

DESIGN AND CODING FOR THE WEB

BA (Hons)
User Experience Design

QUESTIONS

Feel free to ask questions throughout.

You can also ask them (anonymously) at:

<https://www.menti.com/gxsk8tjqj2>

UNIT DETAILS

Submission Date
02/06/2021 by 3pm

Submission Format
Electronic (PDF)

Assessment Type
Pass/Fail

Unit Credits
40

UNIT AIMS

BA (Hons)
User Experience Design

UNIT AIMS

This unit introduces you to the practices of designing and coding for the web.

UNIT AIMS

You will be introduced to the fundamental skills of web technologies, including how to work with various media, define typography, create structured and responsive layouts and control transitions and animations.

As part of this you will be introduced to HTML, CSS, and JavaScript.

UNIT AIMS

This unit requires that you engage with iterative technical development as part of your creative practice.

UNIT STRUCTURE: MULTIPLE BRIEFS

BRIEF 1: HYPERTEXT NARRATIVE

Create an interactive hypertext narrative that reveals something about yourself or an experience you've had.

BRIEF 1: HYPERTEXT NARRATIVE

This could be a story about yourself, a journey through a topic you're interested in, a mode of navigation that mimics your personality, etc.

BRIEF 1: HYPERTEXT NARRATIVE

There should be multiple HTML pages, linked together by <a> tags. Each page could contain text and/or images.

**No styling.
Limit your focus to story and interaction.**

BRIEF 2: CODING FROM LIFE

**Using only HTML and CSS you have learnt from
class workshops create a still life drawing.**

BRIEF 2: CODING FROM LIFE

**You will be provided the composition
to work from in next week's session.**

Please include:

- all objects**
- one texture, drop shadow, or gradient**

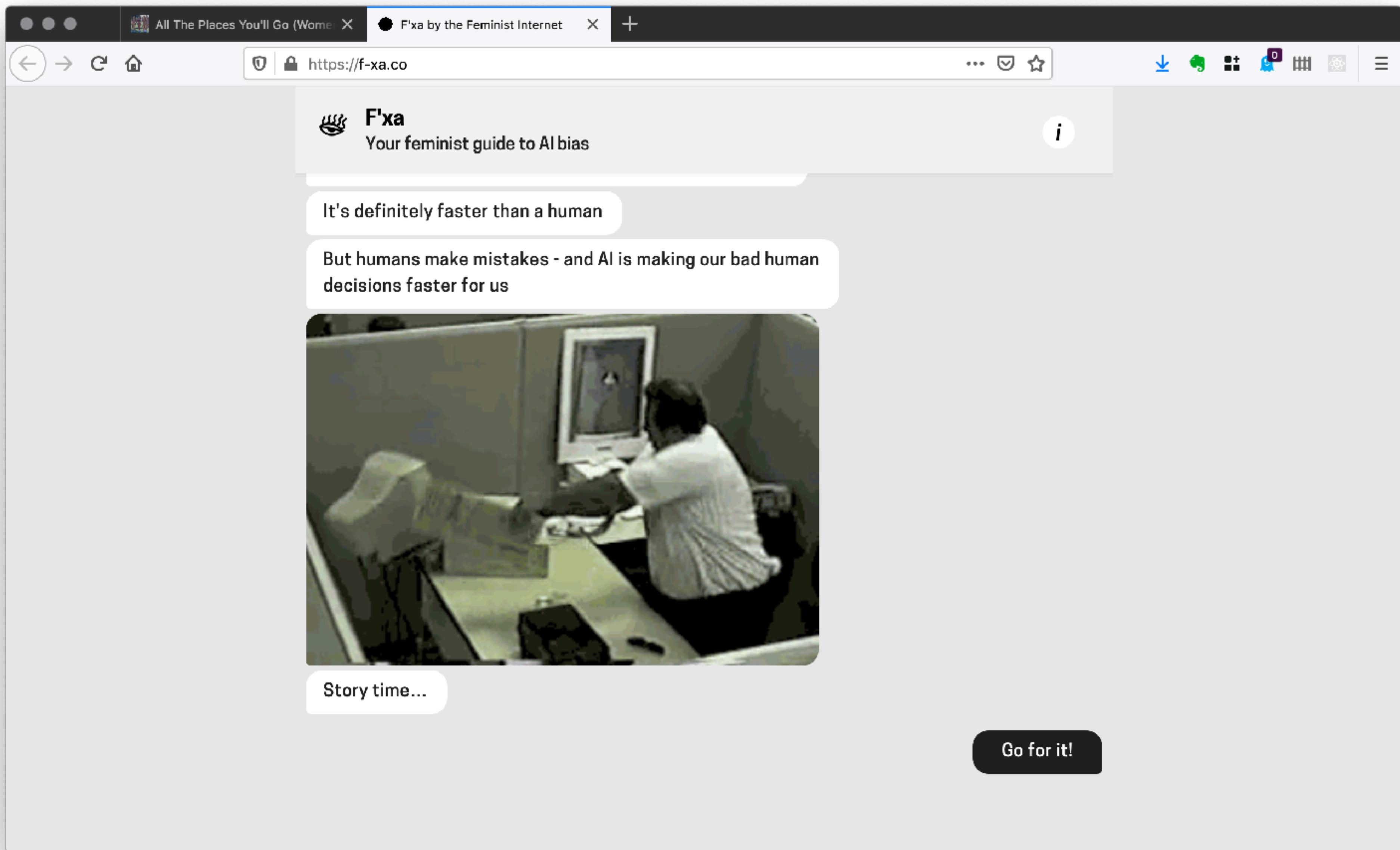
**DEADLINE*:
08/03/21**

*** For Brief 1 + 2, together**

**Your responses to both
briefs should be quick,
personal & experimental.**

The aim is not to become
a super programmer, but
to explore the tools of the
web as an expressive part
of design practice.

