



# HTML

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*Or how the web got started...*





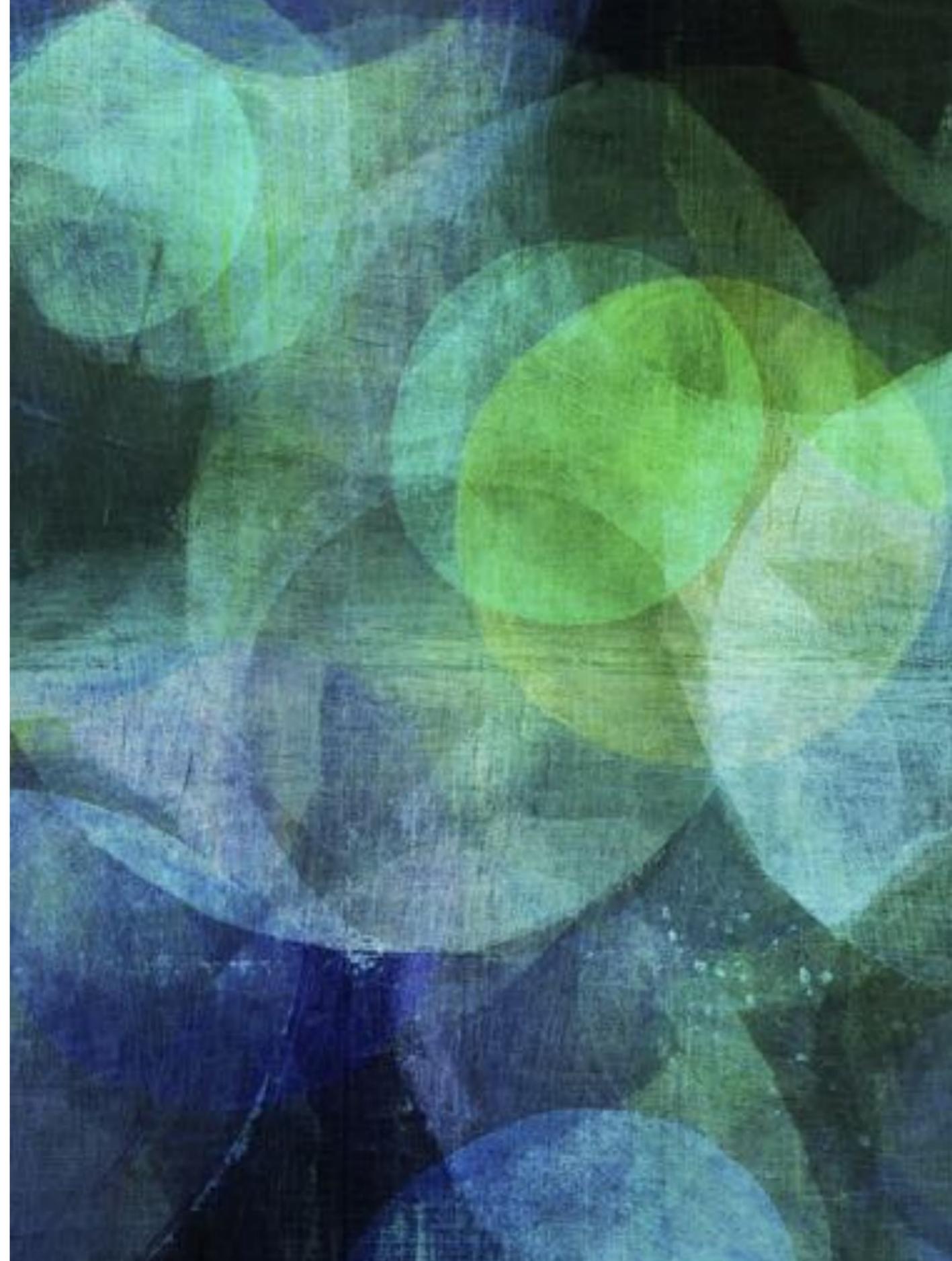
## JUST A LITTLE BIT OF ME

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- Got my first computer when I was 12.
- Went to Community College, learned Computer Sciences
- Went to College, learned Computer Sciences
- Created my first startup while in college... and it was an ISP - Internet Service Provide
- Created my first website in 1994
- Had to learn HTML to do it

