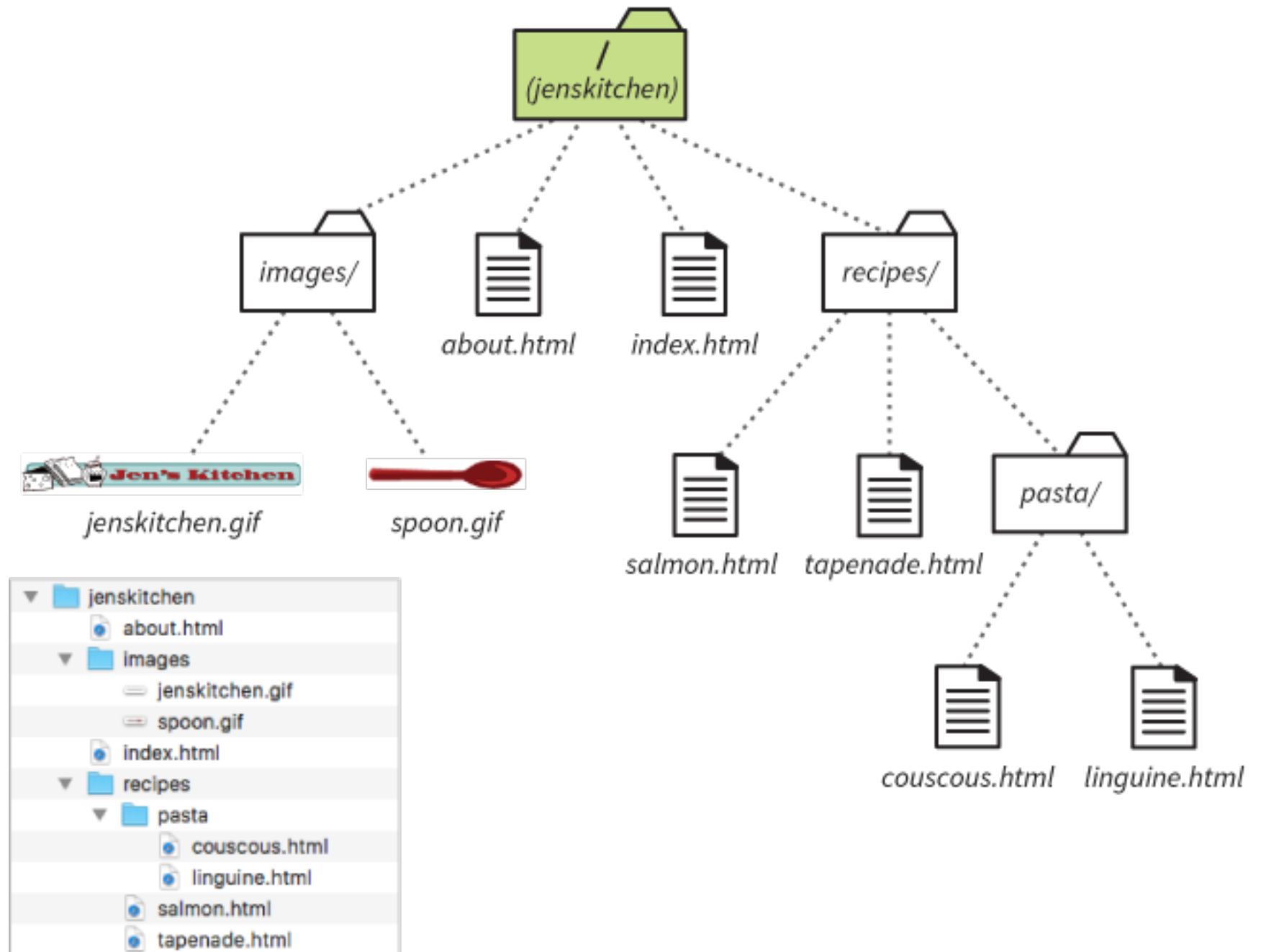
Linking on Your Own Site

- When no protocol is provided, the browser looks on the current server for the resource.
- A **relative pathname** describes how to get to the resource starting from the current document.
- Pathnames follow UNIX syntax conventions.

Example Server Directory Structure

The following relative pathname discussions are based on this site structure.

