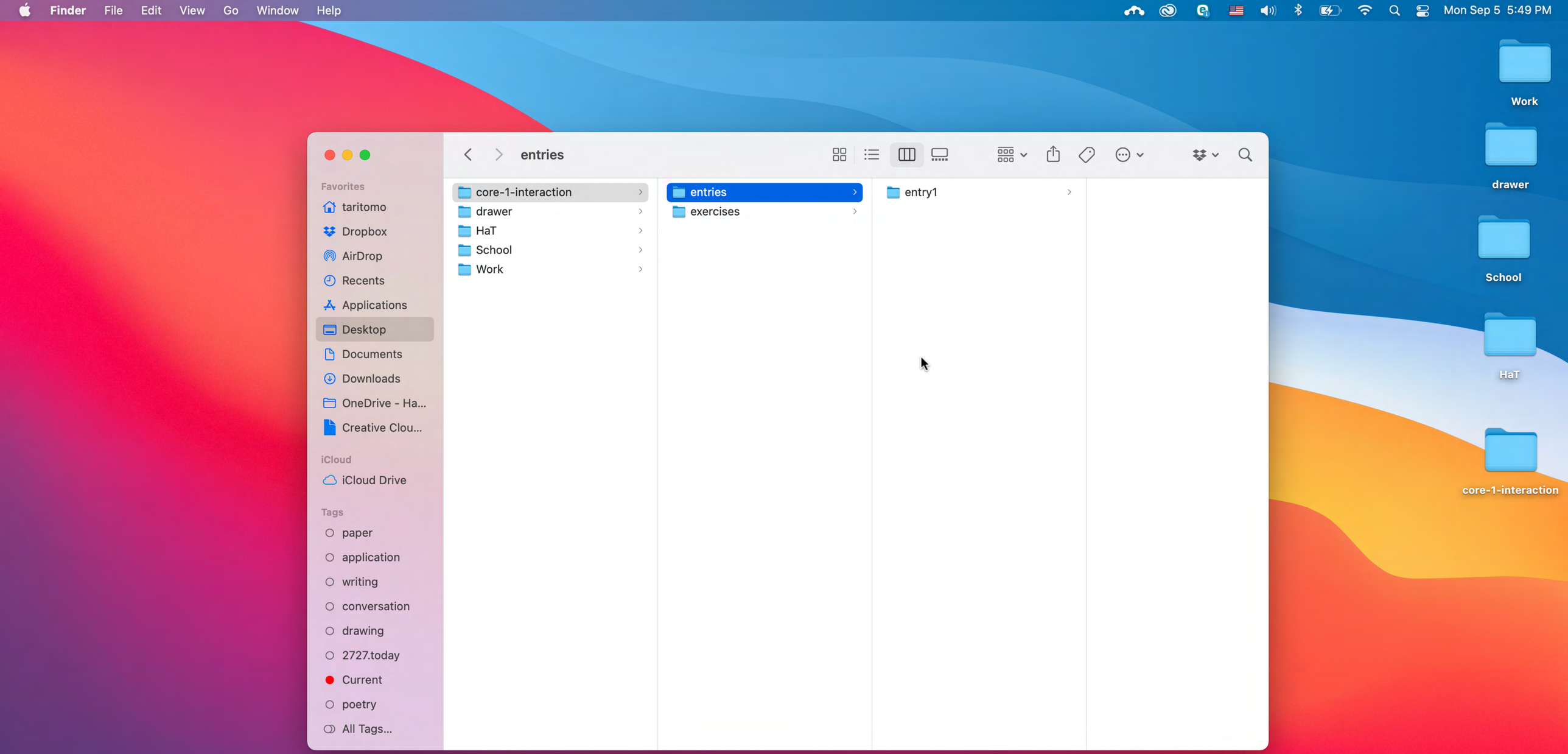
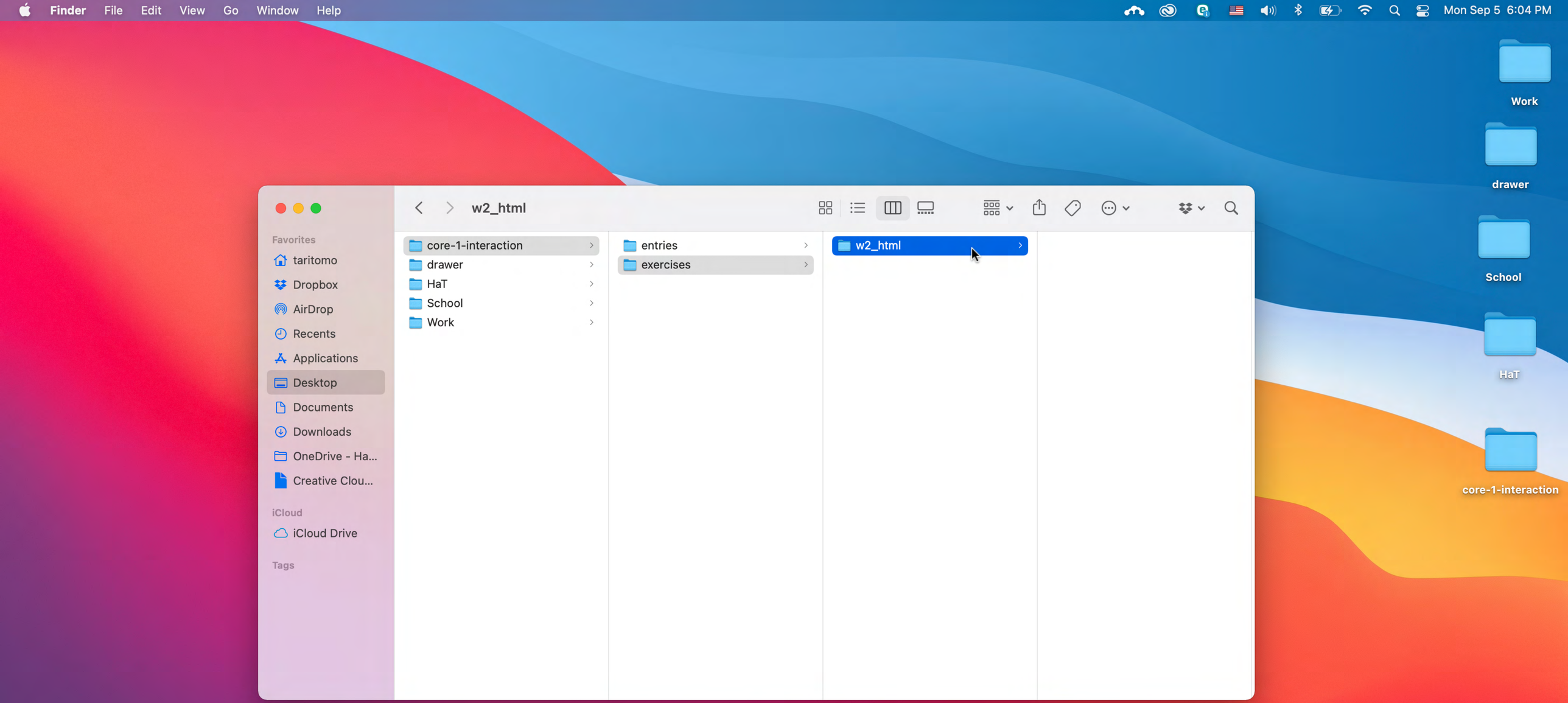


Here's a folder structure we can use for this semester.