**SO WHY DO I  
NEED TO LEARN  
THAT?**

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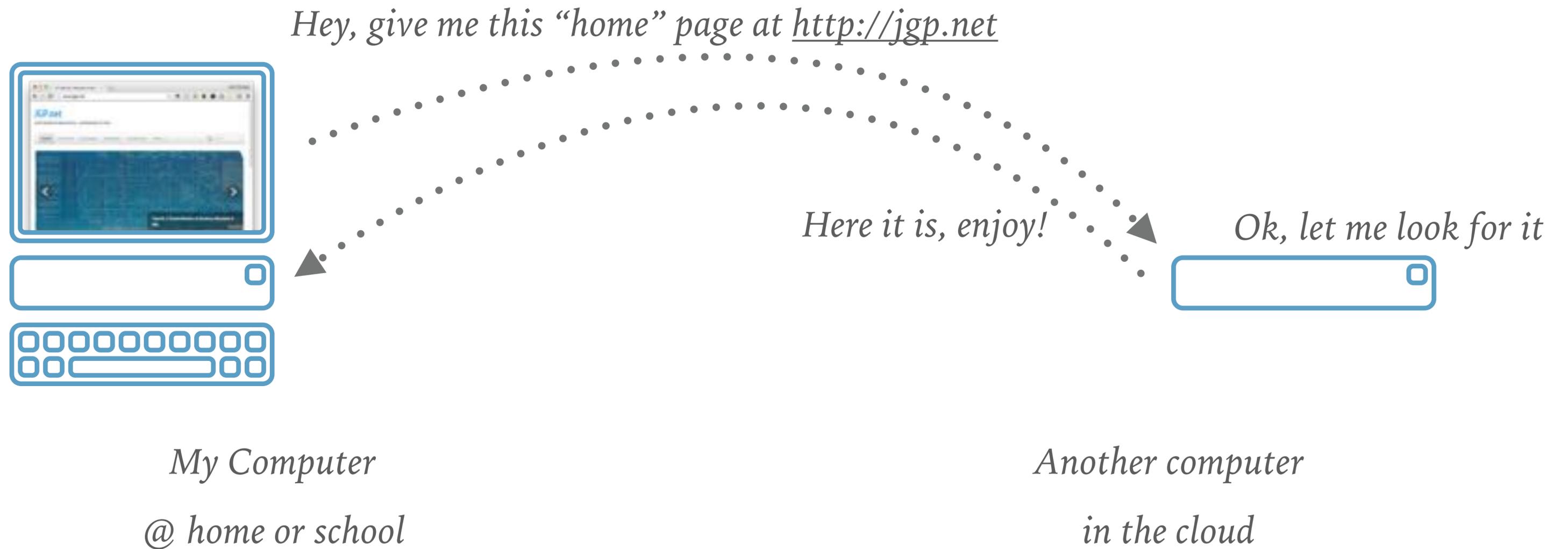




*How does this thing work anyway?*

# THAT'S ALL NICE, BUT HOW DOES IT REALLY WORK?

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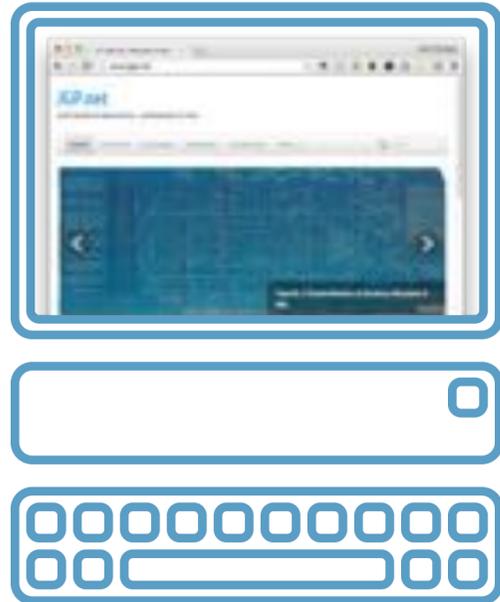


# A LITTLE VOCABULARY

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*The computer at home is a **client***