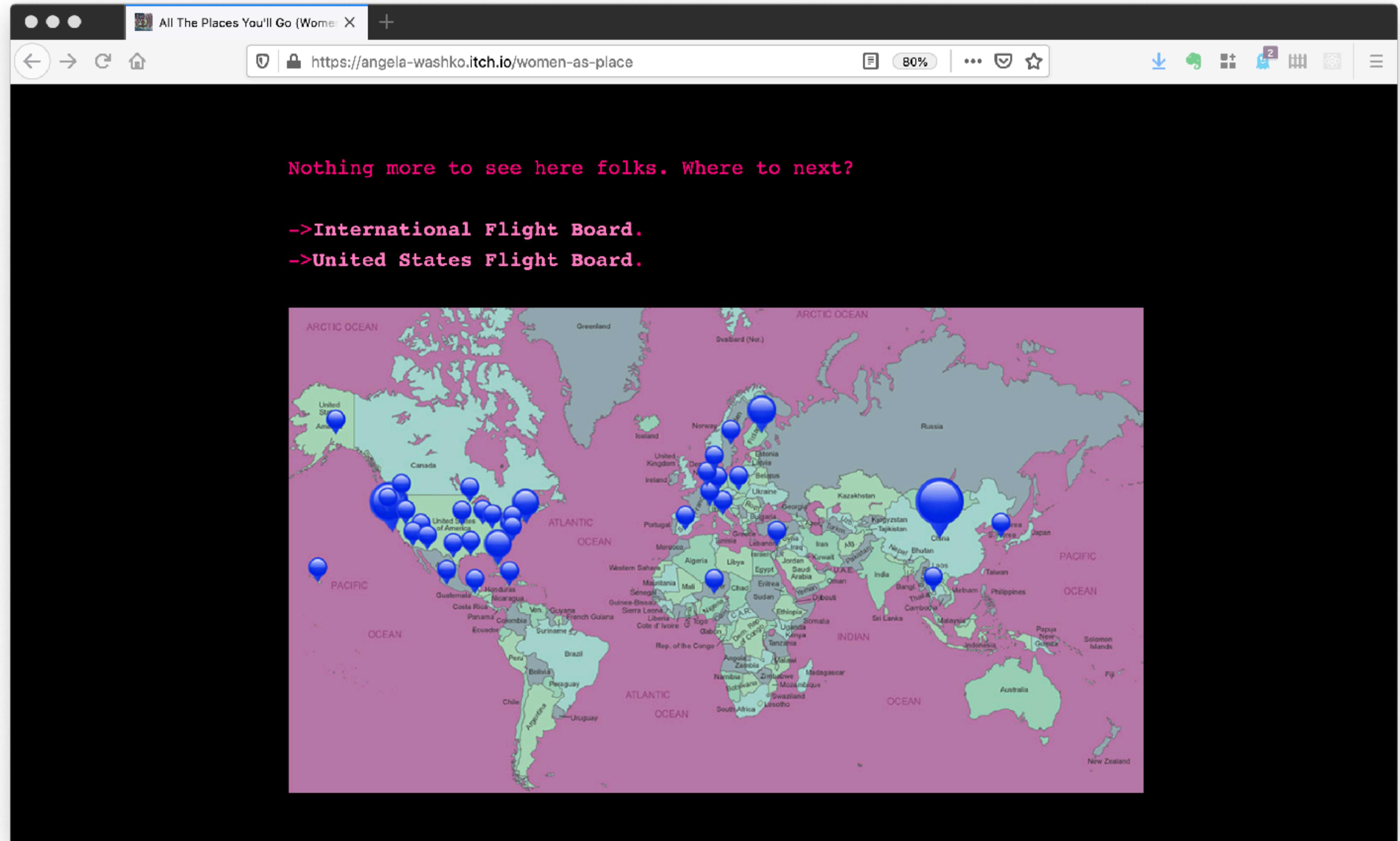
BRIEF 1: REFERENCES + EXAMPLES



Your feminist guide to AI bias

The Feminist Internet

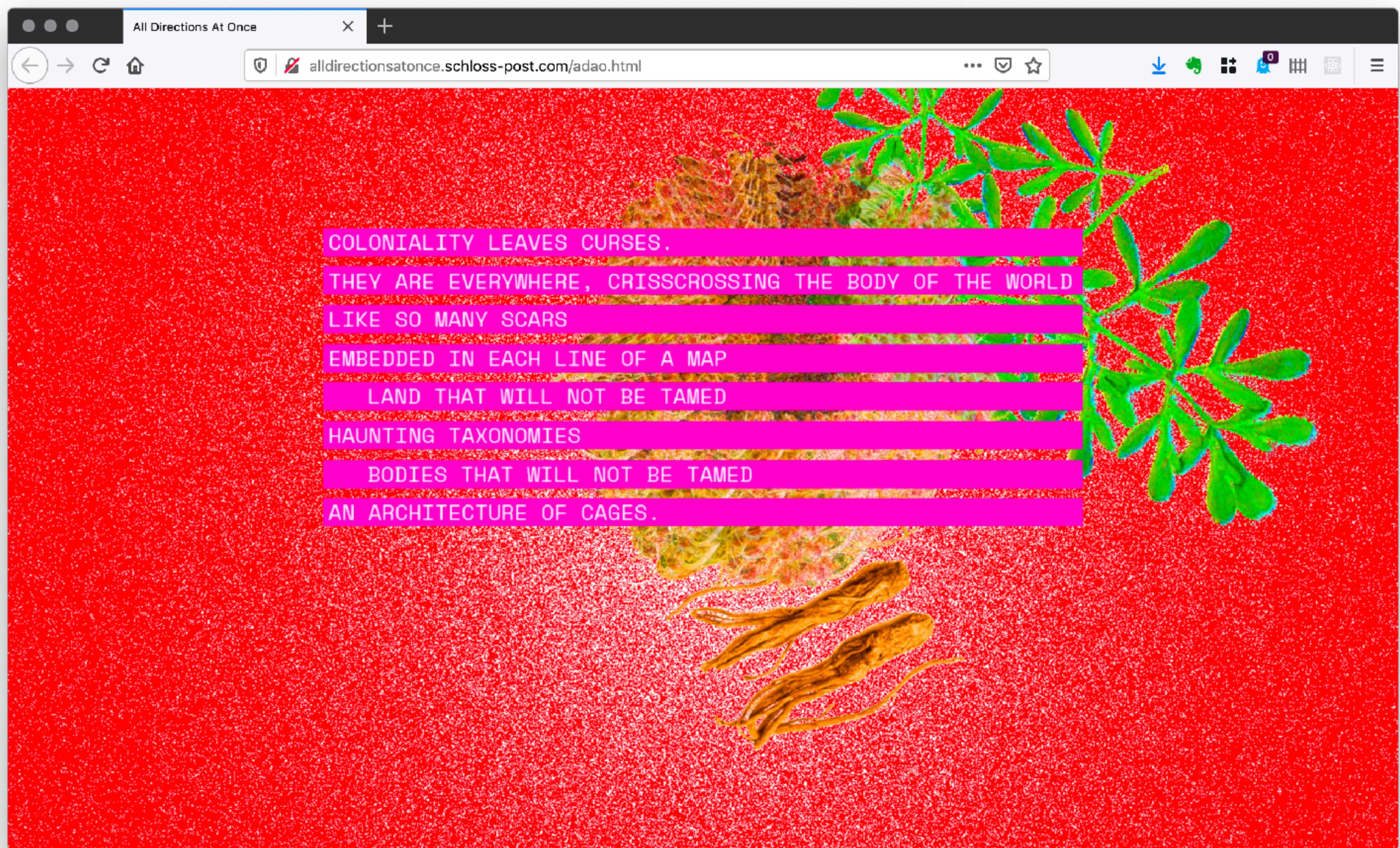
<https://f-xa.co/>



Woman as Place

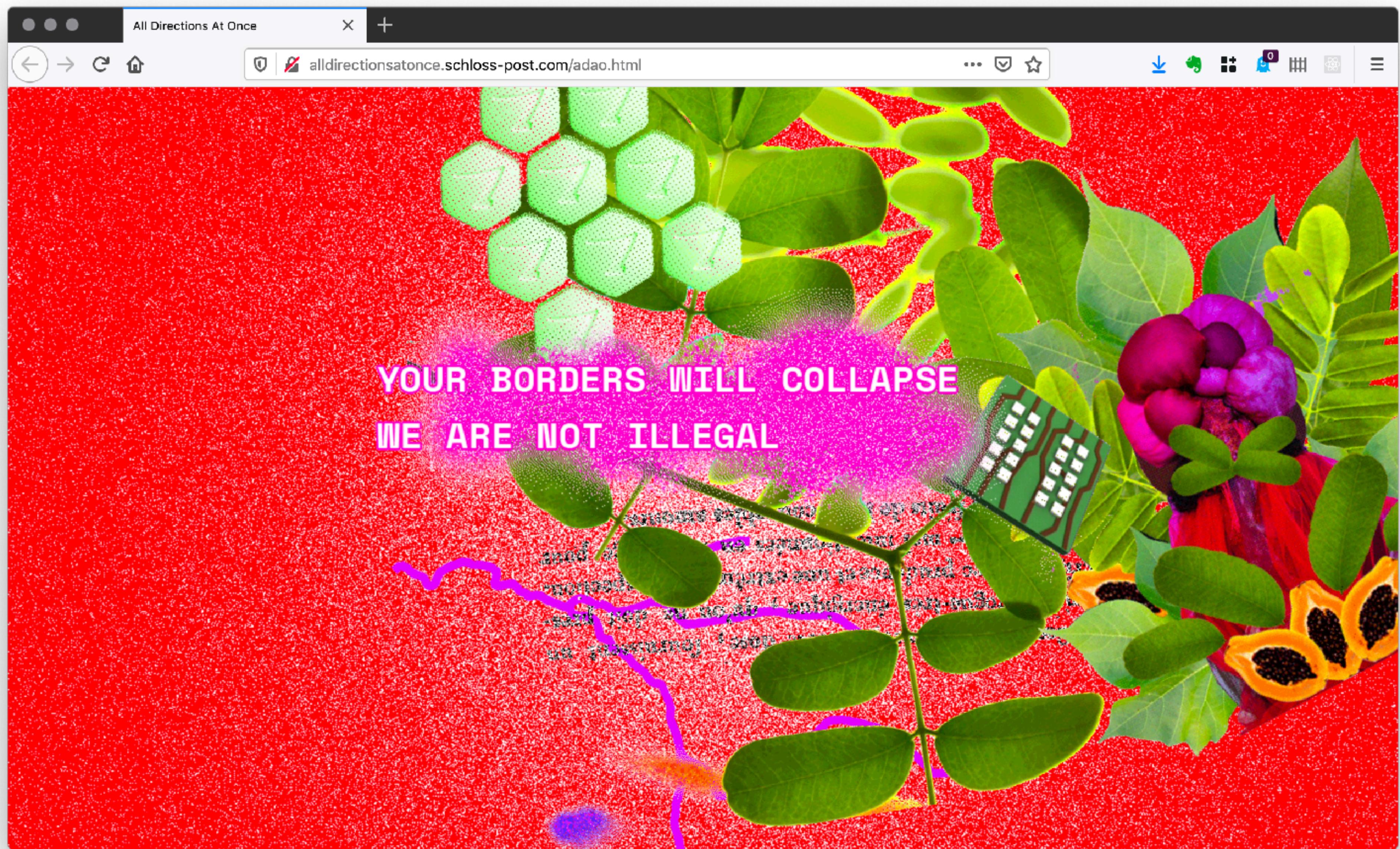
Angela Washko

<https://angela-washko.itch.io/women-as-place>



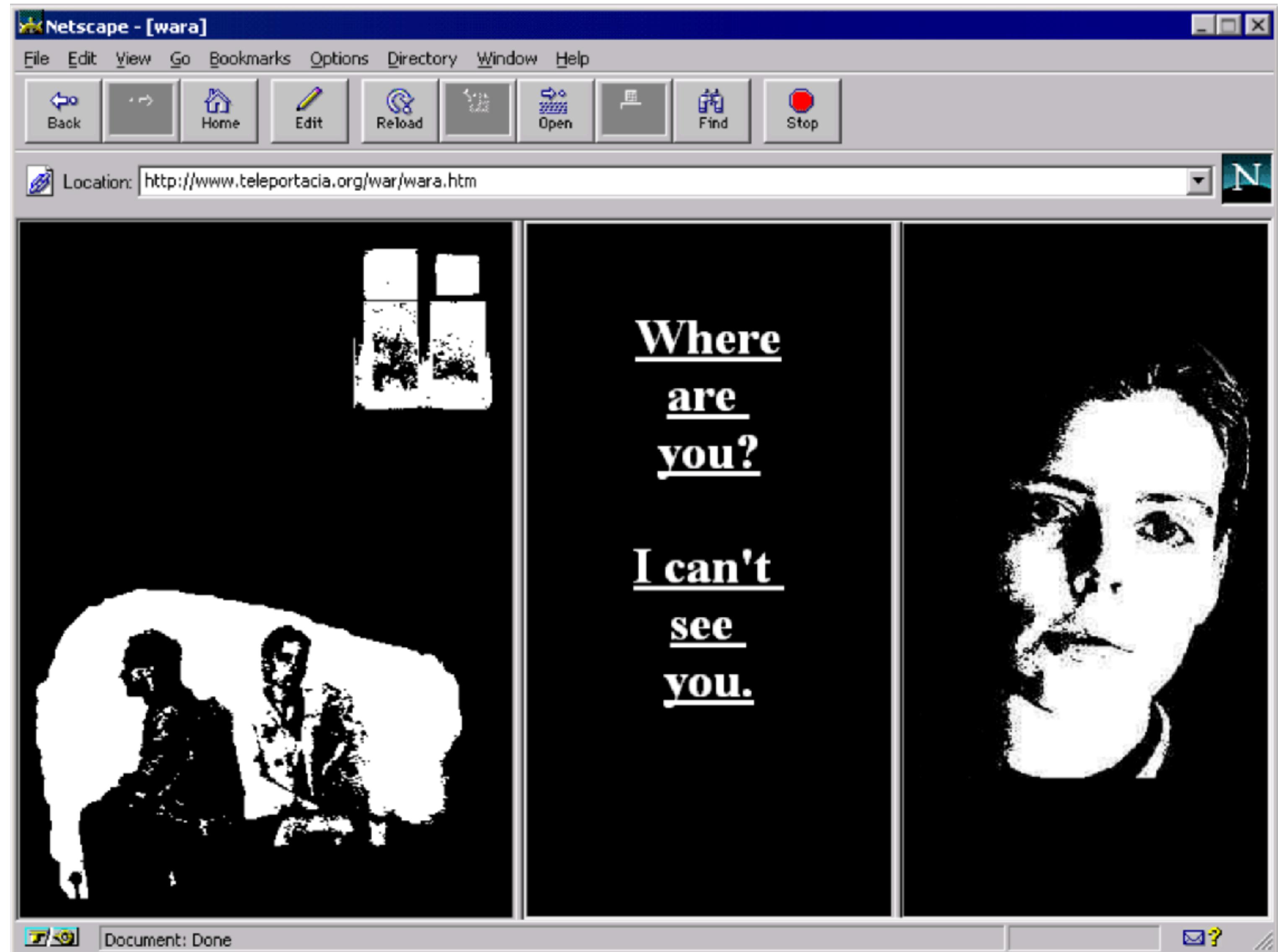
All Directions At Once
Luiza Prado

<http://alldirectionsatonce.schloss-post.com/adao.html>



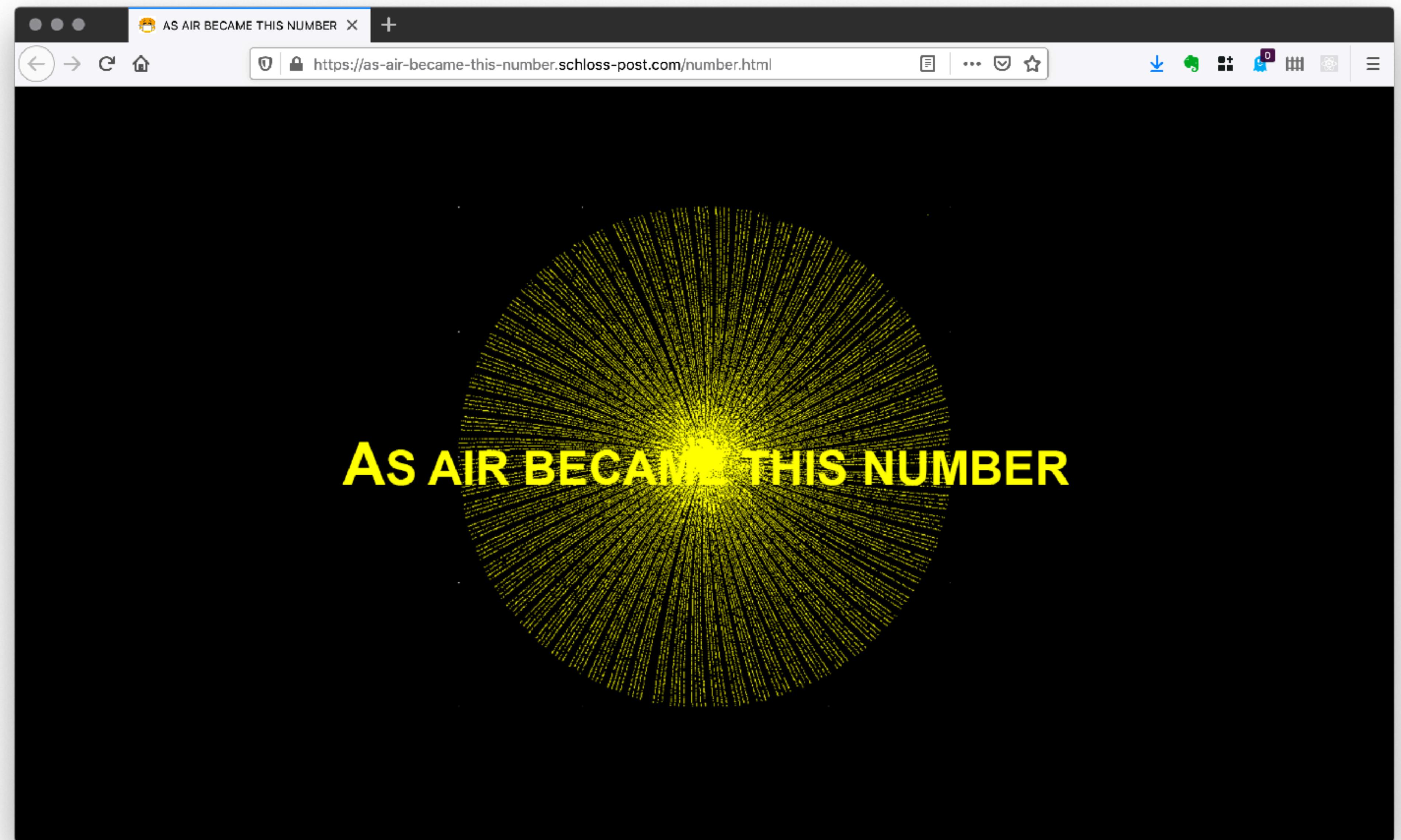
All Directions At Once
Luiza Prado

<http://alldirectionsatonce.schloss-post.com/adao.html>



My Boyfriend Came Back From The War Olia Lialina

<https://anthology.rhizome.org/my-boyfriend-came-back-from-the-war>



As Air Became This Number
Hanna Husberg and Agata Marzecova

<https://as-air-became-this-number.schloss-post.com/>

BREAK

Remember, you can ask questions at:
<https://www.menti.com/gxsk8tjqj2>

I'll answer them all after the break.

ANSWERS

To questions asked at:

<https://www.menti.com/gxsk8tjqj2>

And any others :)

WORKSHOP: HYPERTEXT NARRATIVE

BA (Hons)
User Experience Design

WORKSHOP: HYPERTEXT NARRATIVE

DOWNLOAD:

<https://uxd-lcc.org/resources/sessions/basic-website.zip>

WHAT IS HYPERTEXT?

Text (typically on screen) that contains references or links to other texts that can be immediately accessed.

Interlinked, potentially nonlinear or multilinear texts.

WHAT IS HYPERTEXT?

In practice, it's not just text displayed.
There may be images, videos or other
interactive elements.

It can also be called interactive
media, hypermedia, etc.

Can you think of an example of hypertext?

**HYPERTEXT IS A
KEY PART OF WEBSITES.**

**IT MAKES THE
WEB A WEB**