And for class today, let's make the folder core-1-interaction/exercises/w2_html

Safari File Edit View History Bookmarks Develop Window Help

Mon Sep 5 6:09 PM

sublimetext.com

Sublime Text

Download Buy Support | News Forum

Text Editing, Done Right

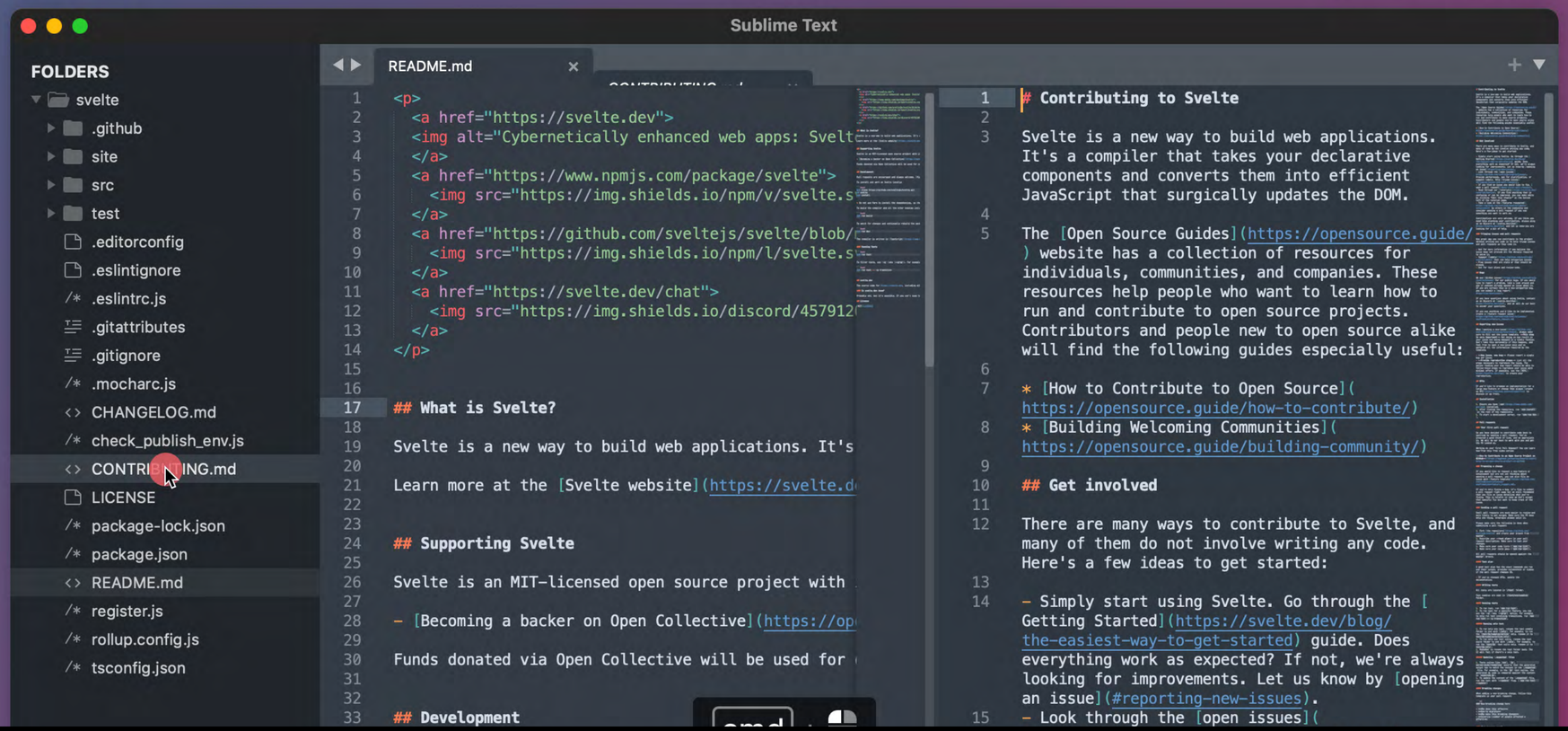
DOWNLOAD FOR MAC

Sublime Text 4 *(Build 4126)*

See What's New

Dark Light

Linux Mac Windows



Install Sublime text editor at sublimetext.com

Finder File Edit View Go Window Help

Mon Sep 5 6:06 PM

sublimetext.com

Sublime Text

Download Buy Support News

Downloads Clear

Sublime Text
44 MB

Downloads

Search

Favorites
taritomo
Dropbox
AirDrop
Recents
Applications
Desktop
Documents
Downloads
OneDrive - Ha...
Creative Clou...

iCloud
iCloud Drive

Tags

Name	Date Modified	Size	Kind	Date Added
20210730-sss-nuxt-static	Mar 28, 2022 at 12:05 PM	--	Folder	Mar 28, 2022 at 12:04
dist.zip	Mar 28, 2022 at 12:04 PM	747 KB	ZIP archive	Mar 28, 2022 at 12:04
20210730-sss-nuxt-static.zip	Mar 28, 2022 at 12:04 PM	744 KB	ZIP archive	Mar 28, 2022 at 12:04
SSS_Infrastructure_0322.numbers	Mar 3, 2022 at 10:12 AM	192 KB	Numbers	Mar 3, 2022 at 9:48 AM
IMG_8382.jpg	Mar 1, 2022 at 6:48 PM	3 MB	JPEG image	Mar 1, 2022 at 6:48 PM
Natural Histories, RR3 (1).pdf	Feb 9, 2022 at 3:06 AM	72 KB	PDF Document	Feb 9, 2022 at 3:06 AM
Natural Histories, RR3.pdf	Feb 9, 2022 at 2:51 AM	72 KB	PDF Document	Feb 9, 2022 at 2:51 AM
HaT DISPATCH (5)	Feb 2, 2022 at 5:18 PM	--	Folder	Feb 2, 2022 at 5:15 PM
HaT DISPATCH.zip	Feb 2, 2022 at 12:03 AM	6 MB	ZIP archive	Feb 2, 2022 at 12:03 AM
IMG_5406.HEIC	Feb 1, 2022 at 9:51 PM	2.7 MB	HEIF Image	Feb 1, 2022 at 9:49 PM
IMG_5394 2.heic	Feb 1, 2022 at 9:45 AM	1.7 MB	HEIF Image	Feb 1, 2022 at 10:33 PM
IMG_5394.heic	Feb 1, 2022 at 9:45 AM	1.7 MB	HEIF Image	Feb 1, 2022 at 9:49 PM
IMG_5404 2.HEIC	Feb 1, 2022 at 9:40 AM	2.6 MB	HEIF Image	Feb 1, 2022 at 10:33 PM
IMG_5404.HEIC	Feb 1, 2022 at 9:40 AM	2.6 MB	HEIF Image	Feb 1, 2022 at 9:49 PM
IMG_5396 2.HEIC	Feb 1, 2022 at 9:40 AM	2.8 MB	HEIF Image	Feb 1, 2022 at 10:33 PM
IMG_7651.HEIC	Jan 30, 2022 at 1:50 AM	2.9 MB	HEIF Image	Jan 30, 2022 at 1:54 AM
IMG_5212.HEIC	Jan 30, 2022 at 12:49 AM	1.6 MB	HEIF Image	Jan 30, 2022 at 12:48 A
Brackets.2...1.signed.dmg	Jan 30, 2022 at 12:45 AM	109.5 MB	Disk Image	Jan 30, 2022 at 12:45 A
IMG_5268.HEIC	Jan 29, 2022 at 10:45 PM	1.5 MB	HEIF Image	Jan 30, 2022 at 12:48 A
IMG_5238.HEIC	Jan 29, 2022 at 10:34 PM	2.6 MB	HEIF Image	Jan 30, 2022 at 12:48 A
IMG_5213.HEIC	Jan 29, 2022 at 9:59 PM	2.5 MB	HEIF Image	Jan 30, 2022 at 12:48 A
IMG_5195.HEIC	Jan 29, 2022 at 9:17 PM	3.1 MB	HEIF Image	Jan 30, 2022 at 1:25 AM
IMG_5191.JPG	Jan 29, 2022 at 6:33 PM	130 KB	JPEG image	Feb 1, 2022 at 10:33 PM
Untitled_Artwo...jpg	Jan 28, 2022 at 10:31 PM	263 KB	JPEG image	Jan 28, 2022 at 10:33 P
syllabus hoardin...fever, archive fatigue.pdf	Jan 22, 2022 at 10:01 PM	126 KB	PDF Document	Jan 22, 2022 at 10:01 P
env	Jan 20, 2022 at 4:27 PM	222 bytes	Plain Text	Jan 20, 2022 at 4:28 P
Sublime Text	Dec 20, 2021 at 10:41 PM	124.1 MB	Application	Today at 6:06 PM
note.notesairdropdocument	Dec 20, 2021 at 7:50 PM	224 bytes	Notes...ocument	Dec 20, 2021 at 7:50 P
dist	Jul 30, 2021 at 1:08 PM	--	Folder	Mar 28, 2022 at 12:05 P
Screen Shot 2020-04-20 at 4.32.15 PM	Apr 20, 2020 at 4:32 PM	220 KB	PNG image	Aug 11, 2022 at 10:13 P
Screen Shot 2020-04-14 at 12.42.39 PM	Apr 14, 2020 at 12:42 PM	142 KB	PNG image	Aug 11, 2022 at 10:13 P

Drag the downloaded file to the Applications folder

Finder File Edit View Go Window Help

Mon Sep 5 6:12 PM

Work

drawer

School

HaT

core-1-interaction

Applications

Favorites
- taritomo
- Dropbox
- AirDrop
- Recents
- Applications
- Desktop
- Documents
- Downloads
- OneDrive - Ha...
- Creative Clou...

iCloud
- iCloud Drive

Tags

- Page Screenshot for Safari
- Pages
- Photo Booth
- Photos
- Podcasts
- PostgreSQL 14
- Preview
- QuickTime Player
- Reminders
- Safari
- Siri
- Sketch
- Slack
- Stickies
- Stocks
- Sublime Text
- System Preferences
- TextEdit
- Time Machine
- TV
- Utilities
- Visual Studio Code
- Voice Memos
- zoom.us