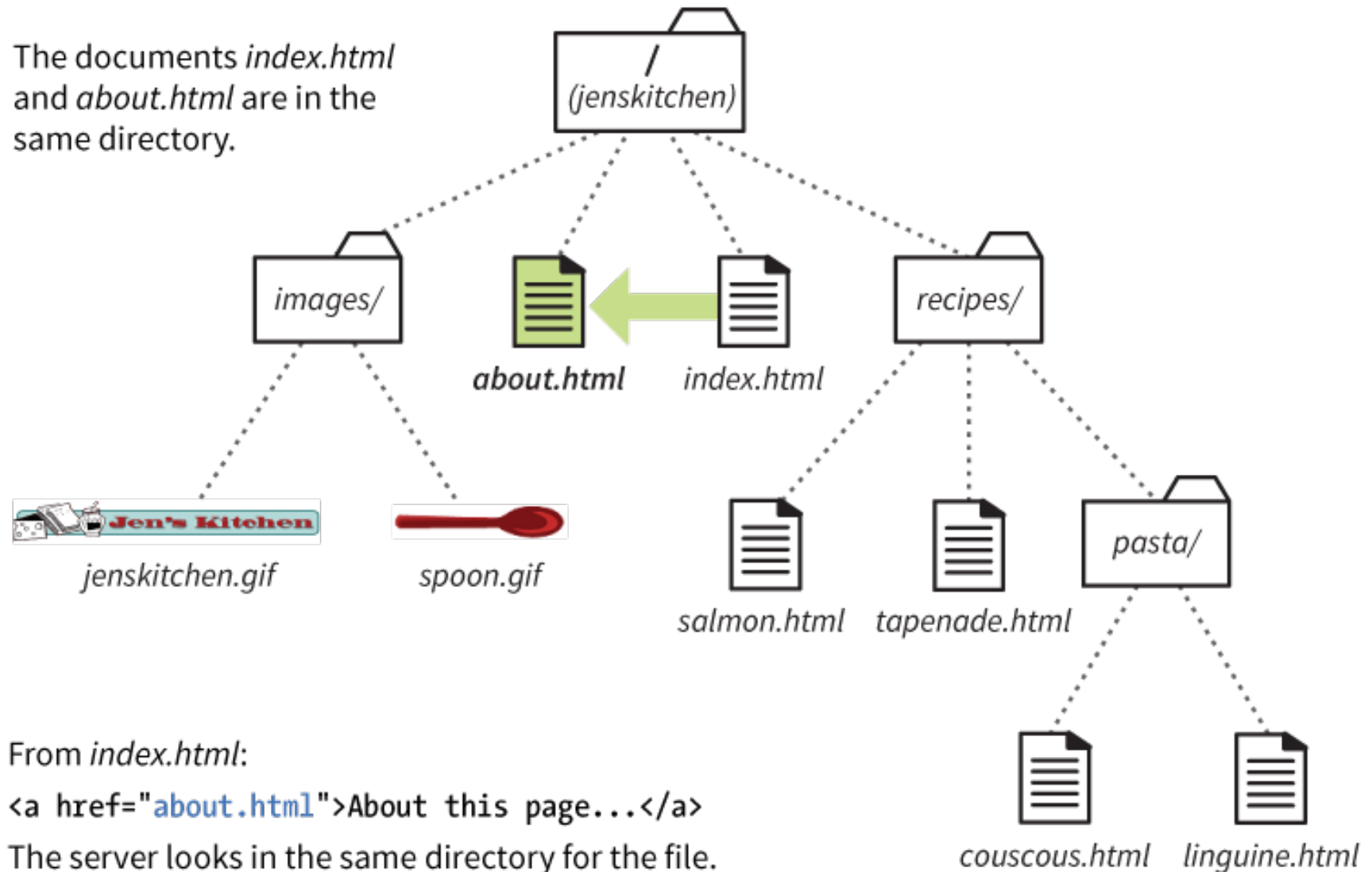
The root directory is called *jenskitchen*.