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https://www.bbc.co.uk

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Welcome to the BBC



● **LIVE England restrictions to be lifted in stages, says PM**

UK



Prince Philip, 99, in hospital 'as a precaution'

UK



Banksy artwork removed and sold for 'six figures'

England

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<https://www.bbc.co.uk/news/live/uk-56095941>

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Welcome to the BBC



A photograph of a man in a dark suit and tie walking away from the camera in a wet, urban square. He is holding a black umbrella. In the background, there's a large digital billboard displaying various advertisements, including one for 'STAY HOME PROTECT THE NHS SAVE LIVES'. To the left, there's a classical statue on a pedestal and a building with a green dome. The ground is reflective due to rain.

LIVE England restrictions to be lifted in stages, says PM

UK



A close-up portrait of Prince Philip, Duke of Edinburgh, smiling warmly at the camera. He has white hair and is wearing a dark suit jacket over a white shirt.

Prince Philip, 99, in hospital 'as a precaution'

UK



A photograph of a Banksy mural on a brick wall. It depicts a young girl in a dark coat and skirt, hula hooping with a hula hoop. A bicycle is leaning against a metal pole next to the wall. The artwork is a classic Banksy style with its signature rough edges and spray-painted texture.

Banksy artwork removed and sold for 'six figures'

England

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PM to focus on 'data not dates' in lockdown easing

The lifting of England's restrictions must be "cautious and prudent", Boris Johnson says.