Sublime Text
Application - 124.1 MB

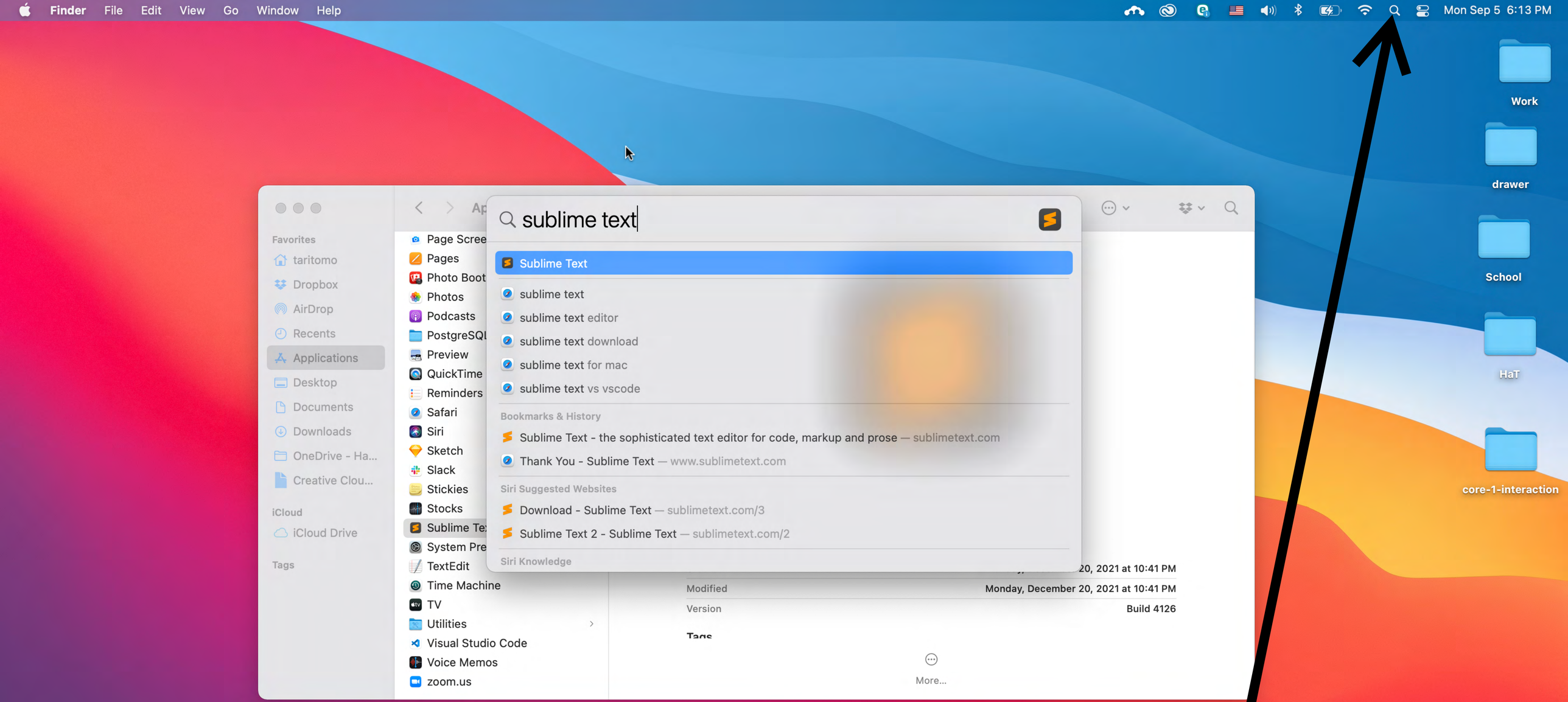
Information

Created	Monday, December 20, 2021 at 10:41 PM
Modified	Monday, December 20, 2021 at 10:41 PM
Version	Build 4126

Tags

More...

You can open Sublime from the Applications folder...



...or from **Spotlight** (⌘+Space, or Menu Bar icon)