*The client runs a web **browser***



*The commands are defined by a **protocol***

*The protocol understood by the web is called **HTTP***

Have you ever seen that?  
<http://google.com>

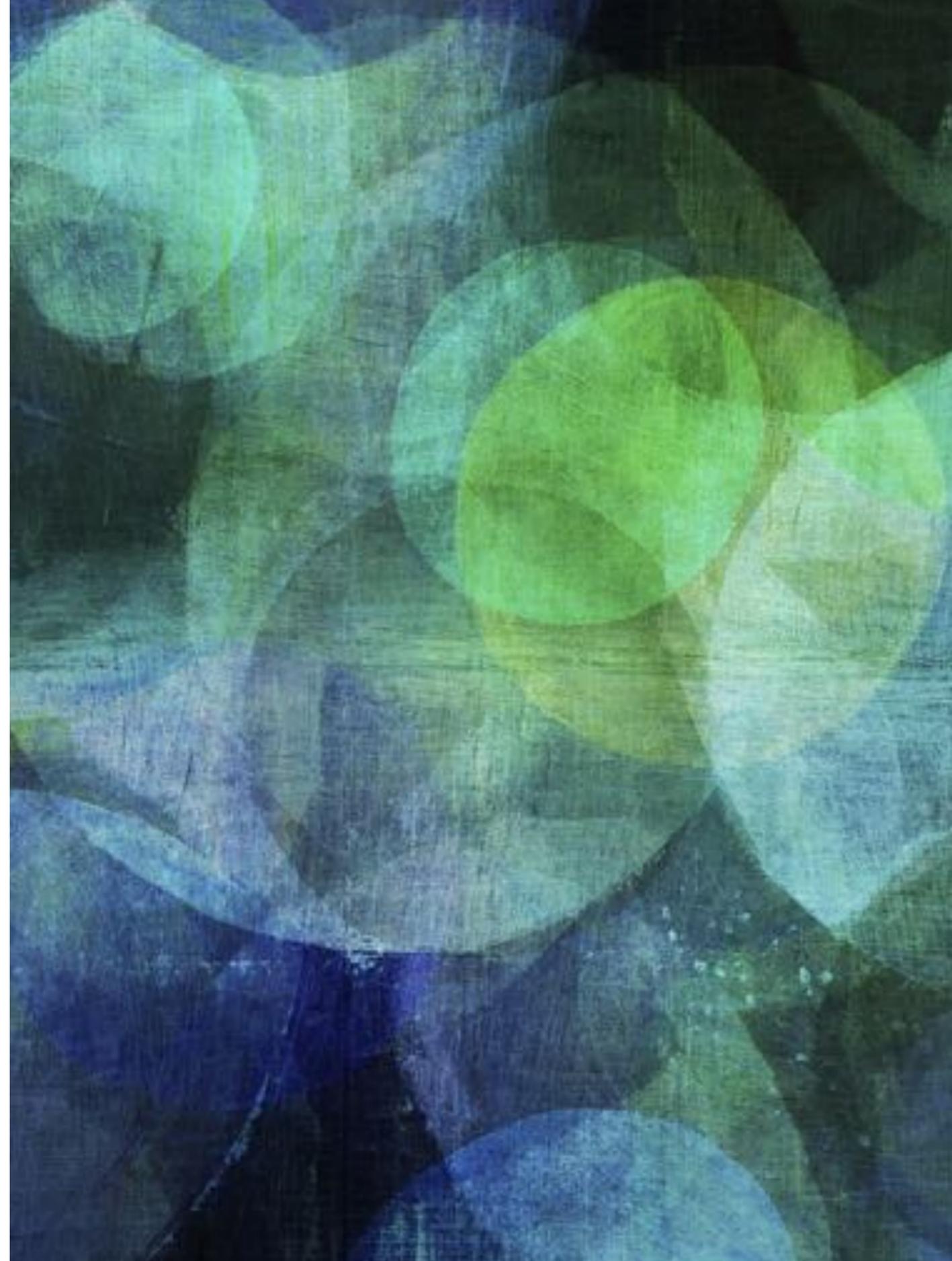
*The computer in the cloud or data center is a **server***

*The server serves **HTML pages** (and other documents)*



**HTML... WHAT  
DOES IT LOOK  
LIKE?**

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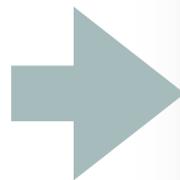
# HTML IS EASY BECAUSE IT IS LIKE WRITING TEXT

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*Simply add markup*

`<html>hello, world</html>`

*And the result is...*





# EXERCISE #1

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- Let's do our first HTML page with **notepad**
- Let's call our page "hello.html"

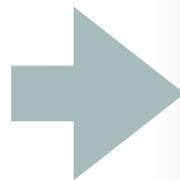
# BUT... IT'S A LITTLE UGLY, NO?

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*Simply add more markup*

`<html><b>hello, world</b></html>`

*And the result is...*



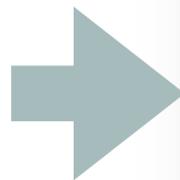
# WELL...

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*Different markup different results*

`<html><i>hello, world</i></html>`

*And the result is...*



## EXERCISE #2

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- Let's write "hello" in **bold** and "world" in *italic* in the same page

*Solution:*

```
<html>  
<b>hello</b>, <i>world</i>  
</html>
```

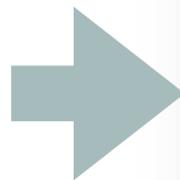
# AND EVEN...