1h | UK | 🔍

- When will lockdown rules be reviewed?
- When will children return to school?
- How will we know if the vaccine is working?



LIVE
England restrictions to be lifted in stages - PM

- 3m This has got to be the final lockdown' - Labour
- 16m China stays Covid free during the holidays
- 30m Quarantine hotel rooms are 'like a prison'



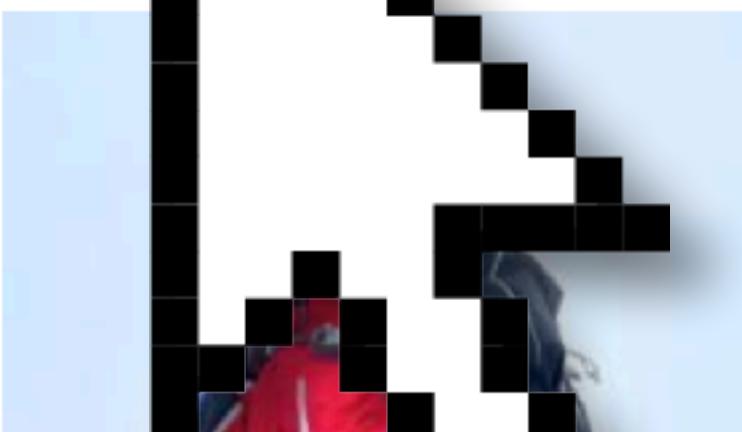
Prince Philip, 99, in hospital 'as a precaution'



Coronavirus: Evening update
Five things you need to know about



UN to raise Princess Latifa case with UAE



Injured mountain rescuer appeal raises £500,000

Grenfell cladding firm gave fire test 'half-truth'

1h | UK

World's first human Covid trials to start in UK

4h | Health | 🔍

Banksy artwork removed and sold for 'six figures'

3h | Nottingham

Seven symptoms 'should trigger Covid test'

7h | Health | 🔍

'Horrific' trolling hidden from Capt Sir Tom Moore

8h | Beds, Herts & Bucks

Deaths mount as US storm causes major power cuts

20m | US & Canada

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- When will lockdown rules be reviewed?
- When will children return to school?
- How will we know if the vaccine is working?



LIVE
England restrictions to be lifted in stages

3m This has given us time to finalise our plans

16m China starts Covid free zones during the holidays

30m Quarantine hotel rooms are 'like a prison'

Grenfell cladding firm gave fire test 'half-truth'

1h | UK

world's first human Covid trials to start in UK

4h | Health | 🔍

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Prince Philip, 99, in hospital

Coronavirus: Evening update

UN to raise Princess Latifa case with UAE

Injured mountain rescuer appeal raises £500,000

https://www.bbc.co.uk/news/entertainment_and_arts /e things you need to know about

Entertainment & Arts - BBC News

https://www.bbc.co.uk/news/entertainment_and_arts

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NEWS

Entertainment & Arts



'Indecent proposals were the norm in music biz'
Former pop star Glenn Medeiros says many fellow performers were pressured into sex to get ahead.
🕒 11h | Entertainment & Arts |

National Theatre shelves Europe tours after Brexit
The venue says a "lack of clarity" about visas and permits makes such tours "not financially viable".
🕒 2h | Entertainment & Arts |

Bridgerton star cast in Dungeons & Dragons movie
Regé-Jean Page is to play the lead role in the fantasy film, based on the board game.
🕒 2h | Entertainment & Arts |



Widow contests Larry King's handwritten will



Actress sacked for anti-gay post loses legal fight



Over-75s 'given time' to pay BBC licence fee

[Banksy artwork removed and sold for 'six figures'](#)

The "slab of brick" was removed from the... beauty salon in the early hours.

🕒 3h | Nottingham

- [Mystery of missing Banksy bike](#)

<https://www.bbc.co.uk/news/uk-england-nottinghamshire-56110200>

Banksy: Hula-hooping girl removed X +

https://www.bbc.co.uk/news/uk-england-nottinghamshire-56096918

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NEWS

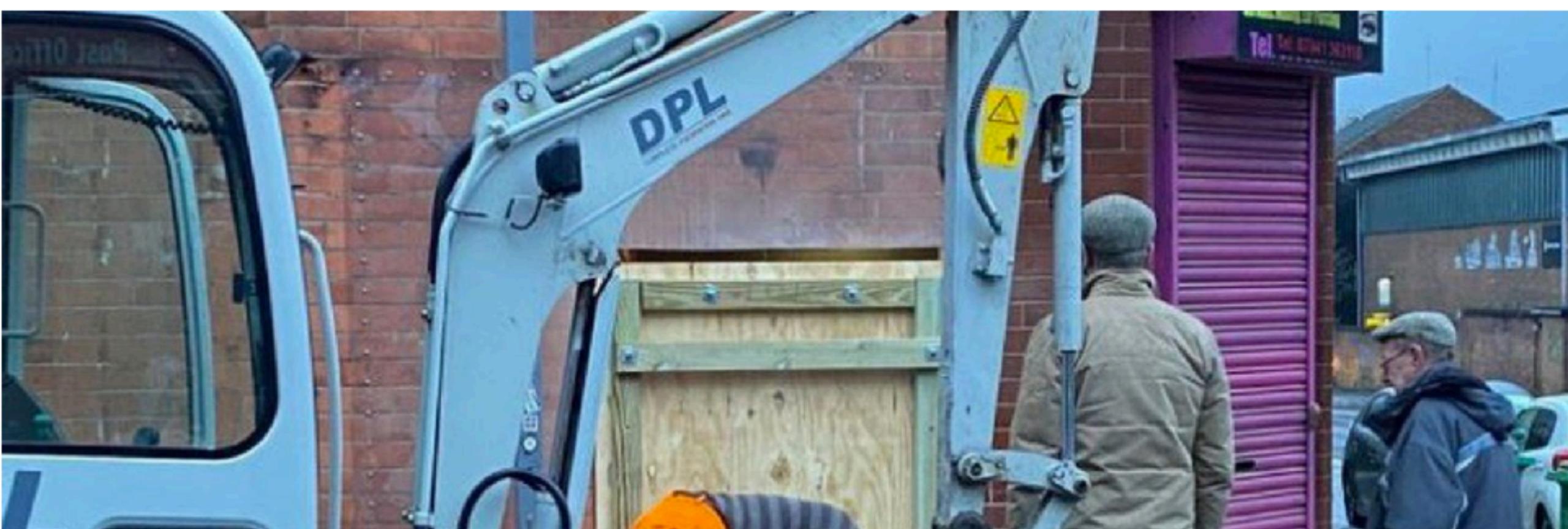
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England | Local News | Regions | Nottingham

Banksy: Hula-hooping girl removed and sold for 'six figures'

2 hours ago

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Top Stories

PM to focus on 'data not dates' in lockdown easing
The lifting of England's restrictions must be "cautious and prudent", Boris Johnson says.

39 minutes ago

England restrictions to be lifted in stages - PM
9 hours ago

Prince Philip, 99, in hospital 'as a precaution'
50 minutes ago

HOW DO WE CREATE HYPERTEXT?

We create 'pages', typically a series of separate files, and link them together. This linking can go in multiple directions.

HOW DO WE CREATE HYPERTEXT?

**We do this by creating .html files and
adding HTML - hypertext markup language.**

**These are then interpreted by
web browsers like Firefox.**

WHAT IS HTML?

As a markup language, HTML is something you apply to different pieces of content, like annotations or instructions to a computer to add meaning.

These annotations take the form of tags.

WHAT IS HTML?

Tags are typically pairs of words contained within angle brackets. They go around content such as text:

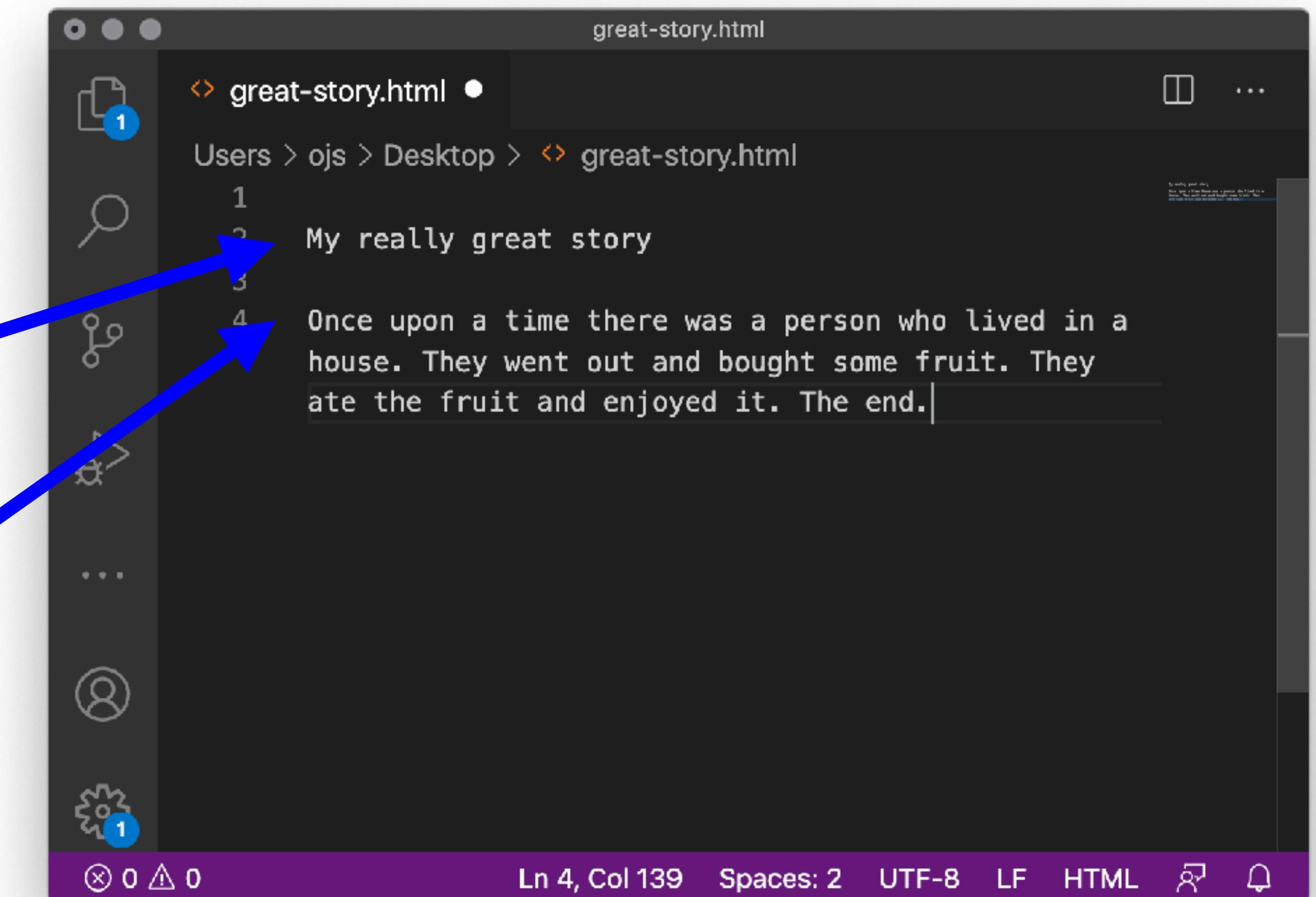
```
<tag>  
    content  
</tag>
```

WHAT IS HTML?

So, for example, if I had a piece of writing like this:

Title

Text



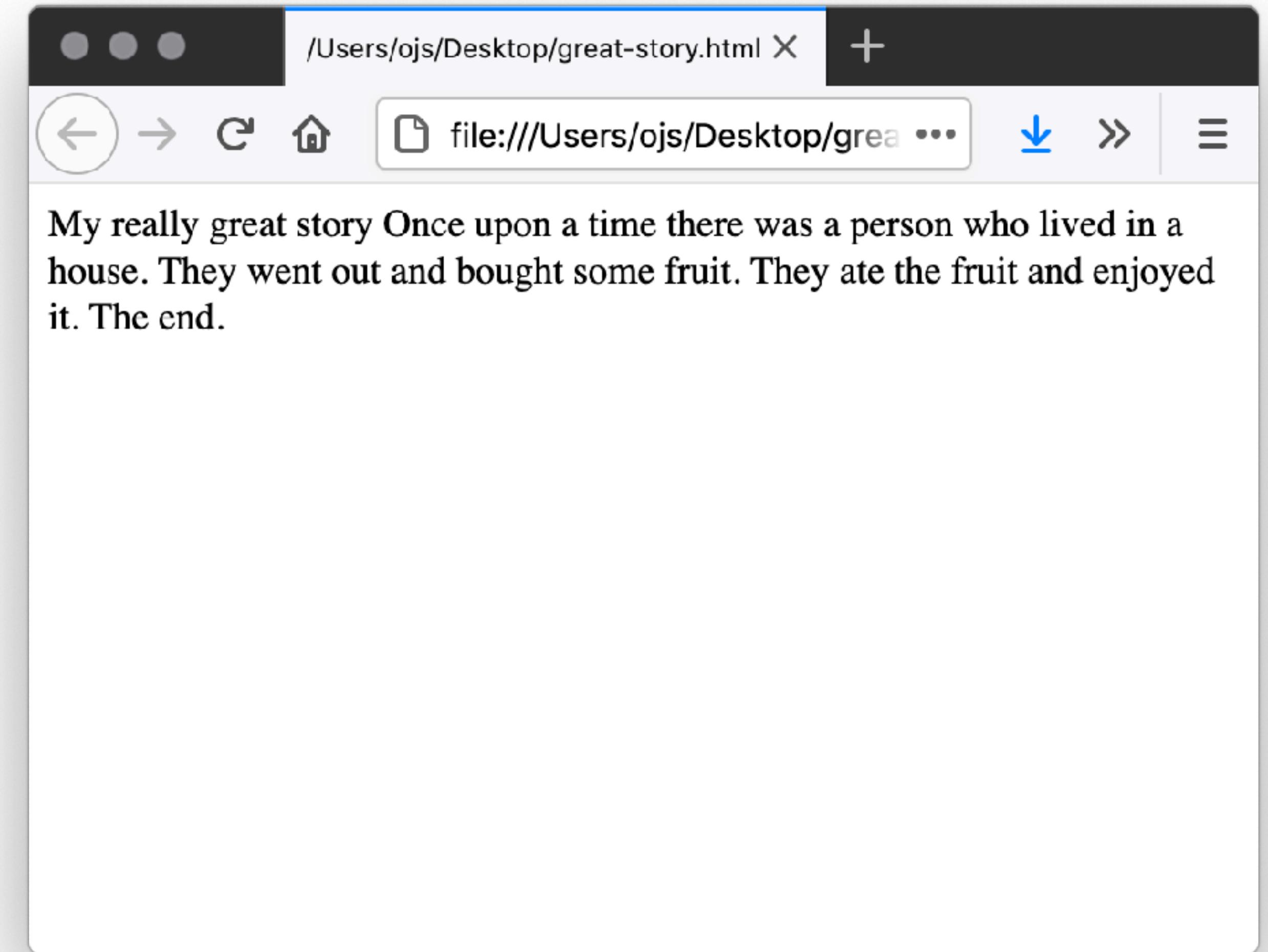
```
great-story.html
great-story.html
Users > ojs > Desktop > great-story.html
1
2 My really great story
3
4 Once upon a time there was a person who lived in a
house. They went out and bought some fruit. They
ate the fruit and enjoyed it. The end.
```

The screenshot shows a code editor window titled "great-story.html". The file path is "Users > ojs > Desktop > great-story.html". The content of the file is numbered 1 through 4:
1
2 My really great story
3
4 Once upon a time there was a person who lived in a
house. They went out and bought some fruit. They
ate the fruit and enjoyed it. The end.
A large blue arrow points from the word "Title" to the second line of the file content ("My really great story"). Another large blue arrow points from the word "Text" to the fourth line of the file content (the story). The code editor interface includes a sidebar with icons for file, search, and settings, and a status bar at the bottom showing line count (Ln 4), column count (Col 139), spaces (Spaces: 2), encoding (UTF-8), line separator (LF), and HTML mode.

WHAT IS HTML?

If I open it in the browser,
it would look like this:

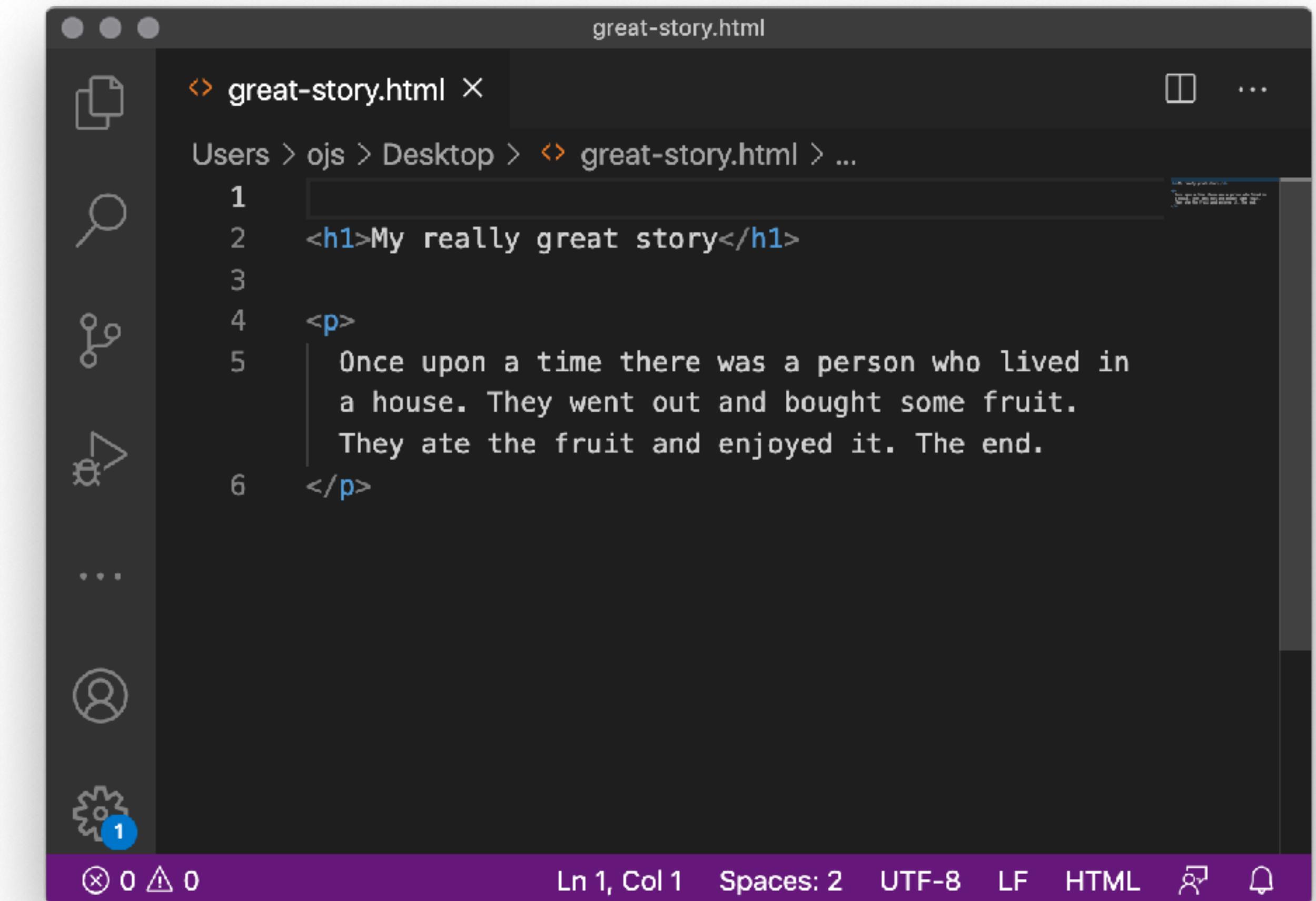
The browser doesn't
understand the difference
between title + text