Sublime Text File Edit Selection Find View Goto Tools Project Window Help

Mon Sep 5 6:18 PM

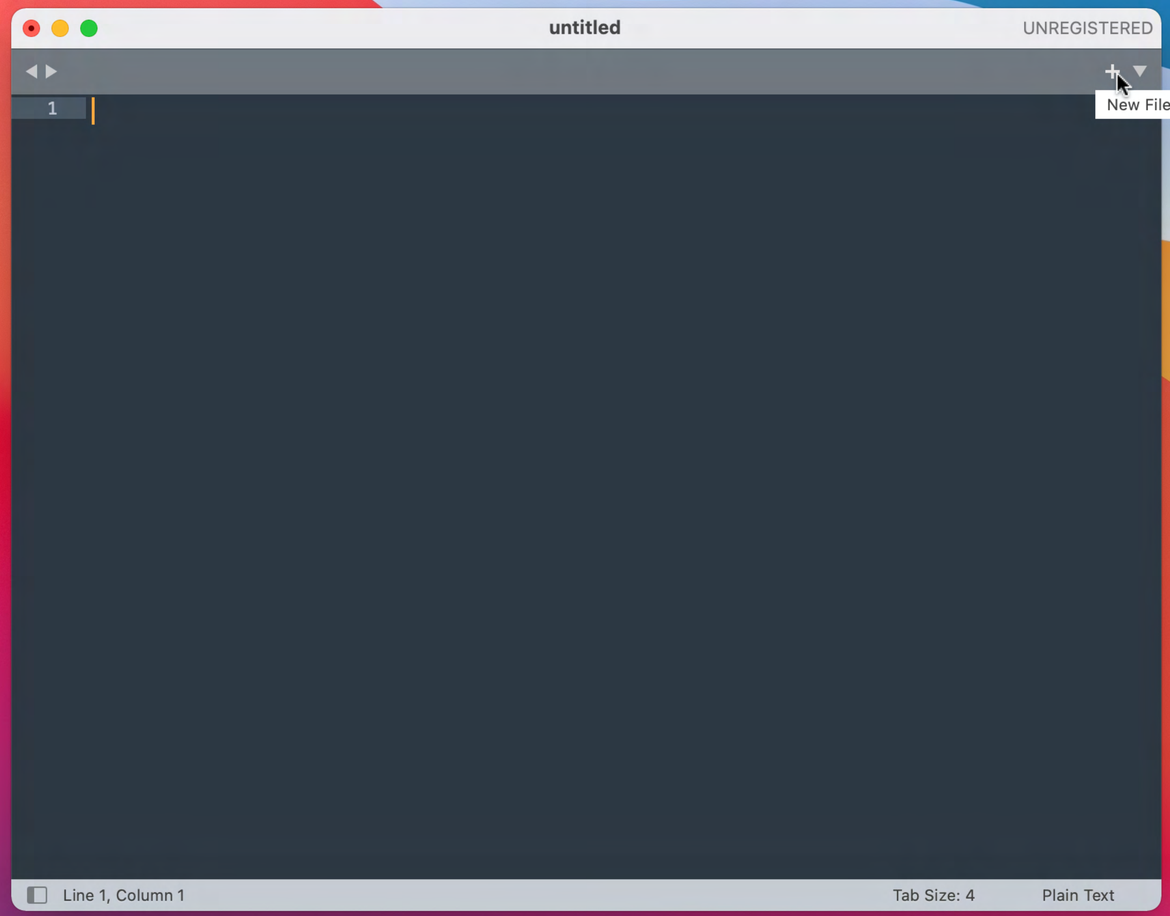
Work

drawer

School

HaT

core-1-interaction



Open a new file by clicking the + icon or File > New File

Sublime Text File Edit Selection Find View Goto Tools Project Window Help

Mon Sep 5 6:21 PM

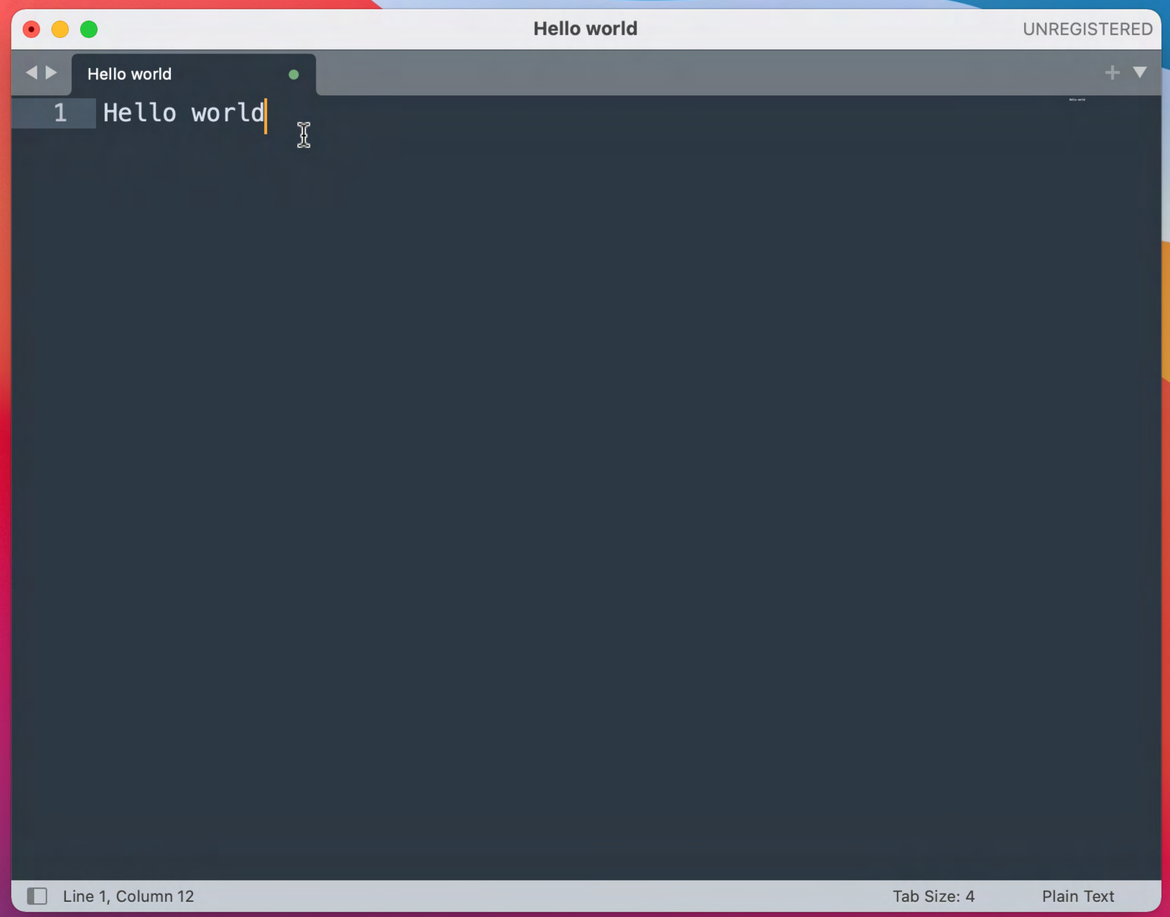
Work

drawer

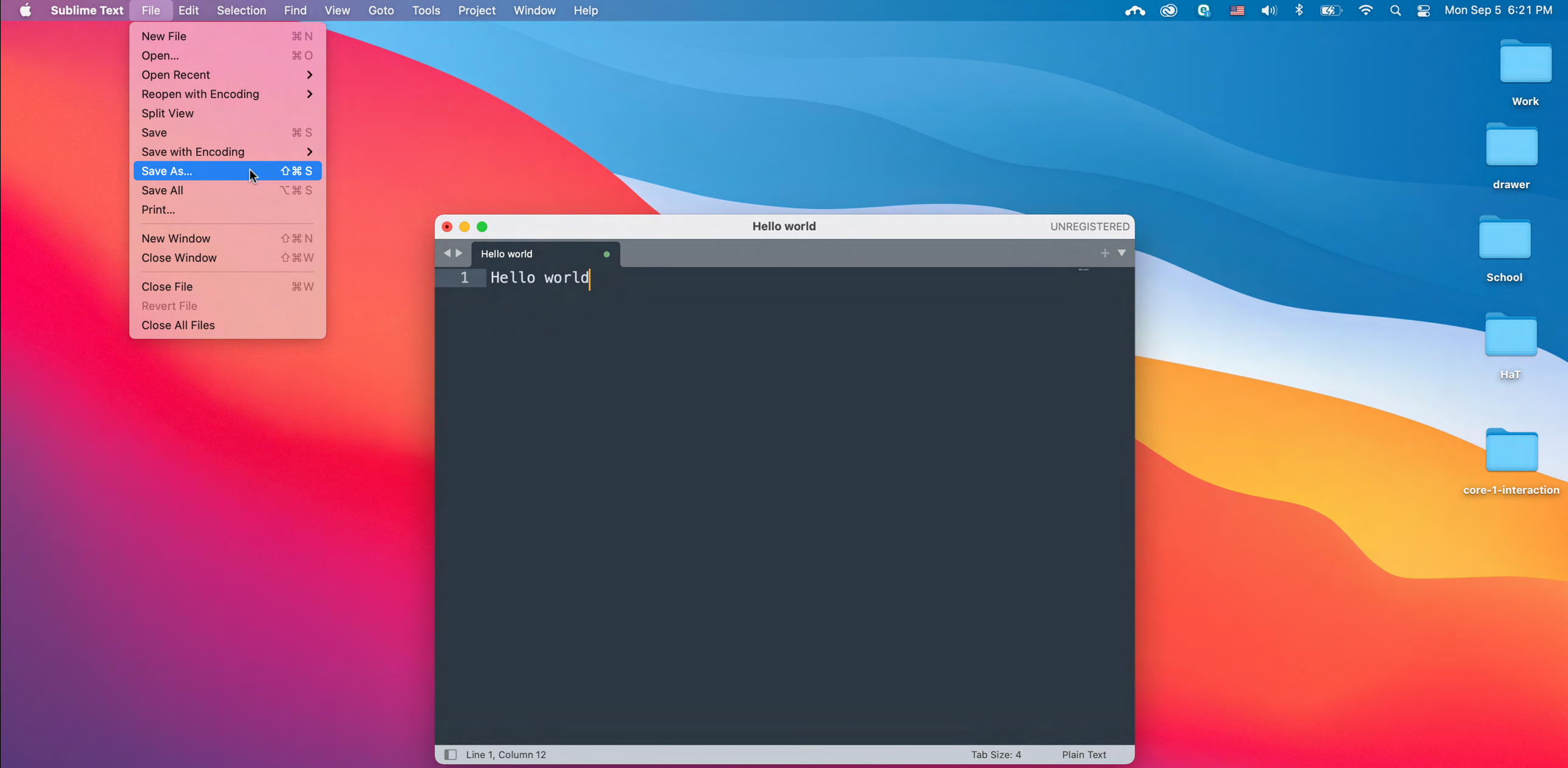
School

HaT

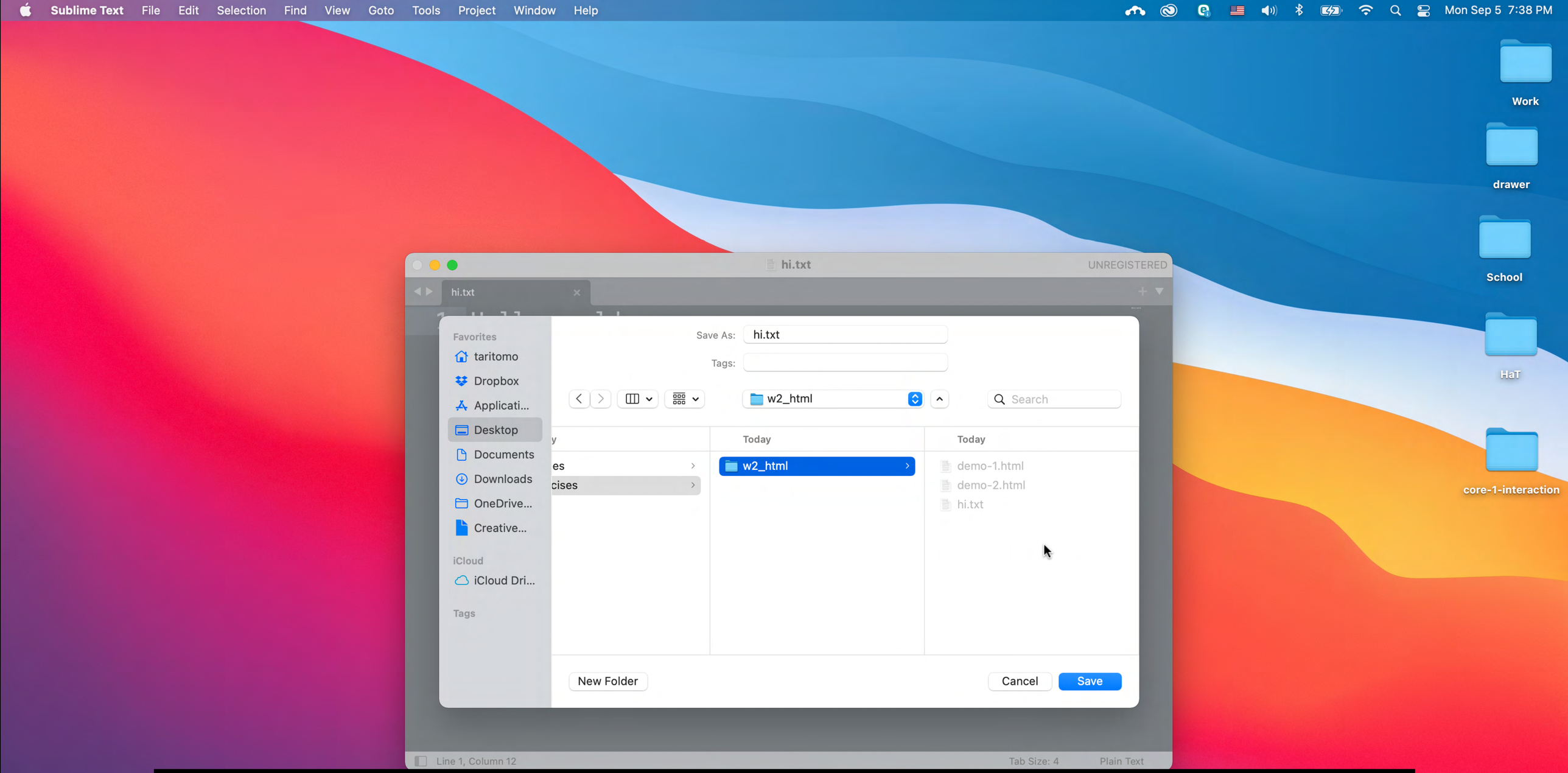
core-1-interaction



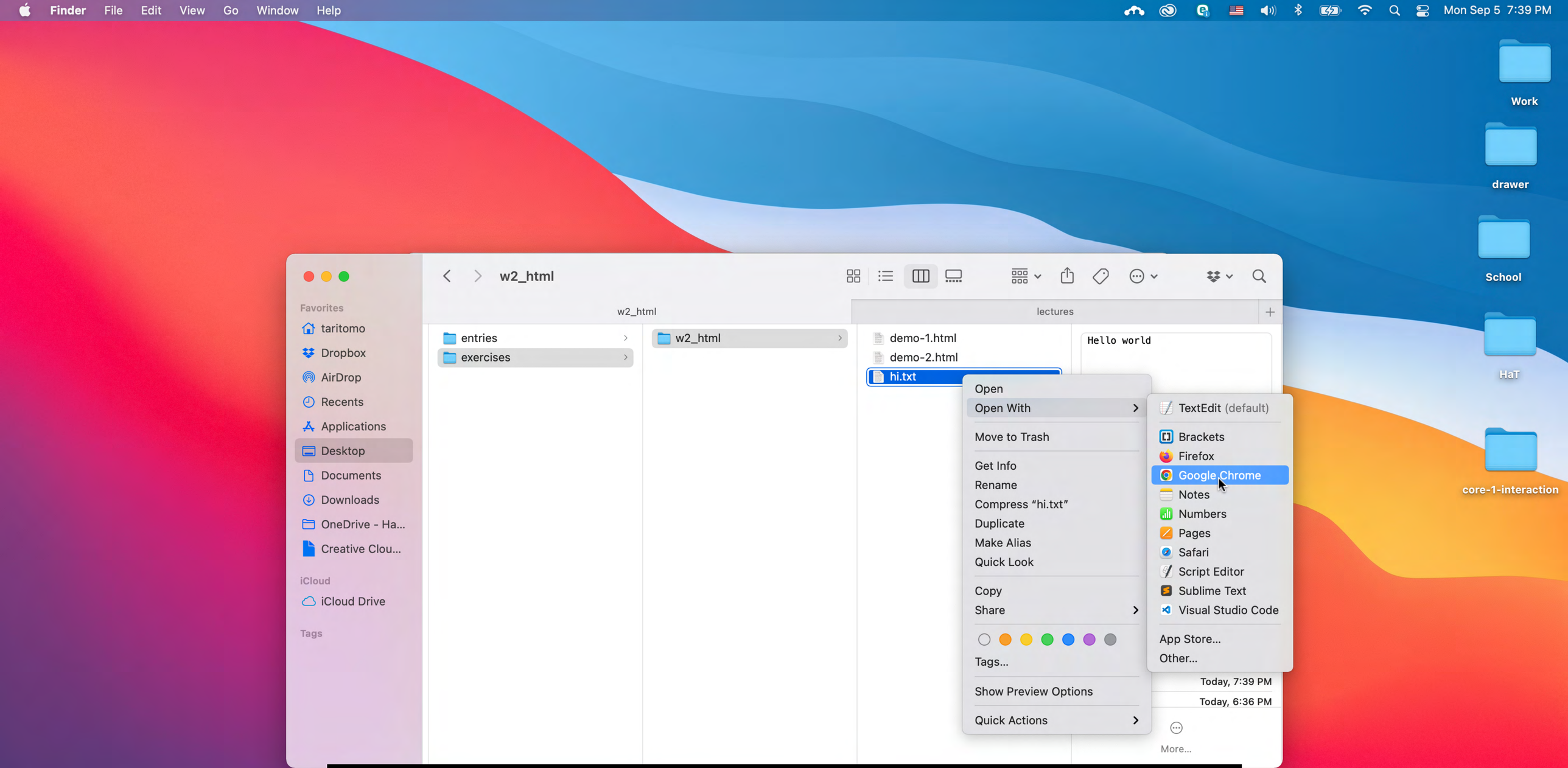
Write something



Save it with File > Save As...