Linking in the Same Directory

When the linked document is in the same directory as the current document, just provide its filename:

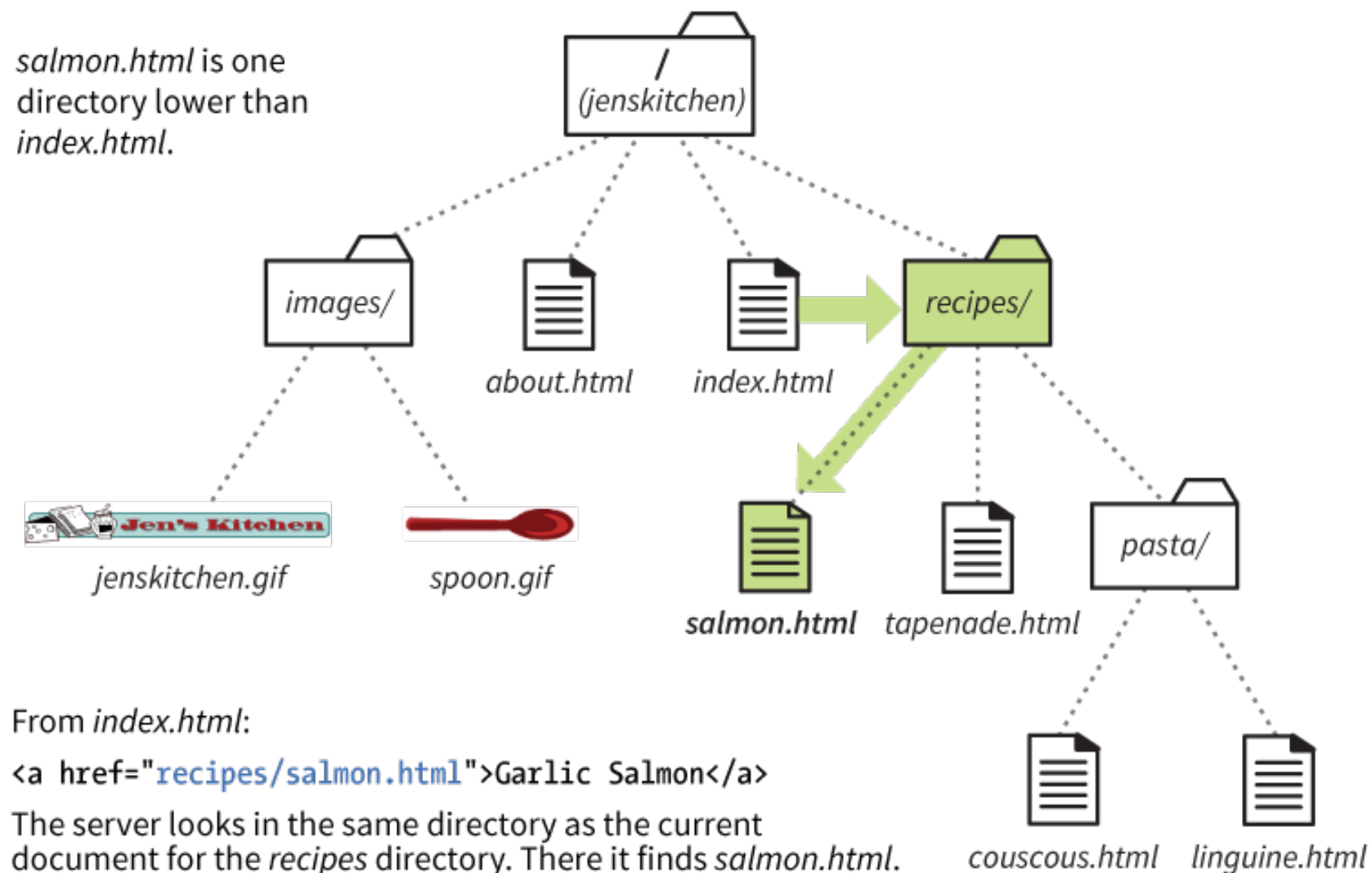
`href="about.html"`



Linking into a Lower Directory

If the linked file is in a directory, include the directory name in the path.