WHAT IS HTML?

I need to tell the computer that the title is different to the text, and I use HTML to do this.

So, I could wrap the title in an `<h1>` tag and the text in a `<p>` tag.



The screenshot shows a dark-themed code editor window titled "great-story.html". The file path is "Users > ojs > Desktop > great-story.html". The code content is as follows:

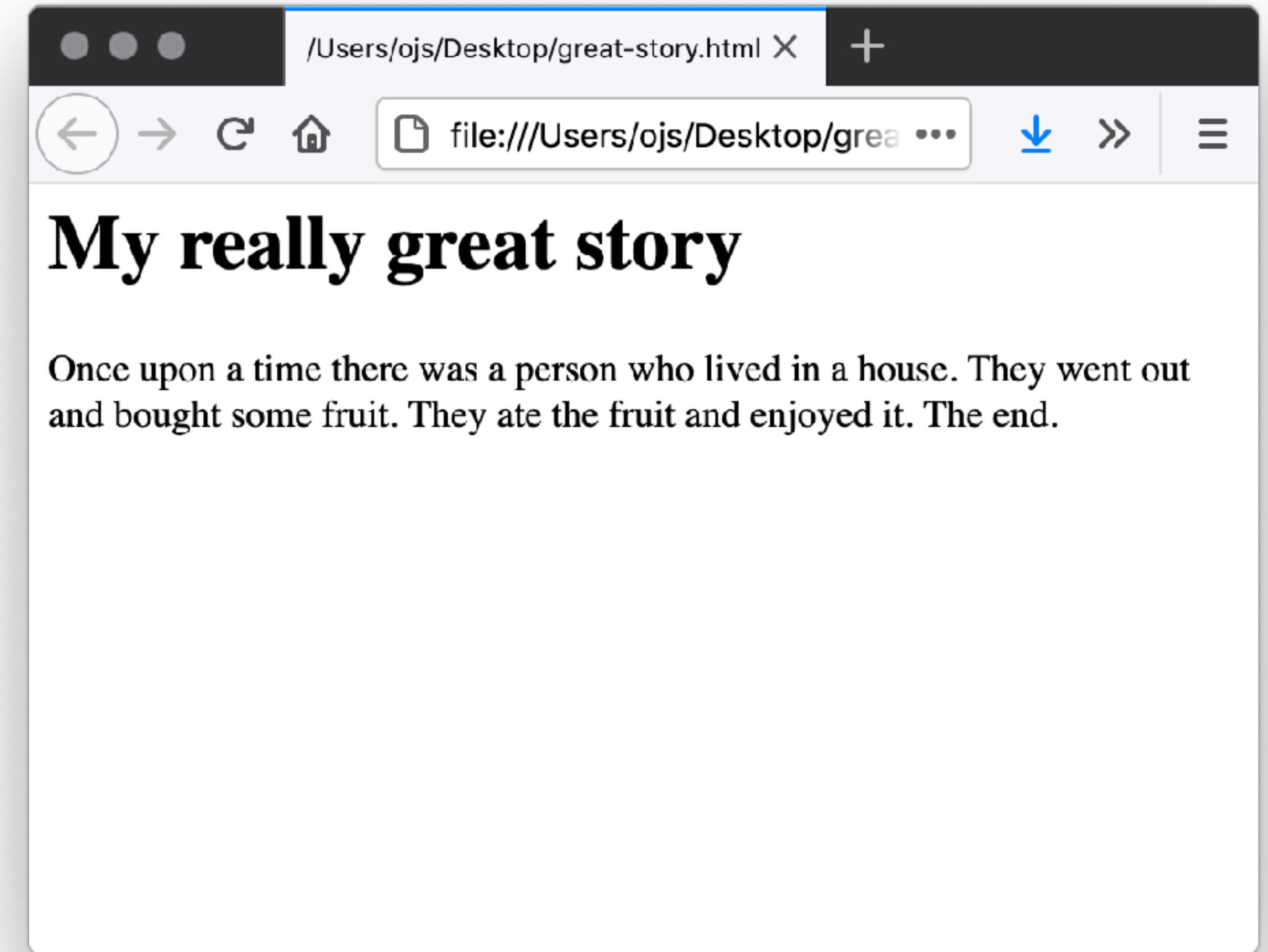
```
1 <h1>My really great story</h1>
2
3
4 <p>
5   Once upon a time there was a person who lived in
6   a house. They went out and bought some fruit.
7   They ate the fruit and enjoyed it. The end.
8 </p>
```

The status bar at the bottom indicates: Line 1, Column 1, Spaces: 2, UTF-8, LF, HTML. There are also icons for file operations, search, and notifications.

WHAT IS HTML?

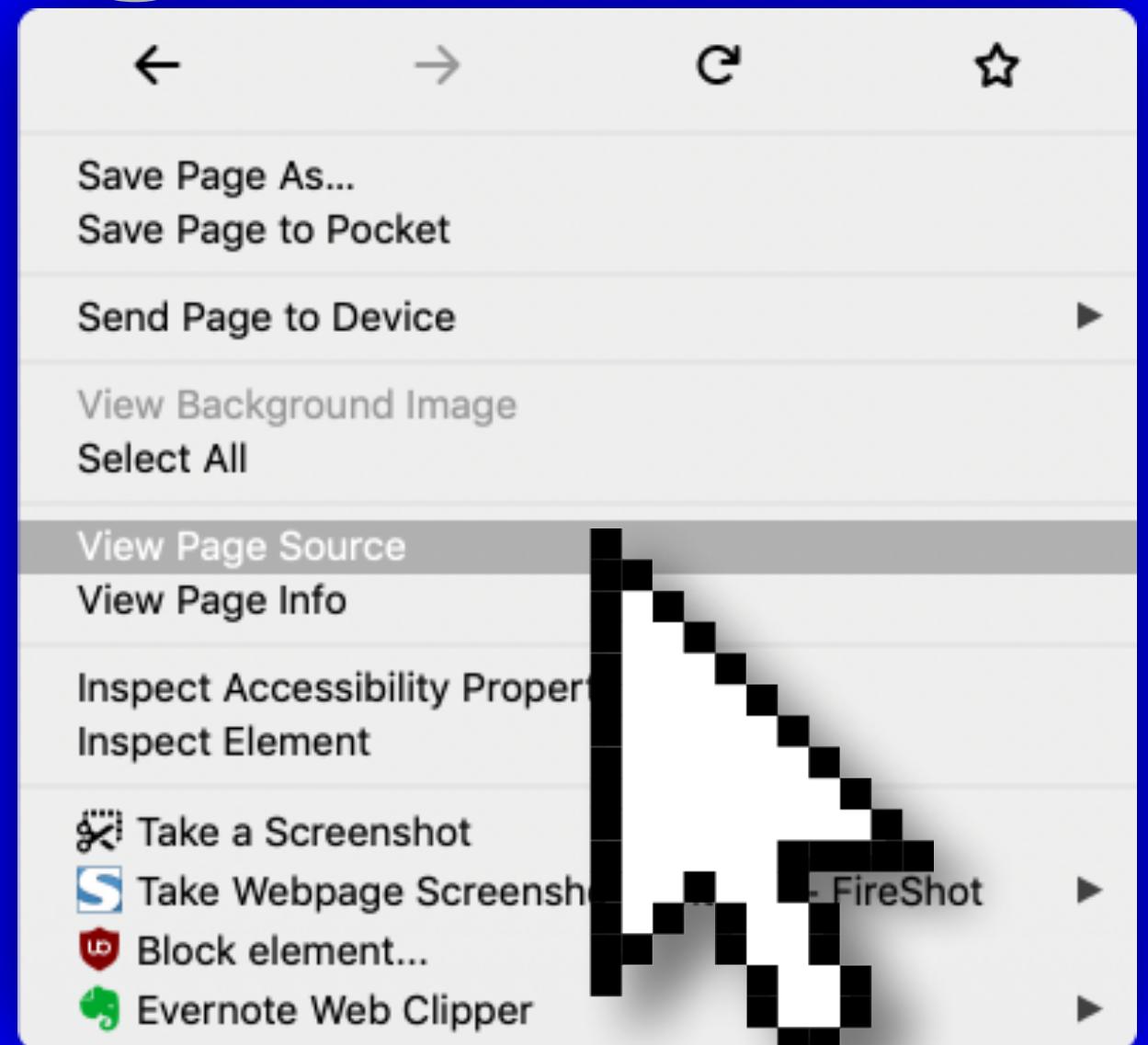
And then, if I open it up. I see this:

That's only 2 tags though, and there's a lot more.