Save the file as a .txt file to the folder Desktop/core-1-interaction/exercises/w2_html



Find the file and context-click to open it with Google Chrome.

Chrome File Edit View History Bookmarks Profiles Tab Window Help

Mon Sep 5 7:39 PM

hi.txt

File | /Users/taritomo/Desktop/core-1-interaction/exercises/w2_html/hi.txt

Hello world

w2_html

Favorites

taritomo

Dropbox

AirDrop

Recents

Applications

Desktop

Documents

Downloads

OneDrive - Ha...

Creative Clou...

iCloud

iCloud Drive

Tags

w2_html

entries

exercises

w2_html

Note the address bar shows the file path.
You are viewing a **local file** in the browser.

Sublime Text File Edit Selection Find View Goto Tools Project Window Help

Mon Sep 5 7:44 PM

demo-1.html — UNREGISTERED

demo-1.html

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content=
     width=device-width, initial-scale=1">
6    <title>My site</title>
7  </head>
8  <body>
9    Hello again world
10 </body>
11 </html>
```

Line 11, Column 8 Spaces: 2 HTML

My site

ction/exercises/w2_html/dem...

Open the demo-1.html file

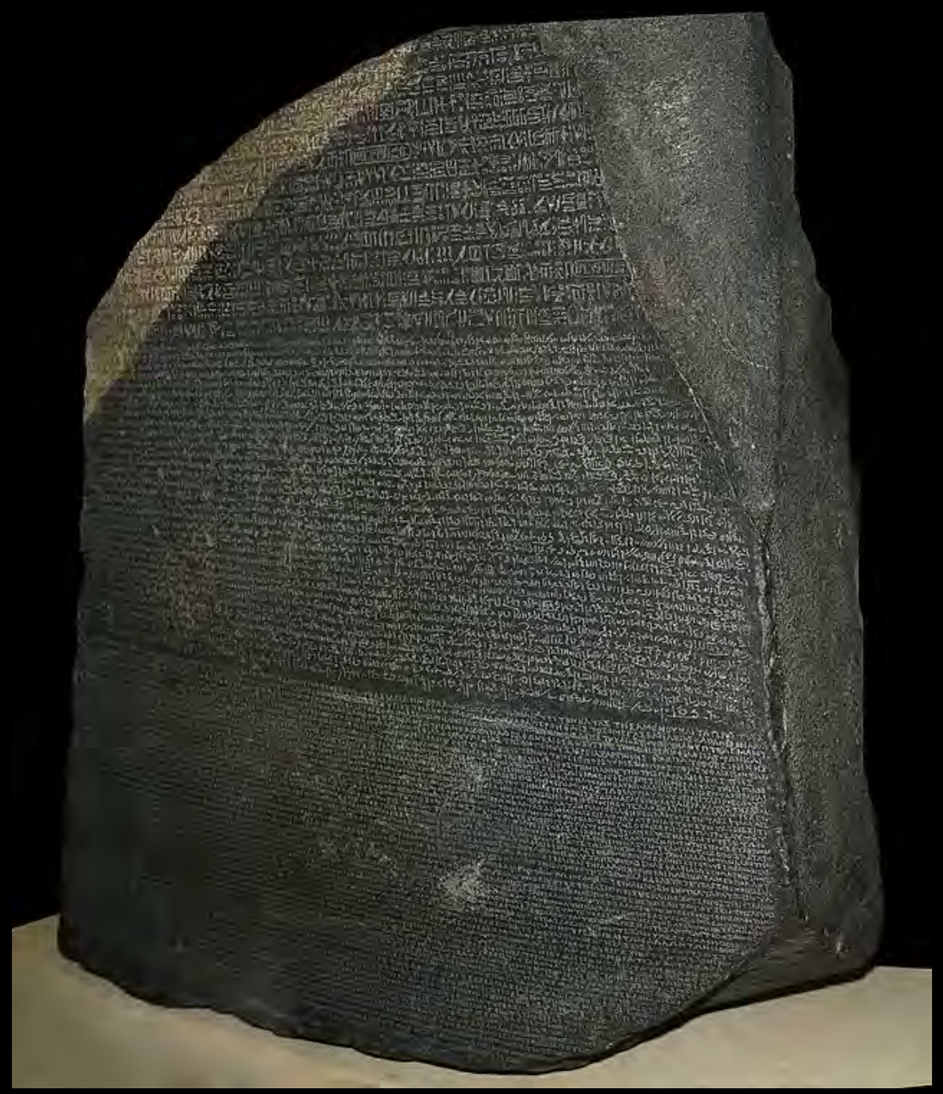
This is a typical **boilerplate** (starter) HTML file.

What is HTML?

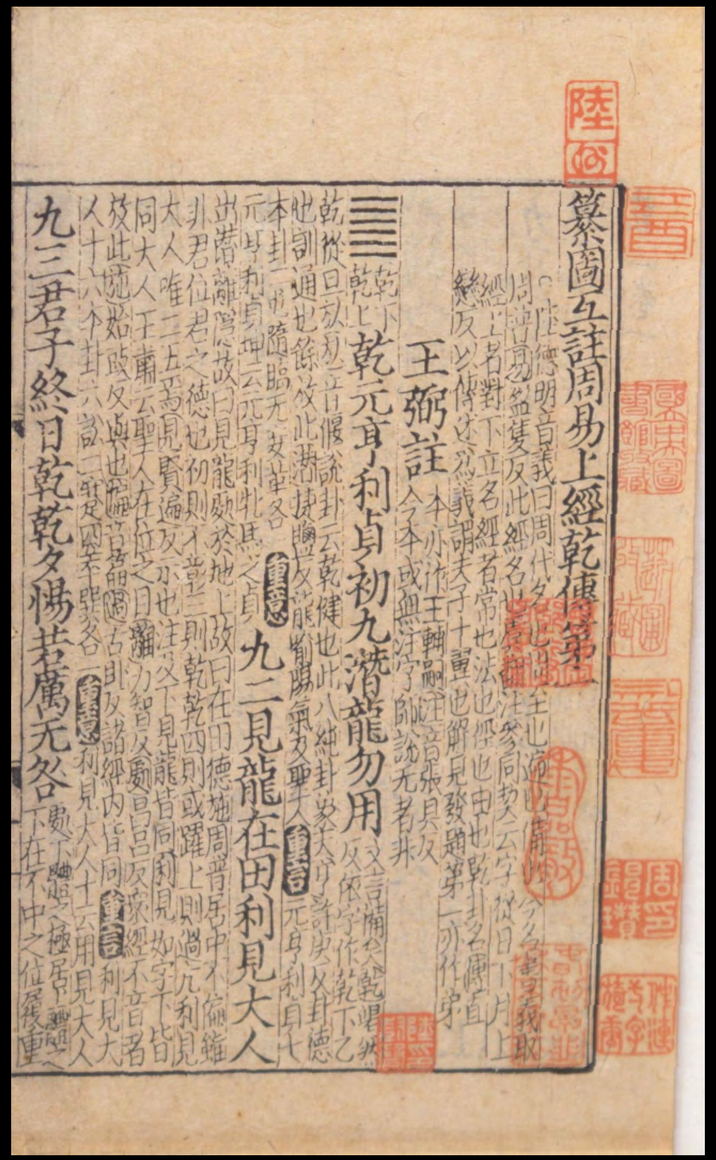
HyperText Markup Language is the standard **markup language** for webpages.

A markup language is a coding system that describes a document's structure, format, and inter-relationships.

Information always has a structure, format, and inter-relationships.



Rosetta Stone



Title page of a Song dynasty (c. 1100) edition of the I Ching

he wolde helpe him/and ethrenid his people not to be afrayed at the commynge of the Heithen/ But alwaye to remembre the helpe that had bene shewed vnto them from heauen/ yee/ and to be sure now also/ that almightye God wolde geue them the victory. He spake vnto them out of the lawe and prophetes/ puttinge them in remembraunce of the battayle/ that they had stricken afore/ and made them to be of a good courage.

So when their hertes were plucte vp/ he shewed them also the vnfaithfulnesse of the Heithen/ and how they wolde kepe no couenaunt nor othe. Thus he weapined them not with the armoure of shylde and speare/ but with wholsome wordes and exhortacions. He shewed them a dreame also/ wherthorow he made them all glad/ whiche was thys: He thought that he sawe Onias (which had bene hygh prieste/ a vertuous and louynge man/ sad and of honest conuersacion/ well spoken/ and one that had bene exercised in godlines from a childe) holdinge vp his handes toward heauen/ and prayinge for his people. After this there appeared vnto him another man/ whiche was aged/ honorable and glorious. And Onias sayde: This is a louer of the brethren/ and of the people of Israel. This is he that prayeth muche for the people/ and for all the hole cite: Jeremy the prophet of God. He thought also that Jeremy helde out his right hande/ and gaue him (namely vnto Judas) a swearde of golde/ sayenge: Take this holy swearde/ a gifte from God/ wherewith thou shalt smite downe the enemies of the people of Israel.