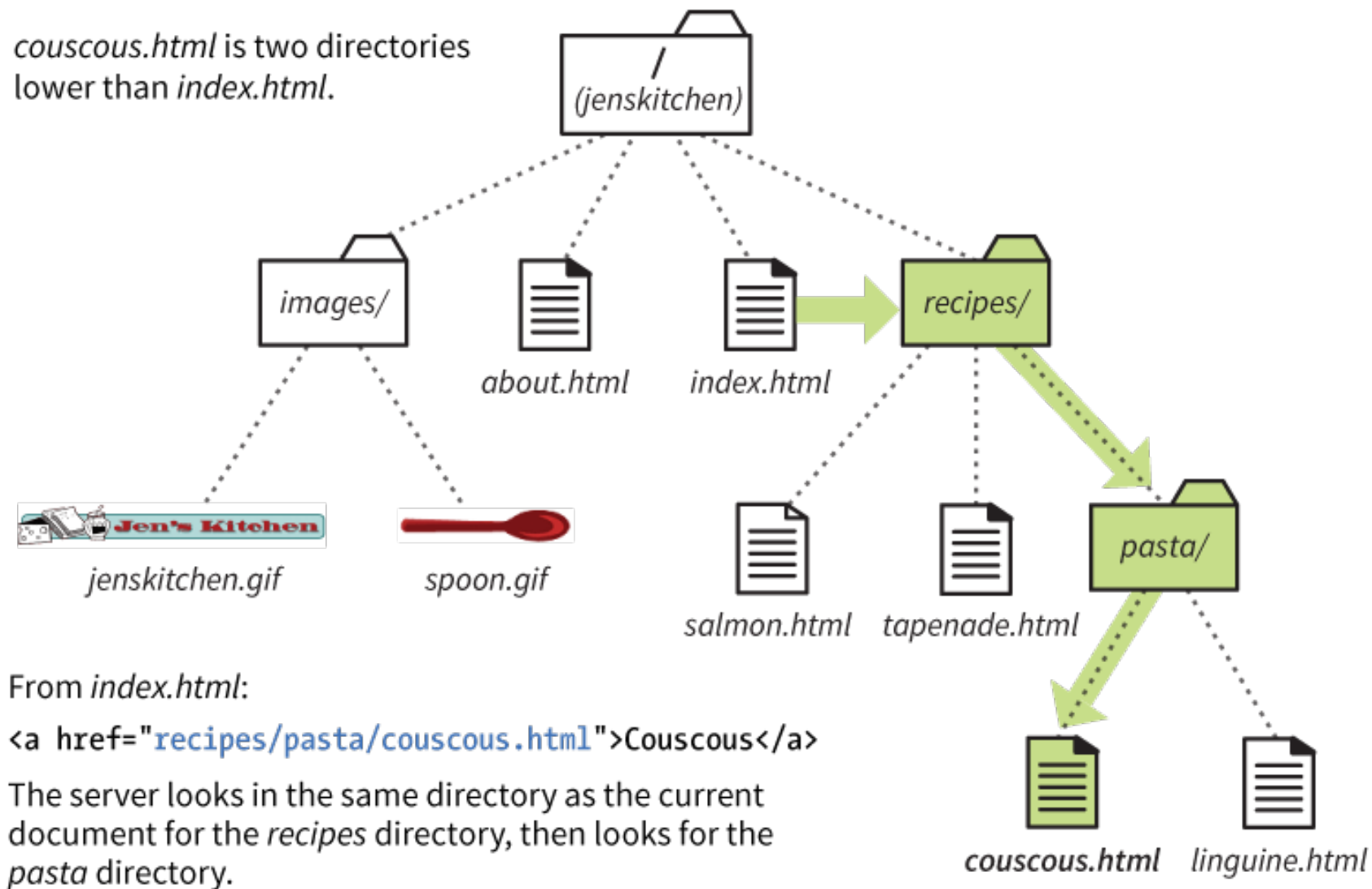
```
href="recipes/salmon.html"
```



Linking into Two Directories

Include each subdirectory name in the path to the linked document:

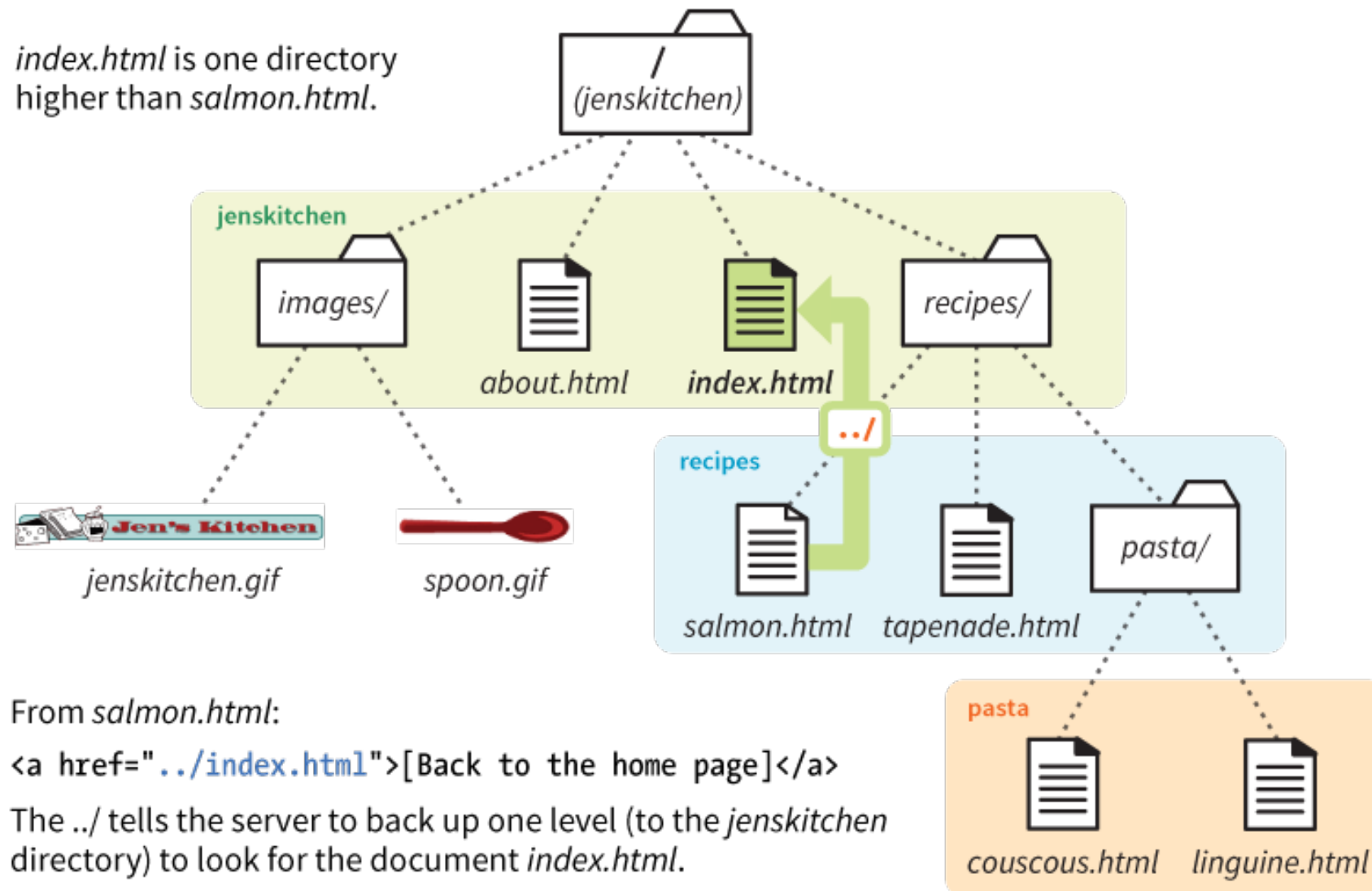
`href="recipes/pasta/couscous.html"`



Linking to a Higher Directory

To back up a level, the `../` stands in for the name of the higher directory:

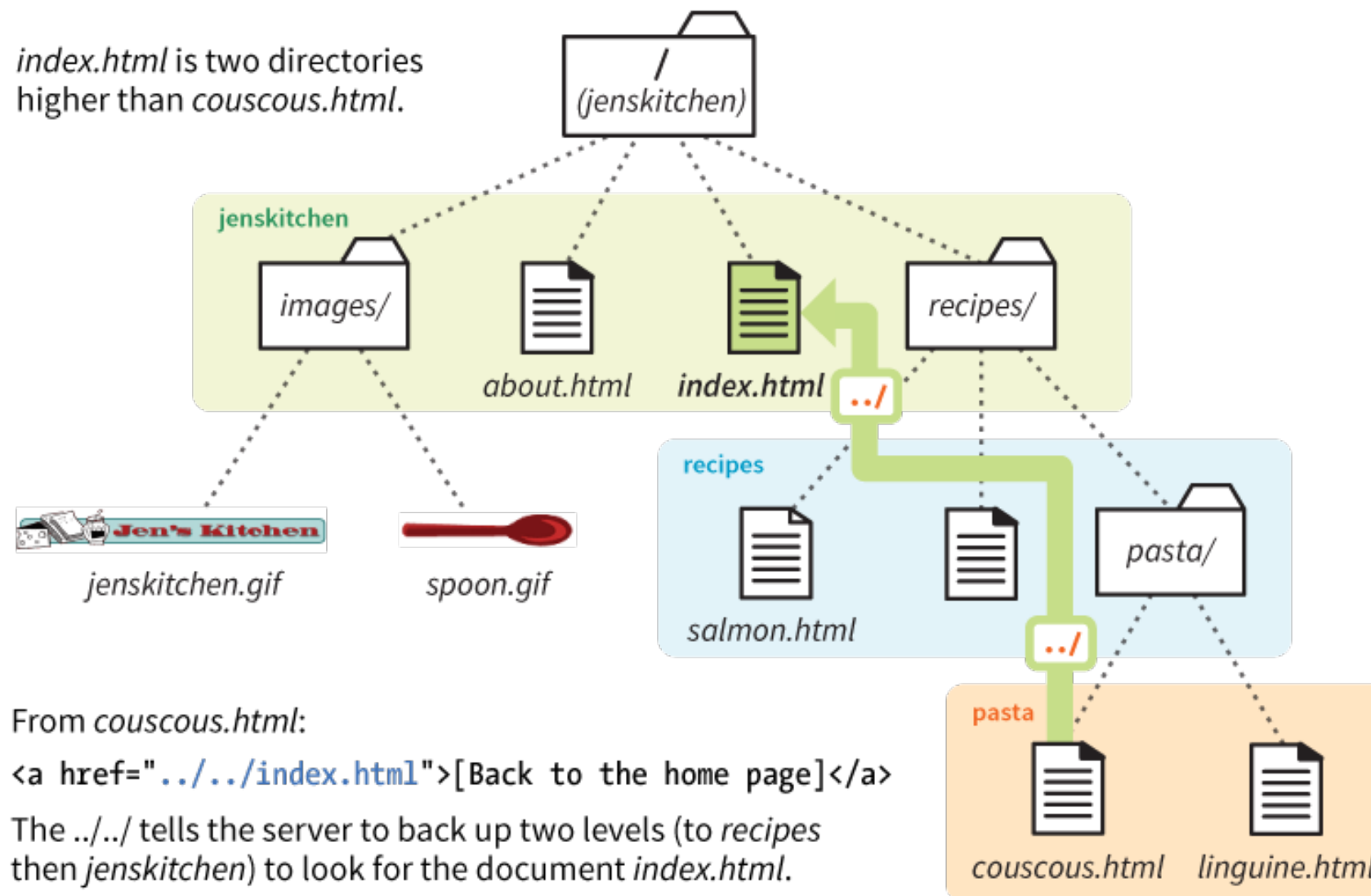
`href=" ../index.html "`



Linking Up Two Directory Levels

Include a `../` for each level you need to back up to:

```
href=" ../ ../index.html "
```



Site Root Relative Paths

Starting the path with a slash / means the pathname starts at the root directory. You don't need to write the name of the directory.

`href="/recipes/salmon.html"`

NOTE: Site root relative URLs are more flexible because they work from any document on the site.

DOWNSIDE: They won't work on your own computer because the / will be relative to your hard drive. You'll need to test it on the actual web server.