VISIT
<http://all-html.net/>

Right click and select
'View Page Source'



NOW TRY:

<http://one-url-contained-within-every-html-tag-in-alphabetical-order.com/>

These are artworks by
Evan Roth which (mis)use
HTML tags to create
abstract compositions.

HTML TAGS

You can see an alphabetical list of HTML tags at:
<https://www.w3schools.com/tags/default.asp>

Or a list organised by type at:
<https://developer.mozilla.org/en-US/docs/Web/HTML/Element>

You don't need to know them all!

AUTHORING HTML

A web page is just a text file containing HTML tags,
this could be made with a standard text editor.

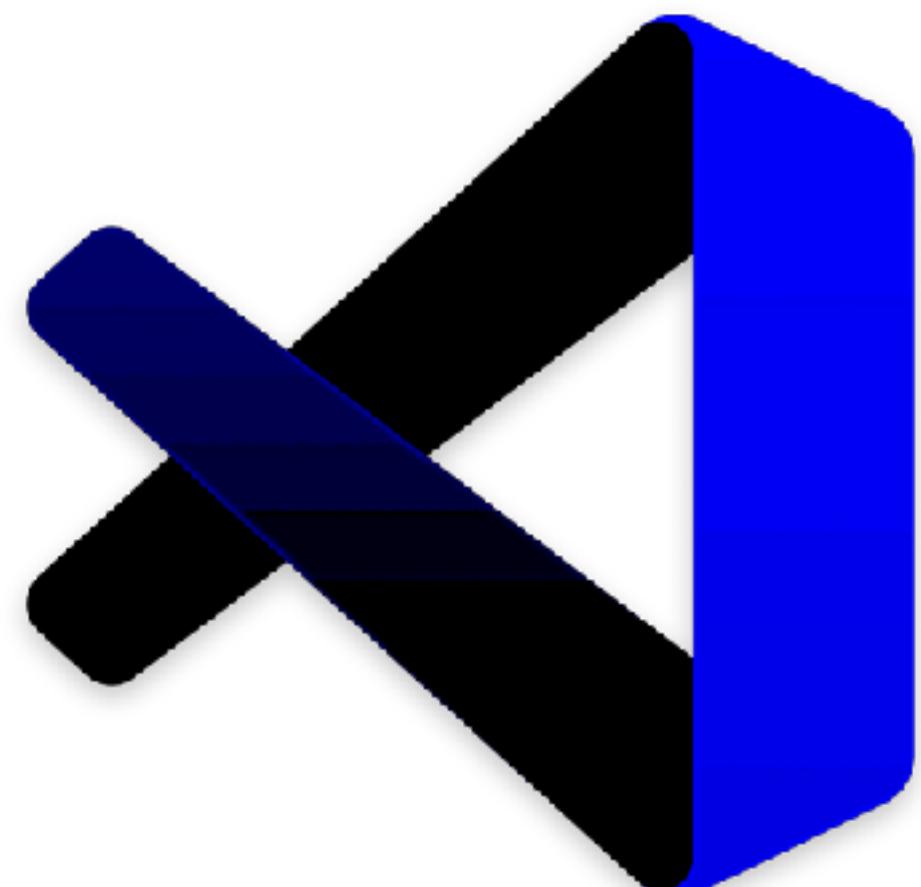
Adding the extension .html lets the browser + OS
understand that this is how it should interpret the
file's contents.

You don't need any special software.

AUTHORING HTML

But special software makes things easier as websites become more complex.

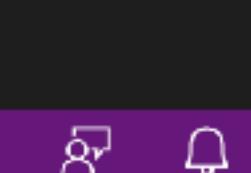
Open Visual Studio Code.





≡ Untitled-1 ×

1



Untitled-1

1 |

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⑧ 0 △ 0

Ln 1, Col 1 Spaces: 2 UTF-8 LF Plain Text ⌂ ⌂

EXPLORER ...

OPEN EDITORS

Untitled-1

1

NO FOLDER OPENED

You have not yet opened a folder.

Open Folder

You can also clone a repository from a URL. To learn more about how to use git and source control in VS Code [read our docs](#).

Clone Repository

OUTLINE

NPM SCRIPTS

0 0

Ln 1, Col 1 Spaces: 2 UTF-8 LF Plain Text

EXPLORER ...

OPEN EDITORS

Untitled-1

1

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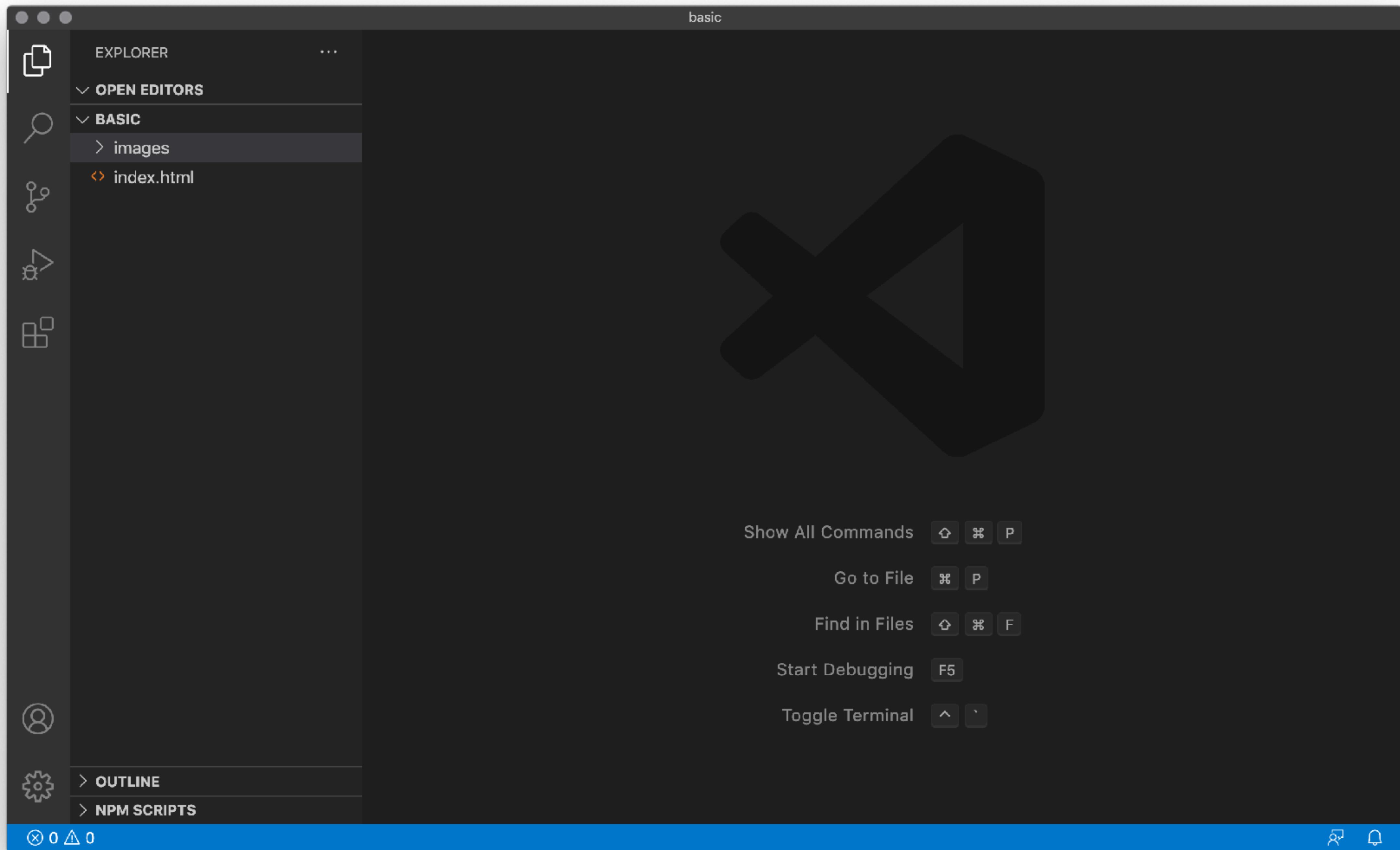
Clone Repository