And so they were well comforted thorowe the wordes of Judas/ and toke courage vnto them/ so that the yonge men were determined in their myndes to fight/ & to byde shorte strit: In so much that in the thynges which they toke in hande/ their boldnes shewed the same/ Because the holy cite and the temple were in parill for the which they toke more care then for their wyues/ children/ brethren/ and kinsfolkes. Agayn/ they that were in the cite/ were most careful for those which were to fight. Now when they were all in a hope that the iudgement of the matter was at hande/ and the enemies were ready bodi/ & their hoste set in aray/ the Elephantes and horsmen/ ouerwent standinge in two places/ Machabeus considered the comynge of the multitude/ the ordinaunce of warre/ the cruelnesse of the beastes/ and helde vp his handes towarde heauen/ callinge vpon the Lorde that worth wonders/ which gaue not the victory after the multitude of mens power/ and knowinge him to be worthy/ he called vpon him/ according to his custome/ Thorowe this prayer he made these wordes.

O Lorde/ thou that sendest forth thine angell and the myght of Ezechias kynge of Judea/ and in the hoste of Sennacherib there slewe an hundreth & fyue an fourti fyue thousande/ sende nowe also thy good angell before us (O Lorde of heauen) in the feare & drede of thy mighty arme/ that the vngracious come agaynst thy holy people to blaspheme them/ maye be afrayed. And so he made an ende of his wordes. Then Machabeus and they that were with him/ came vpo with boldnes and courage: But Judas and his company prayed and callinge vpon God.

With their handes they fought/ & with their hertes they prayed vnto the Lord/ so that slewe no lesse then xxxv M. men/ for thorow the present helpe of God they were ghostly comforted.

Now when they left of and were comynge t
agayne with ioye/ they vnderstode that Lisias hoste was slayne with the other. Then they gaue a greate shout and crye/ that fringe the aier/ where Lorde/ such a lau were/ And Judas/ whiche was ever ready to ayde his body and life for his countrey/ commaunded to sowne of Trumpes before with his armie and horde/ and so he came to Jerusalem. When he came there he called all the people/ and the prestes at the altar with those that were in the cite/ and shewed them the same hoste/ and the wicked hande in which he had vnrighteously behaued himself against the temple of God. He called vp also of that vngodlye Nicanor/ & that for sake preysed and so he gaue the holy cite out of hate prayed and so he gaue the holy cite and the cruel enemy hande to be hanged before the temple.

The new Testament of our sauiour Jesu Christ.

The Gospel of sayncte Matthew.

The first Chapiter.

Here is the boke of the generacion of Jesus Christ/ the sonne of Dauid/ the sonne of Abraham.

Abrahā begat Isaac.
Isaac begat Jacob
Jacob begat Judas and his brethren.
Judas begat Phares and Zarā of Thamar
Phares begat Esrom
Esrom begat Aram
Aram begat Aminadab
Aminadab begat Naasson.
Naasson begat Salmon:
Salmon begat Boos of Rahab
Boos begat Obed of Ruth
Obed begat Jesse
Jesse begat Dauid the kynge:
Dauid the kynge begat Salomā/ of her that was the wyfe of Vrie:
Salomon begat Roboam
Roboam begat Abia
Abia begat Asa
Asa begat Josaphat
Josaphat begat Joram
Joram begat Ozias
Ozias begat Joathan
Joathan begat Achas
Achas begat Ezechias
Ezechias begat Manasses
Manasses begat Amon
Amon begat Josias
Josias begat Jechonias and his brethren/ about the tyme of the captiuite of Babylon.
And after the captiuite of Babylon/ Jechonias begat Salathiel.
Salathiel begat Zorobabel