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*Underline is not recommended as users think they are links*

`<html><u>hello, world</u></html>`

*And the result is...*



# LINK, DID YOU SAY LINK?

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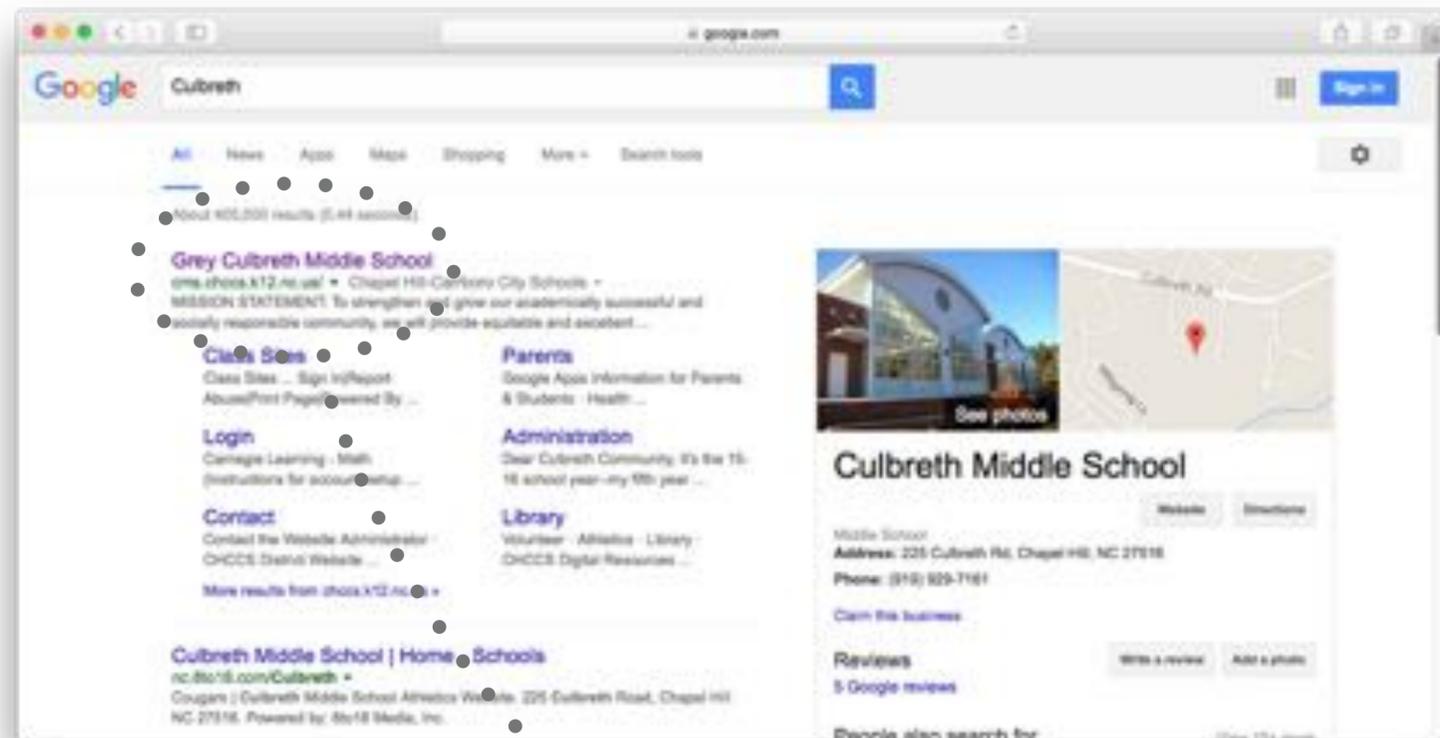
*Not exactly Link, more like “link”*



# WELCOME TO HYPERLINK!

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- It's not just a link, it is a hyperlink!
- A hyperlink can make you jump from one page to another...