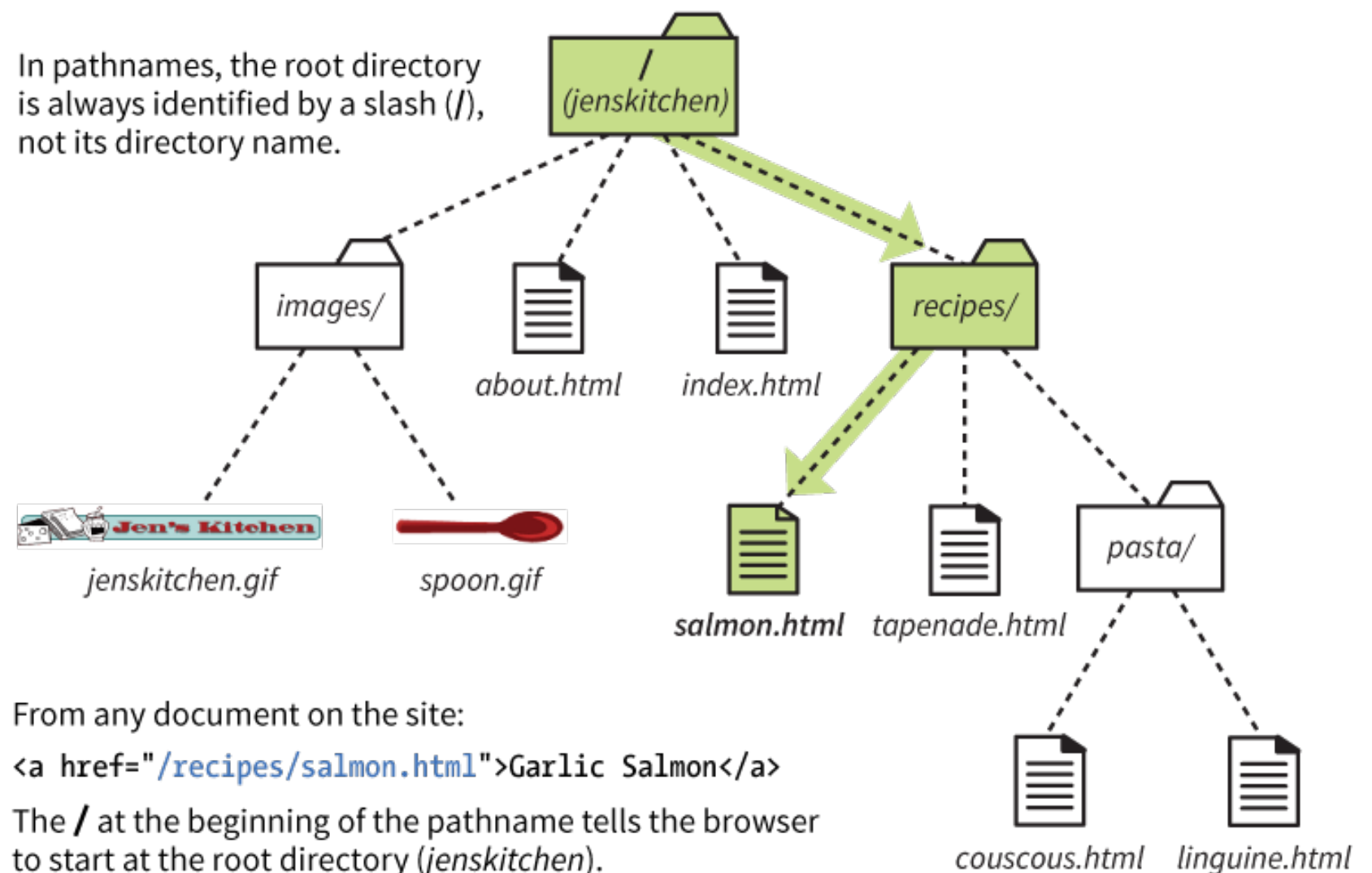


Image src Pathnames

Relative pathnames are also commonly used to point to image files with the **src** attribute:

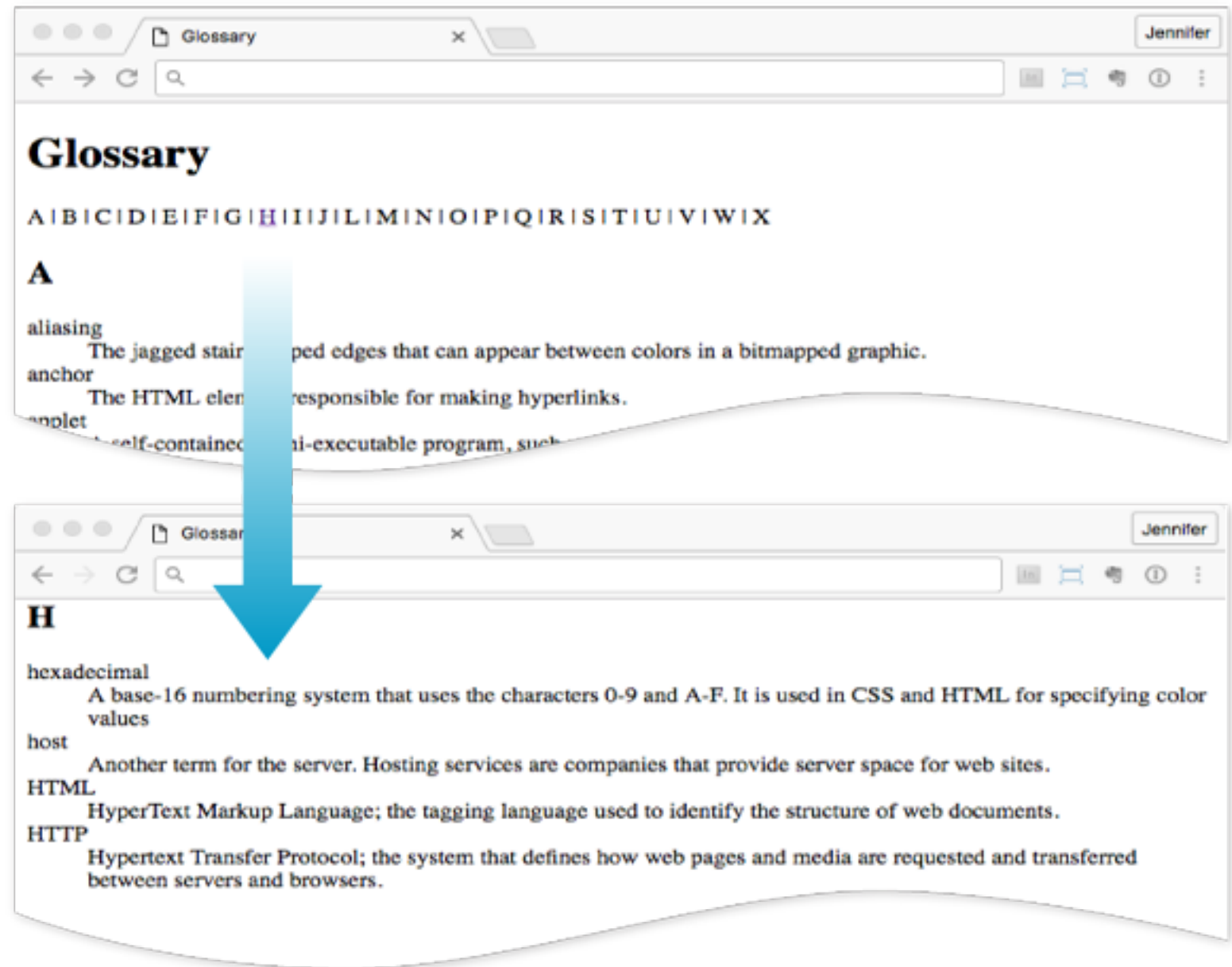
```

```

Linking Within a Page (Fragments)

Linking to a specific point on a web page is called linking to a document fragment.

This is useful for providing links down to content from the top of a long document.



Linking to a Fragment

For example, to create a link from the letter H in a list at the top of the page to the “H” heading farther down in the document:

Step 1: Identify the target destination.

Use the **id** attribute to give the target element a unique name:

```
<h2 id="startH">H</h2>
```

Step 2: Link to the target (#).

The **#** symbol before the name indicates that the link goes to a fragment:

```
<p>... F | G | <a href="#startH">H</a> | I | ... </p>
```


Targeting Browser Windows

The **target** attribute in the a tag tells the browser the name of the window in which you want the linked document to open:

```
<a href="recipes.html" target="_blank">Recipe book</a>
```

target="_blank"

Always opens a new browser window.

target="name"

Opens a new window with that name and then opens all subsequent targeted links with that name in the same window.

It may also open in an embedded frame (iframe) with that name.

Mail Links

Use the “mailto” protocol to make a linked email address open in a mail program:

```
<a href="mailto:wonderwoman@example.com">Email  
WonderWoman</a> (wonderwoman@example.com)
```

NOTE: Most browsers are configured to open the computer’s primary email program, but this may not work for some users. Be sure the email address is included on the page and use the `mailto` link as progressive enhancement.