Zorobabel begat Abiud
Abiud begat Eliachim
Eliachim begat Azor
Azor begat Sadoc
Sadoc begat Achim
Achim begat Eliud
Eliud begat Eleazar
Eleazar begat Matthan
Matthan begat Jacob
Jacob begat Joseph the husband of Marie/ of whome was borne that Jesus/ which is called Christ.

All the generacions from Abraham to Da uid are fourteen generacions. From Dauid vnto the captiuite of Babylon/ are fourteen generacions. From the captiuite of Babylon vnto Christ are also fourteene generacions.

The byrth of Christe was on this wise. When his mother Marie was maryed vnto Joseph/ before they came together/ she was found with childe by the holy ghost. But reader/ Joseph her housband was a perfecte man/ a iust/ and wold not haue her to shame/ but was ment secretly to put her away. Neuertheles/ whyle he thus thought/ beholde/ the angell of the Lord appeared vnto him in a dreame/ sayenge: Joseph/ thou sonne of Dauid/ feare not to take vnto the Marie thy wyfe. For that which is conceaued in her/ is of the holy ghost. She shall bringe forth a sonne/ and thou shalt call his name Jesus. For he shall saue his people from their synnes.

All this was done/ that the thinge might be fulfilled/ which was spoken of the Lorde by the Prophet sayenge: Beholde/ a mayden shall be with childe/ & shall bringe forth a sonne/

Coverdale Bible, 1530.

Just as files and folders come from paper metaphors, HTML was based on ways to organize text on the page.

In 1980, a contractor named Tim Berners-Lee built a system for scientists at CERN to publish and share **hypertext** documents with each other. In 1989, he proposed HTML and wrote the first web browser.

Vague but exciting ...

CERN DD/OC

Information Management: A Proposal

Tim Berners-Lee, CERN/DD

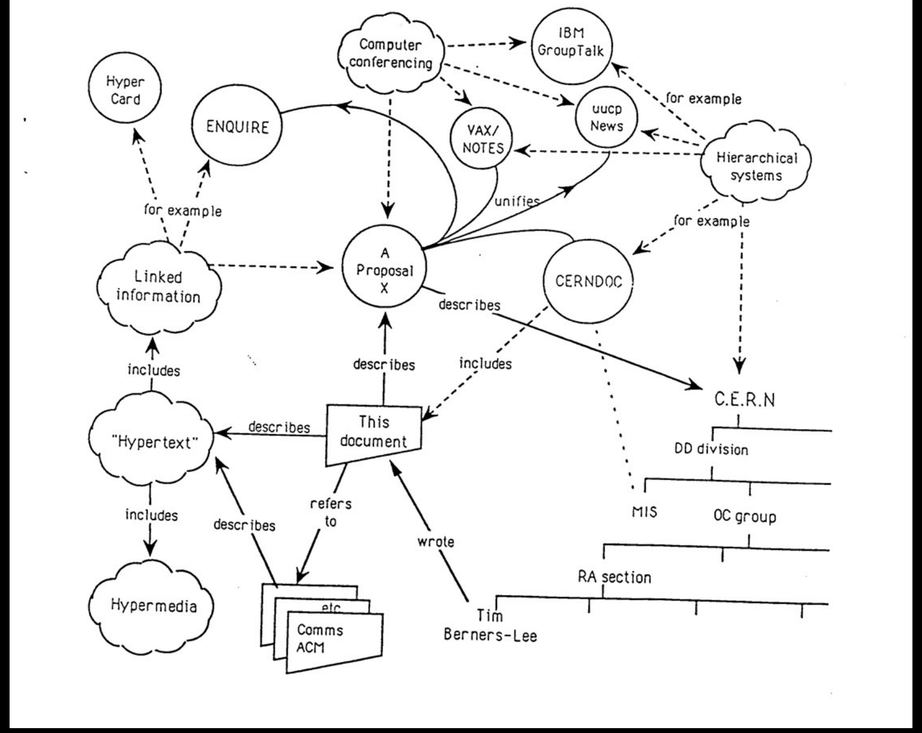
March 1989

Information Management: A Proposal

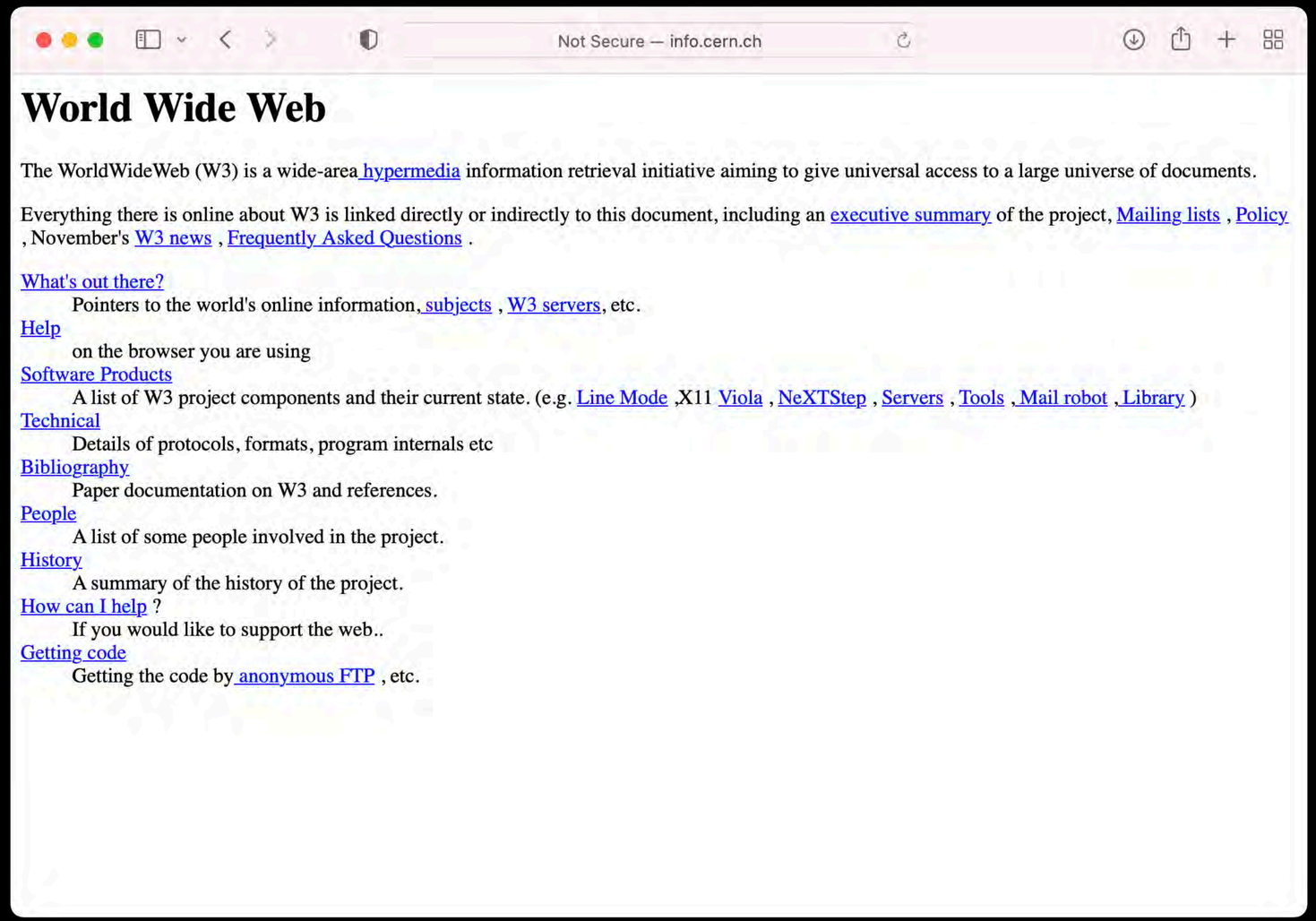
Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext sytstem.

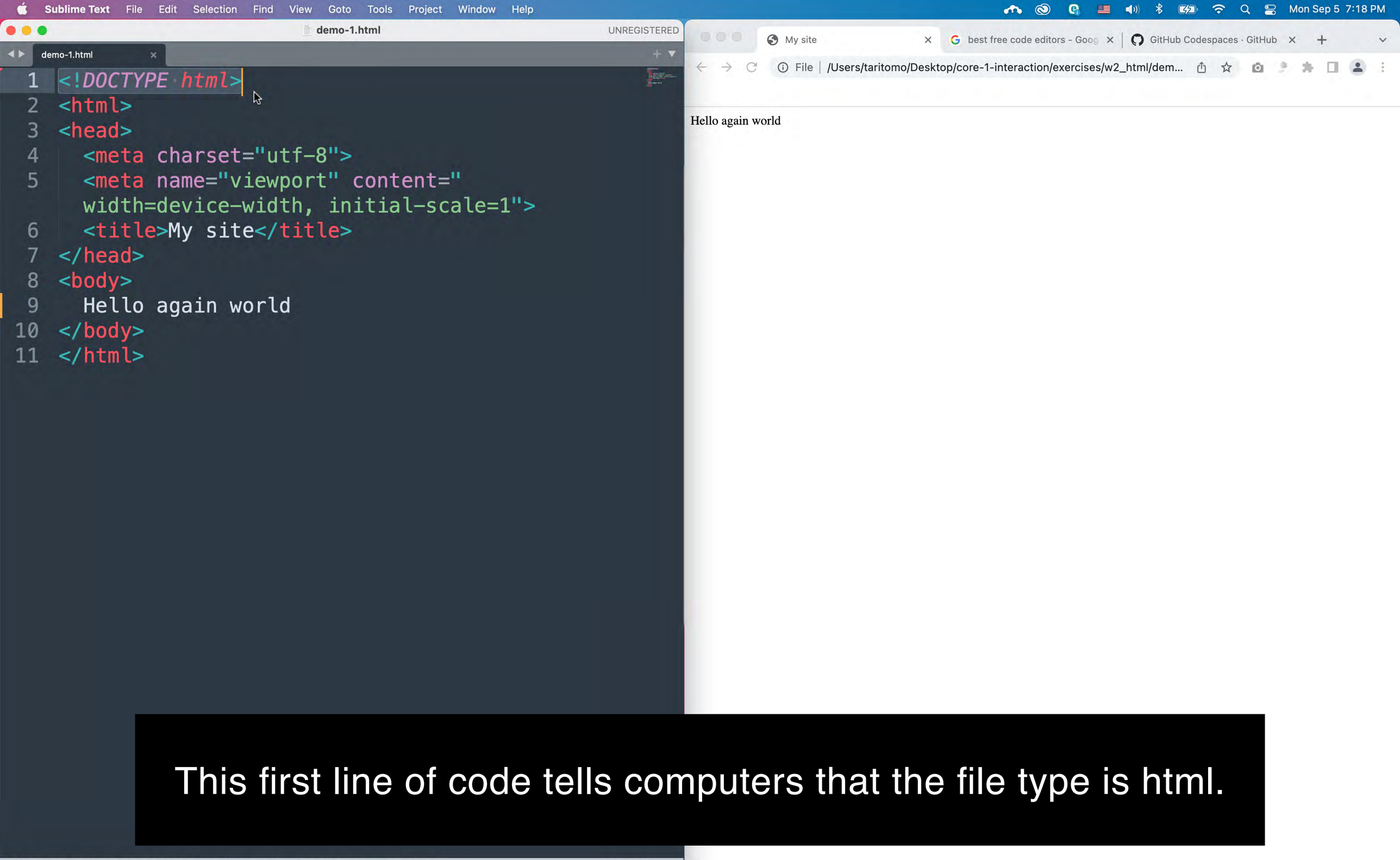
Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project control



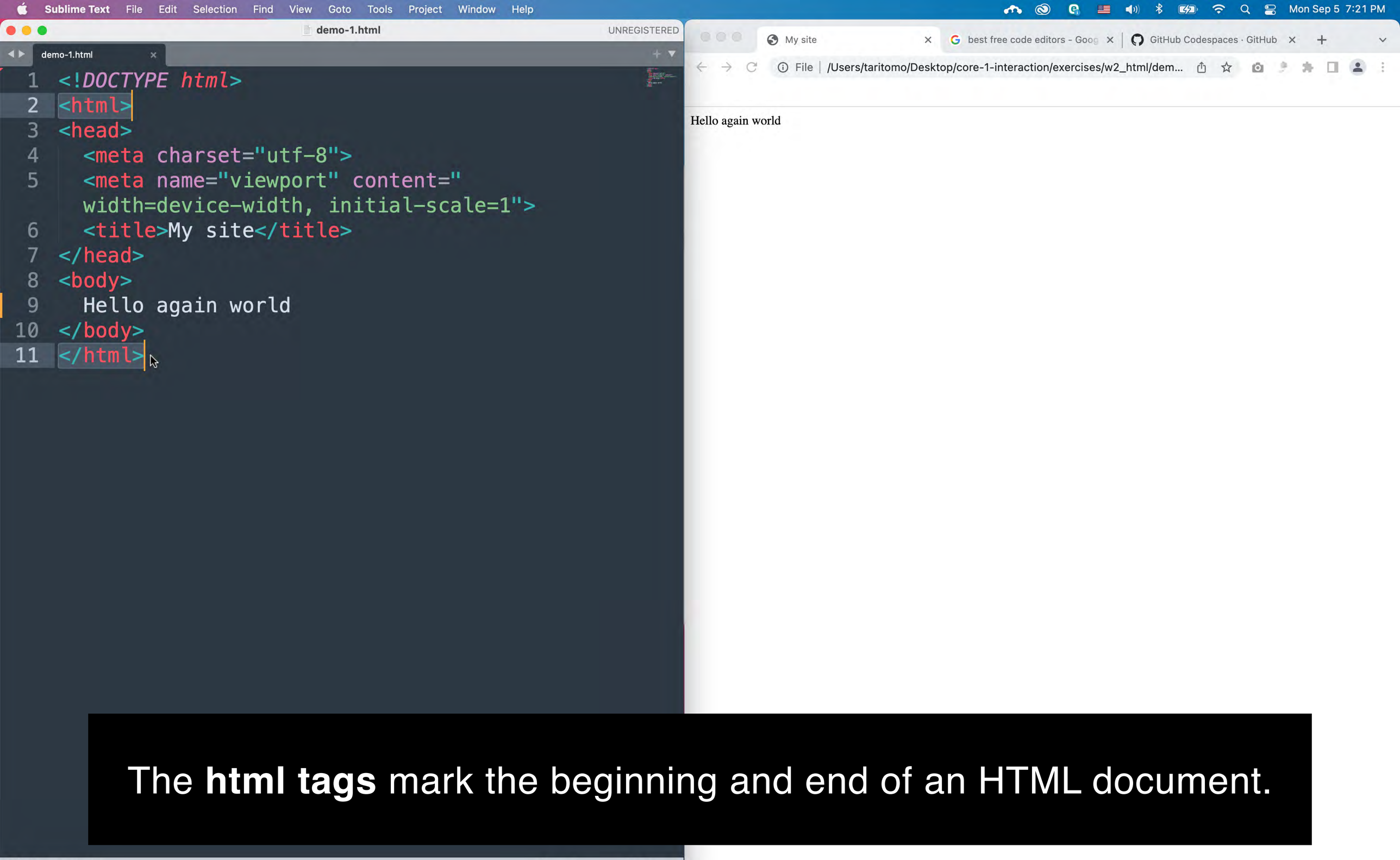
Cover of proposal with HTML, 1989.



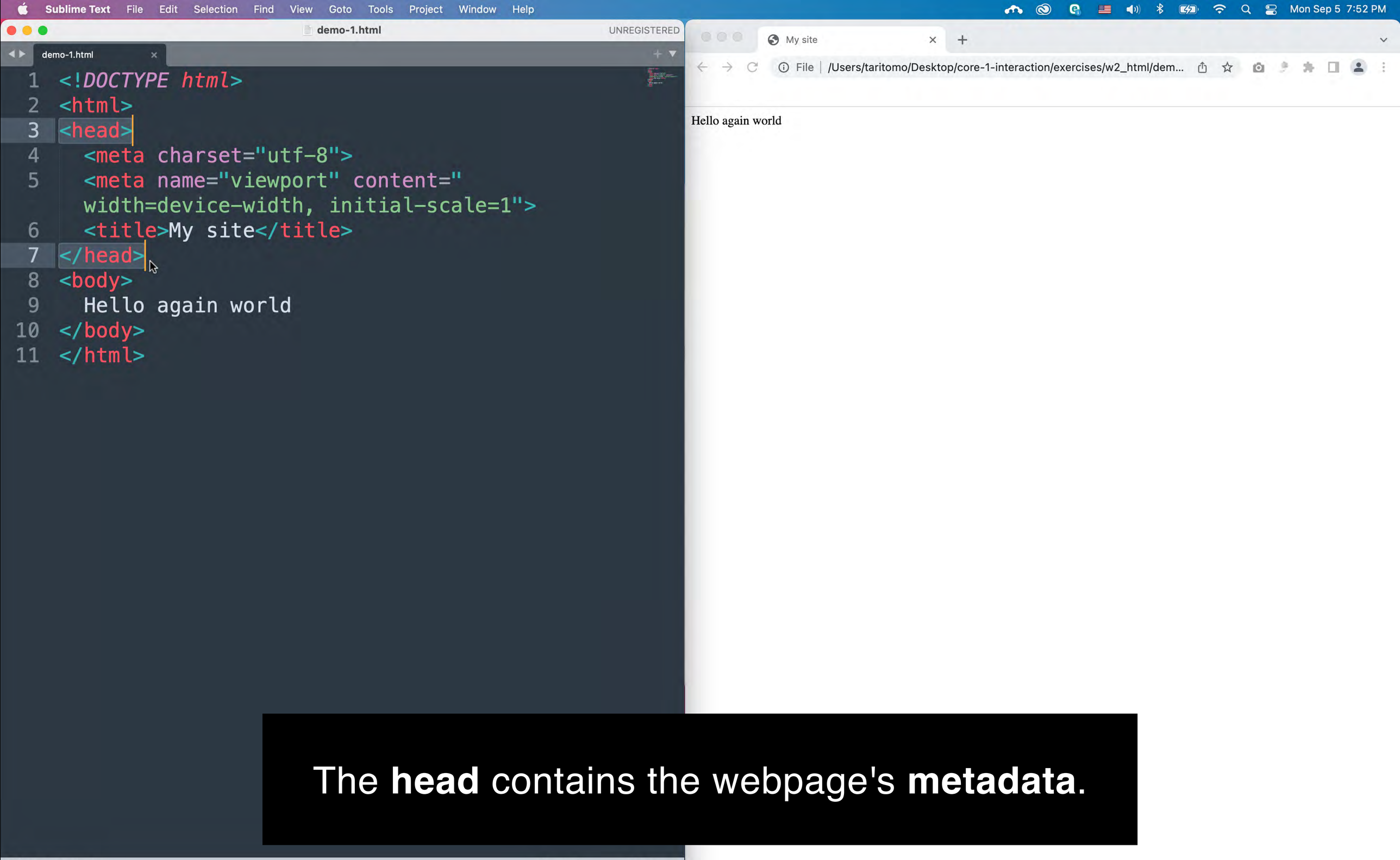
First website, 1991.



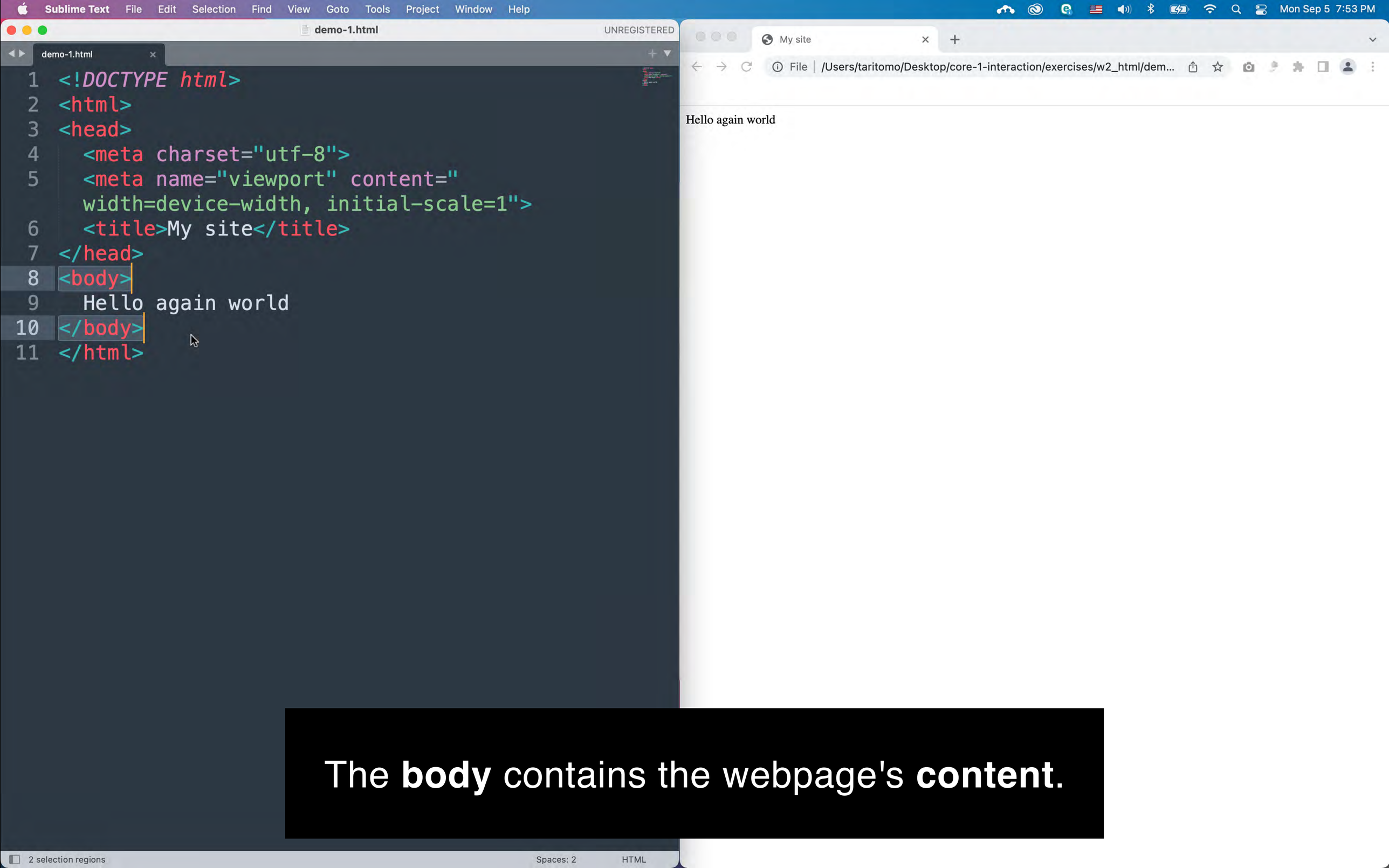
This first line of code tells computers that the file type is html.



The **html tags** mark the beginning and end of an HTML document.



The **head** contains the webpage's **metadata**.


Sublime Text File Edit Selection Find View Goto Tools Project Window Help
Mon Sep 5 7:53 PM
demo-1.html
UNREGISTERED
demo-1.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="utf-8">
5 <meta name="viewport" content="
width=device-width, initial-scale=1">
6 <title>My site</title>
7 </head>
8 <body>
9 Hello again world
10 </body>
11 </html>
2 selection regions
Spaces: 2
HTML
My site
File | /Users/taritomo/Desktop/core-1-interaction/exercises/w2_html/dem...
Hello again world
The **body** contains the webpage's **content**.

Sublime Text File Edit Selection Find View Goto Tools Project Window Help

Mon Sep 5 8:15 PM

demo-1.html UNREGISTERED

demo-1.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="
  width=device-width, initial-scale=1">
  <title>My site</title>
</head>
<body>
  <h1>Here's a header level 1</h1>
  <p>
    And here's a paragraph...
  </p>
</body>
</html>
```

Line 12, Column 7 Spaces: 2 HTML

My site

File | /Users/taritomo/Desktop/core-1-interaction/exercises/w2_html/dem...

Here's a header level 1

Here's a paragraph...

HTML consists of elements inside other elements.
The elements are made by using tags.

demo-1.html — UNREGISTERED

demo-1.html

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="
     width=device-width, initial-scale=1">
6    <title>My site</title>
7  </head>
8  <body>
9    <h1>Here's a header level 1</h1>
10   <p>
11     And here's a paragraph...
12     <br/>
13     You can use the <em>br</em> tag to insert a
       <strong>line break</strong>.
14   </p>
15 </body>
16 </html>
```

Line 13, Column 77 Spaces: 2 HTML

My site

File | /Users/taritomo/Desktop/core-1-interaction/exercises/w2_html/dem...

Here's a header level 1

And here's a paragraph...
You can use the *br* tag to insert a **line break**.

Elements that can contain other elements have an opening and closing tag.
Elements that don't contain others, like <br/>, just have one self-closing tag.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="
  width=device-width, initial-scale=1">
  <title>My site</title>
</head>
<body>
  <h1>Here's a header level 1</h1>
  <p>
    And here's a paragraph...
    <br/>
    You can use the <em>br</em> tag to insert a
    <strong>line break</strong>.
  </p>
  <img src="bouquet-in-the-nest.PNG" />
</body>
</html>
```

Here's a header level 1

And here's a paragraph...
You can use the *br* tag to insert a **line break**.

Image files are usually made with a img element, which is a self-closing tag.

Inside the tag, the `src` **attribute** specifies the image file's path.
For now, I recommend writing `./` in front of the path to indicate that
the image can be found in the same folder as the HTML file you are writing in.

```
6    <title>My site</title>
7  </head>
8  <body>
9    <h1>Here's a header level 1</h1>
10   <p>
11     And here's a paragraph...
12     <br/>
13     You can use the <em>br</em> tag to insert a
       <strong>line break</strong>.
14   </p>
15   <img src="./bouquet-in-the-nest.PNG" />
16 </body>
17 </html>
```