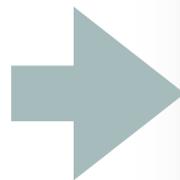


## SO LET'S BUILD A PAGE WITH A LINK TO THE SCHOOL

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```
<html>  
<a href="http://cms.chccs.k12.nc.us">  
Culbreth Middle School  
</a>  
</html>
```

*And the result is...*

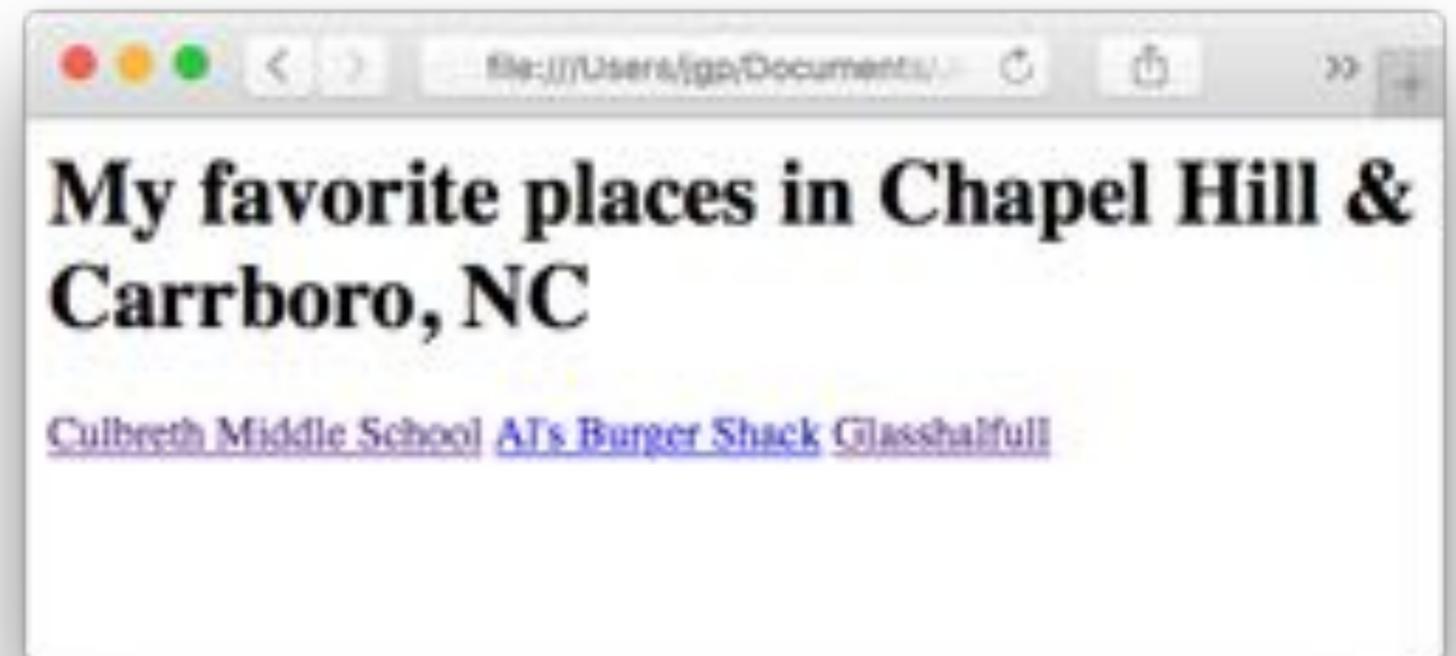


## EXERCISE #3

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- Create a page with links to your favorite places in Chapel Hill & Carrboro

*And the result is...*



# HOW DID I BUILD THIS PAGE?

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```
<html>
<h1>My favorite places in Chapel Hill & Carrboro, NC</h1>
<a href="http://cms.chccs.k12.nc.us">Culbreth Middle School</a>
<a href="http://www.alsburgershack.com">Al's Burger Shack</a>
<a href="http://www.glasshalfullcarrboro.com">Glasshalfull</a>
</html>
```

*A new element:*

*h1 to h6 define heading 1 to heading 6*

**TIME FOR A NICER  
EXAMPLE!**

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# LISTS WITH UL AND LI

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```
<html>
```

```
<h1>My favorite places in Chapel Hill & Carrboro, NC</h1>
```

```
<h2>Schools</h2>
```

```
<ul>
```

```
<li><a href="http://cms.chccs.k12.nc.us">Culbreth Middle School</a></li>
```

```
</ul>
```

```
<h2>Restaurants</h2>
```

```
<ul>
```

```
<li><a href="http://www.alsburgershack.com">Al's Burger Shack</a></li>
```

```
<li><a href="http://www.glasshalfcarrboro.com">Glasshalf</a></li>
```

```
</ul>
```

```
</html>
```

# REFERENCES, GO FURTHER

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- W3Schools, <http://www.w3schools.com/>
- World Wide Web Consortium (W3C) (Advanced), <https://www.w3.org/>

# THANK YOU!

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*If you have question, feel free to send me an e-mail at [jgp@jgp.net](mailto:jgp@jgp.net)*

*Or, after you turn 13, <http://facebook.com/jgperrin>*