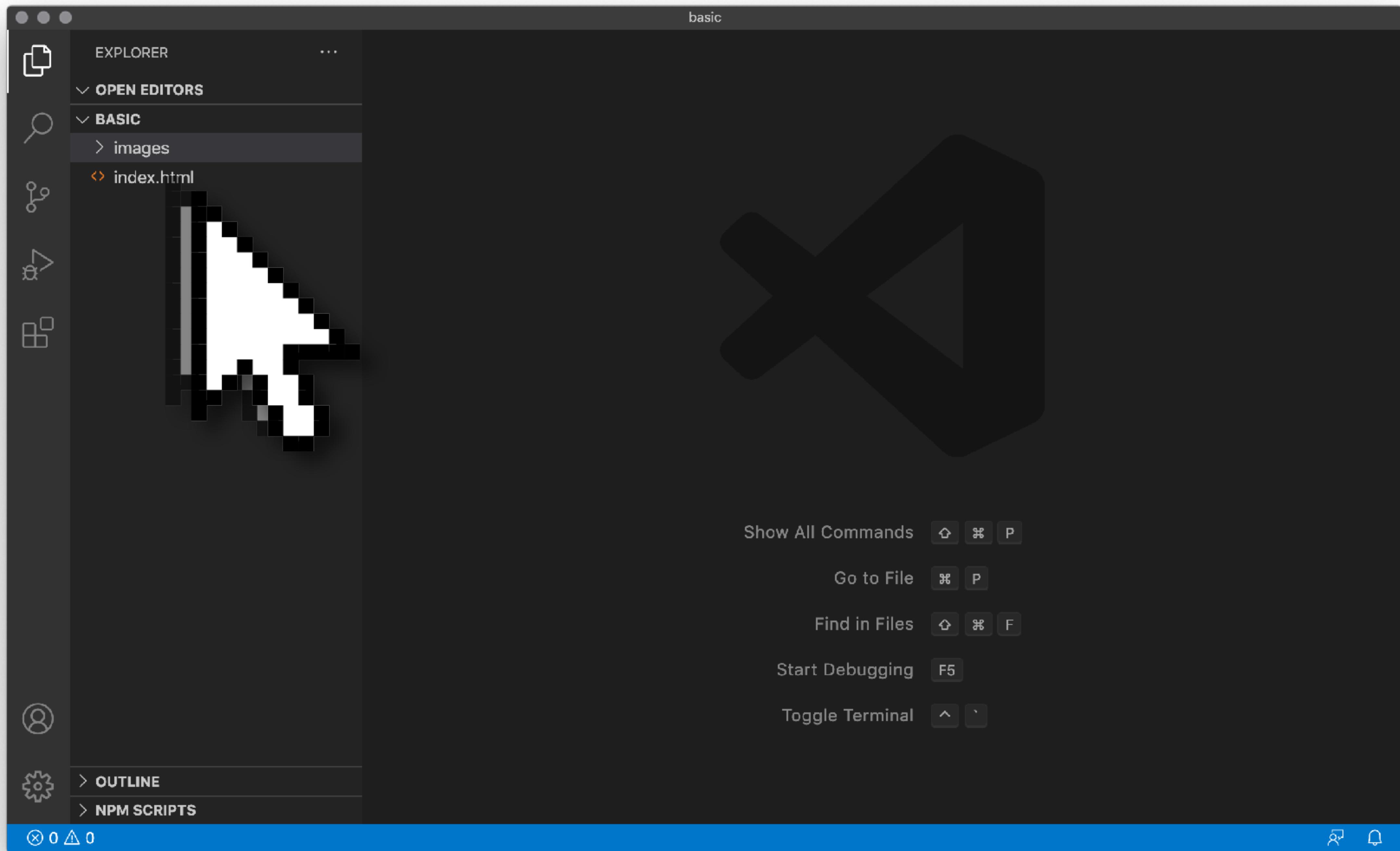
OUTLINE

NPM SCRIPTS

0 0

Ln 1, Col 1 Spaces: 2 UTF-8 LF Plain Text ⚙️ 🔔





index.html — basic

EXPLORER

OPEN EDITORS

index.html

BASIC

images

index.html

index.html X

index.html > html > body

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |  <meta charset="UTF-8">
5  |  <title>Basic Website</title>
6  </head>
7  <body>
8  |  The Carrier Bag Theory of Fiction (Excerpt)
9
10 |  Ursula K. Le Guin
11
12
13 When she was planning the book that ended up as Three Guineas, Virginia Woolf wrote a
14
15 Not just the bottle of gin or wine, but bottle in its older sense of container in gene
16
17 If you haven't got something to put it in, food will escape you – even something as un
18
19 "The first cultural device was probably a recipient.... Many theorizers feel that th
20
21 So says Elizabeth Fisher in Women's Creation (McGraw-Hill, 1975). But no, this cannot
22
23 And yet old. Before – once you think about it, surely long before – the weapon, a late
24 </body>
25 </html>
```

OUTLINE

NPM SCRIPTS

Ln 11, Col 1 Spaces: 2 UTF-8 LF HTML ⚙️ 🔔

<!DOCTYPE Tells the browser what type of file this is in more detail.

```
↳ index.html X
↳ index.html > Ⓛ html > Ⓛ body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  | <meta charset="UTF-8">
5  | <title>Basic Website</title>
6  </head>
7  <body>
8  | The Carrier Bag Theory of Fiction (Exce
9
10 | Ursula K. Le Guin
11 |
12 |
13 | When she was planning the book that end
14 |
15 | Not just the bottle of gin or wine, but
16 |
17 | If you haven't got something to put it
18 |
19 | "The first cultural device was probab
20 |
21 | So says Elizabeth Fisher in Women's Cre
22 |
23 | And yet old. Before – once you think ab
24 </body>
25 </html>
```

<html> Wrapper element around the html we write.

```
<> index.html <  
<> index.html > ◻ html > ◻ body  
1   <!DOCTYPE html>  
2   <html lang="en">  
3     <head>  
4       <meta charset="UTF-8">  
5       <title>Basic Website</title>  
6     </head>  
7     <body>  
8       The Carrier Bag Theory of Fiction (Exce  
9  
10      Ursula K. Le Guin  
11  
12  
13      When she was planning the book that end  
14  
15      Not just the bottle of gin or wine, but  
16  
17      If you haven't got something to put it  
18  
19      "The first cultural device was probab  
20  
21      So says Elizabeth Fisher in Women's Cre  
22  
23      And yet old. Before – once you think ab  
24    </body>  
25  </html>
```

<head> Configuration and meta data about the page.

index.html — basic

```
↳ index.html X  
↳ index.html > Ⓛ html > Ⓛ body  
1   <!DOCTYPE html>  
2   <html lang="en">  
3   | <head>  
4   |   | <meta charset="UTF-8">  
5   |   | <title>Basic Website</title>  
6   | </head>  
7   | <body>  
8   |   | The Carrier Bag Theory of Fiction (Exce  
9   |   |  
10  |   | Ursula K. Le Guin  
11  |   |  
12  |   |  
13  |   | When she was planning the book that end  
14  |   |  
15  |   | Not just the bottle of gin or wine, but  
16  |   |  
17  |   | If you haven't got something to put it  
18  |   |  
19  |   | "The first cultural device was probab  
20  |   |  
21  |   | So says Elizabeth Fisher in Women's Cre  
22  |   |  
23  |   | And yet old. Before – once you think ab  
24  | </body>  
25  | </html>
```

<body> The HTML and content that will be displayed

index.html — basic

```
↳ index.html ×  
↳ index.html > Ⓛ html > Ⓛ body  
1   <!DOCTYPE html>  
2   <html lang="en">  
3   <head>  
4     <meta charset="UTF-8">  
5     <title>Basic Website</title>  
6   </head>  
7   <body>  
8     The Carrier Bag Theory of Fiction (Exce  
9  
10    Ursula K. Le Guin  
11  
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13    When she was planning the book that end  
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19    "The first cultural device was probab  
20  
21    So says Elizabeth Fisher in Women's Cre  
22  
23    And yet old. Before – once you think ab  
24  </body>  
25  </html>
```

<!DOCTYPE Tells the browser what type of file this is in more detail.

<html> Wrapper element around the html we write.

<head> Configuration and meta data about the page.

<body> The HTML and content that will be displayed

```
<> index.html <  
<> index.html > ◻ html > ◻ body  
1   <!DOCTYPE html>  
2   <html lang="en">  
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4       <meta charset="UTF-8">  
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16  
17      If you haven't got something to put it  
18  
19      "The first cultural device was probab  
20  
21      So says Elizabeth Fisher in Women's Cre  
22  
23      And yet old. Before – once you think ab  
24    </body>  
25  </html>
```

VIEWING HTML

For simple pages, we can just open the .html file in our web browser.

Right click on index.html in Finder/Explorer and open it with Firefox.

Back in Visual Studio Code, add the following line somewhere between <body> and </body>:

```

```

Save index.html and refresh the tab in Firefox.

**** tags allow you to include images. These pull in an image file that is on your computer/server or at a URL.

You tell them where the file is with the **src**.

<A>

Now add this:

```
<a href="https://tinyurl.com/  
bagtheories">Full Text</a>
```

Save index.html and refresh the tab in Firefox.

<A>

**<a> tags allow you to link to another page
on your computer/server or at a URL.**

**You set where they will take the user with
the href.**

TASK

1. Create a second .html file called new.html
2. Add doctype, html, head and body
3. Add images and text, customise them.
4. Add a link from index.html to new.html
5. Add a link from new.html to index.html

MORE TAGS TO TRY

Try wrapping lines or blocks of text in these:

<p>
<h1> <h2> <h3> <h4>
<blockquote>
<pre>

Try wrapping words in these:

 <mark>
 <small> <sub>
<sup>

Use this to add line spaces:

