



Web and Mobile App Development

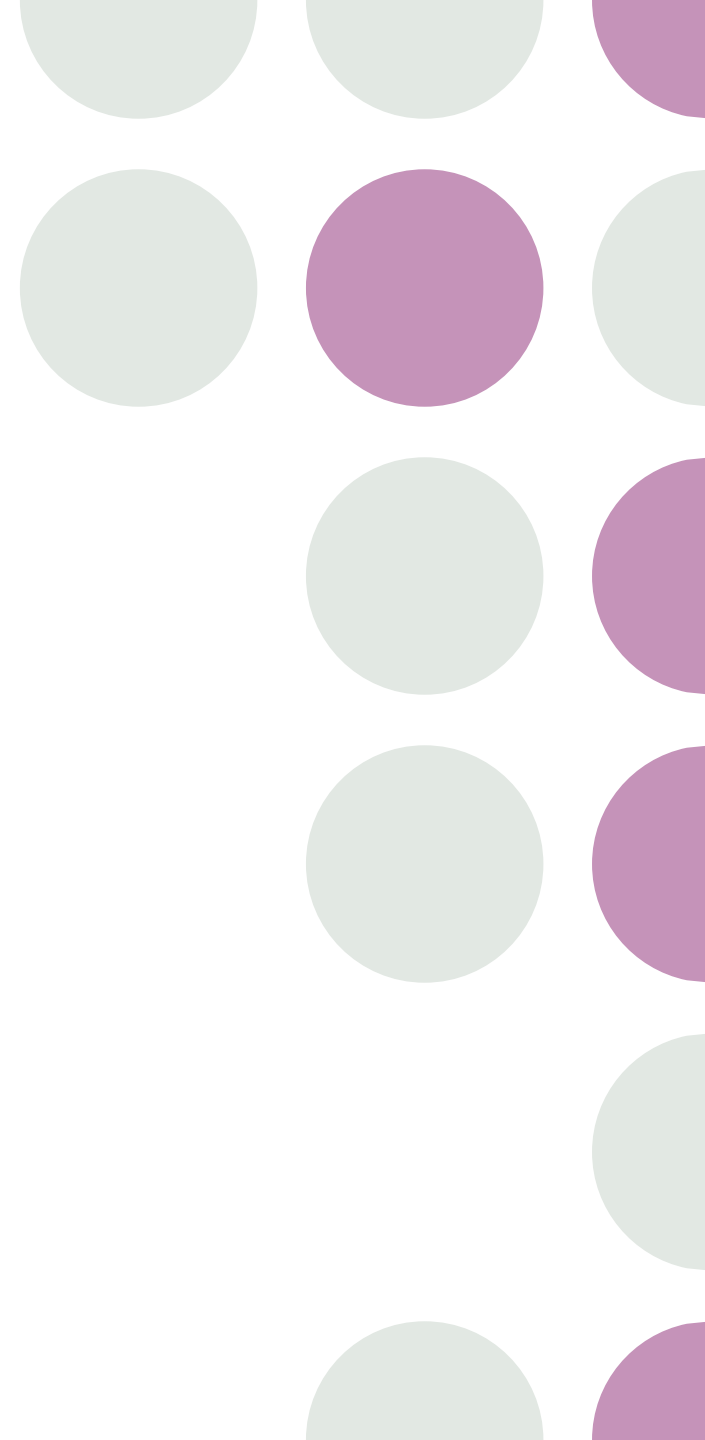


Lecture # 3

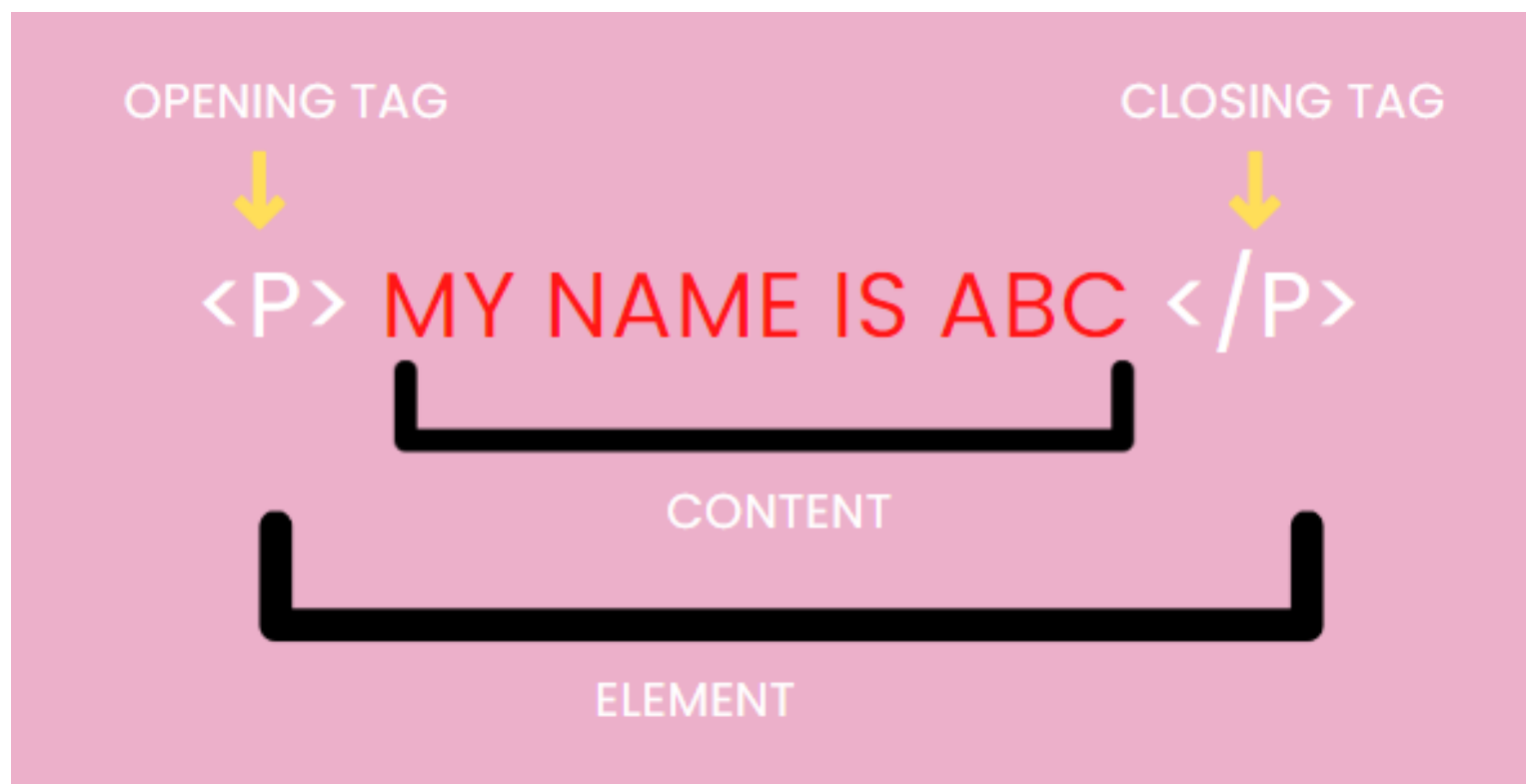
INTRODUCTION OF HTML

What is HTML

HTML stands for Hyper Text Markup Language HTML is the standard markup language for Web pages elements are the building blocks of HTML pages elements are represented by `<>` tags



Anatomy of an HTML Element



Parts of element are as follows:

- **Opening tag:** This consists of the name of the element wrapped in opening and closing angle brackets. Example: `<p>`
- **Closing Tag:** This is the same as the opening tag, except that it includes a forward slash before the element name Example: `</p>`



Parts of Element are as Follows:

THE CONTENT: THIS IS THE CONTENT OF THE ELEMENT, WHICH IN THIS CASE, IS JUST TEXT.

THE ELEMENT: THE OPENING TAG, THE CLOSING TAG, AND THE CONTENT TOGETHER COMPRISE THE ELEMENT.



ELEMENTS CAN ALSO HAVE **ATTRIBUTES**

ATTRIBUTE



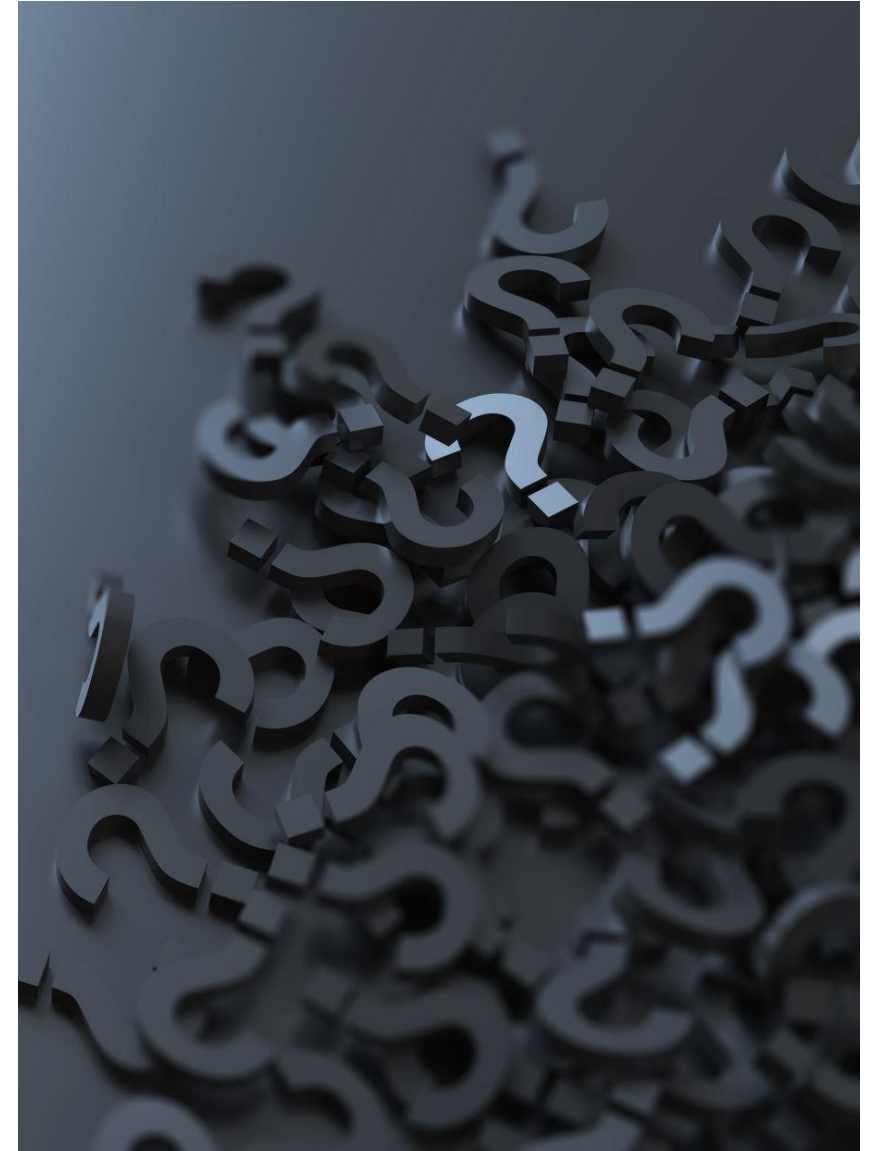
```
<p class="First-Note" > MY NAME IS ABC </p>
```

CONTENT

ELEMENT

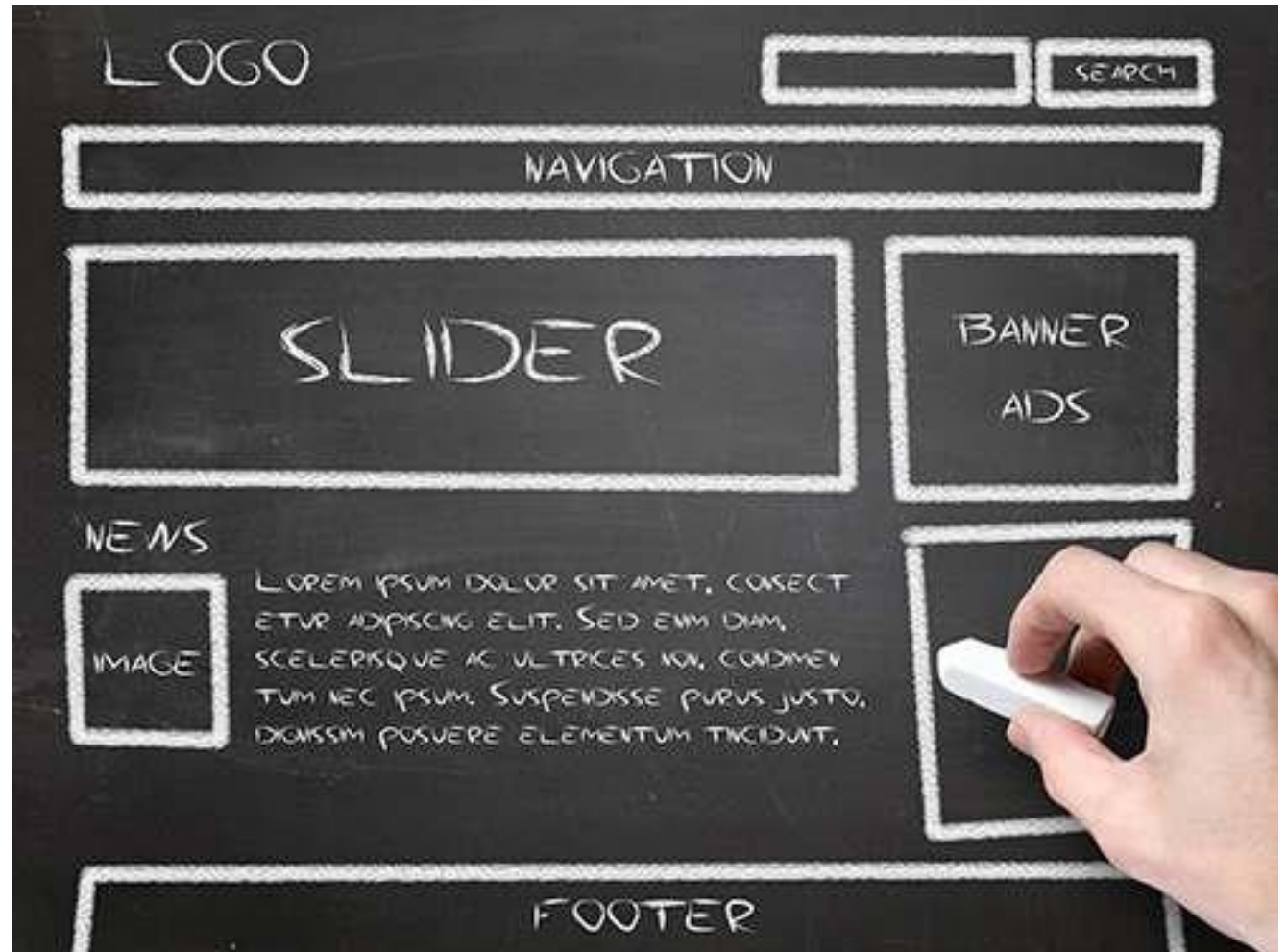
HTML Attributes

HTML elements can have attributes.
Attributes provide additional
information about the element
Attributes come in name/value pairs
like `charset="utf-8"`



Parts of Website

www.techloset.com



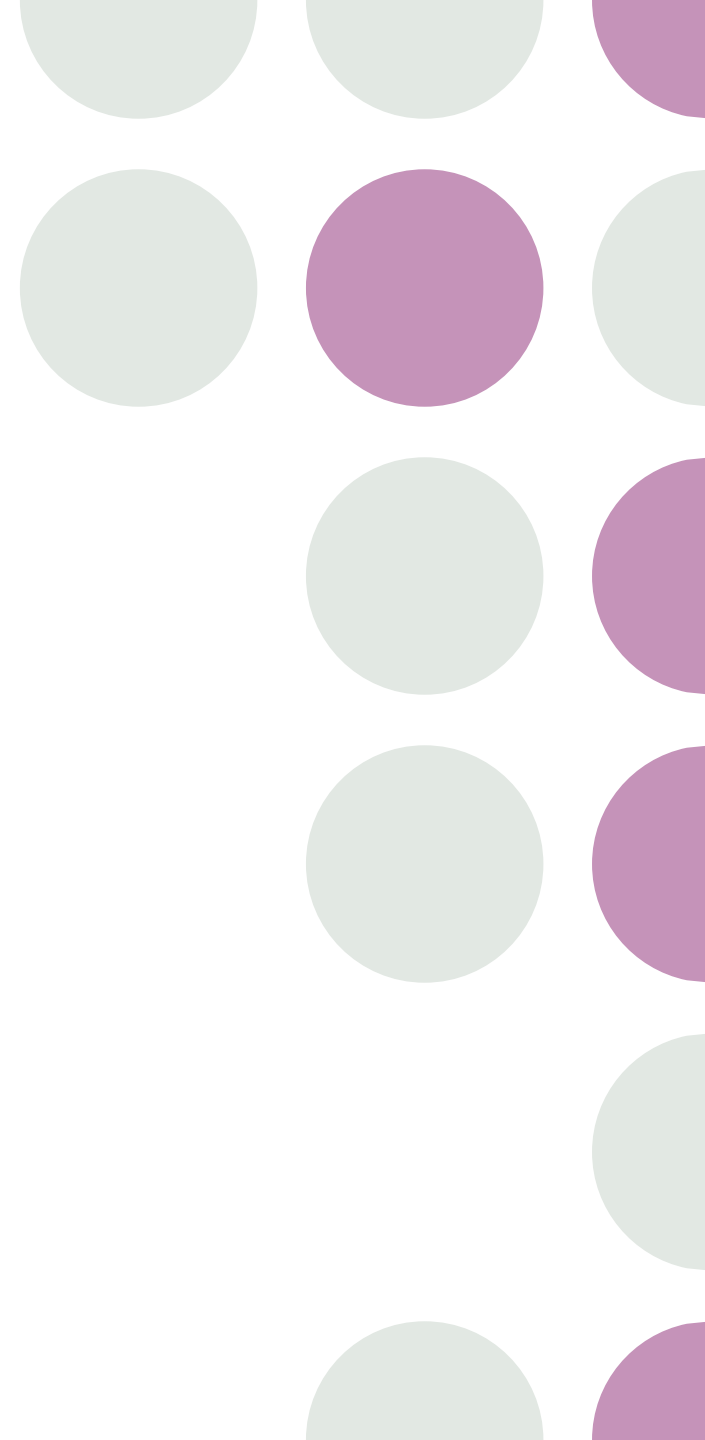
Web and Mobile App Development

Lecture #4

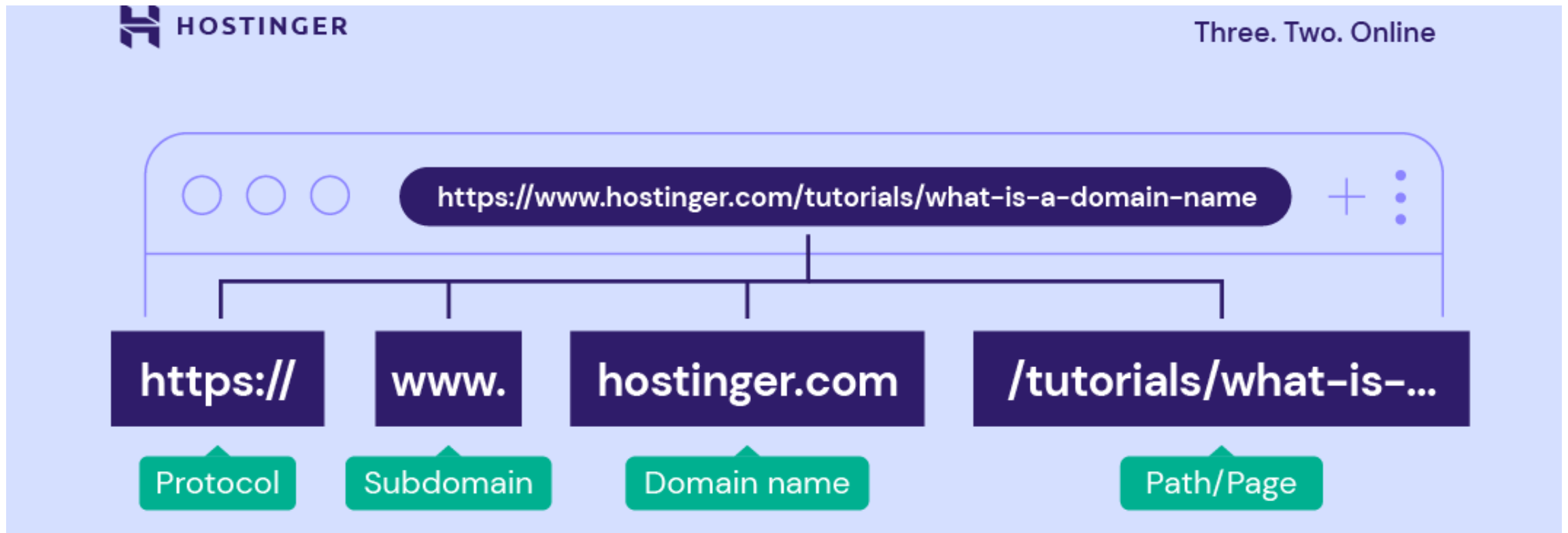


What is URL? Universal Resource Locator

The URL makes it possible for a computer to locate and open a web page on a different computer on the Internet. An example of a URL is **<https://www.techloset.com>**, the URL for TechloSet's website.



Parts of URL

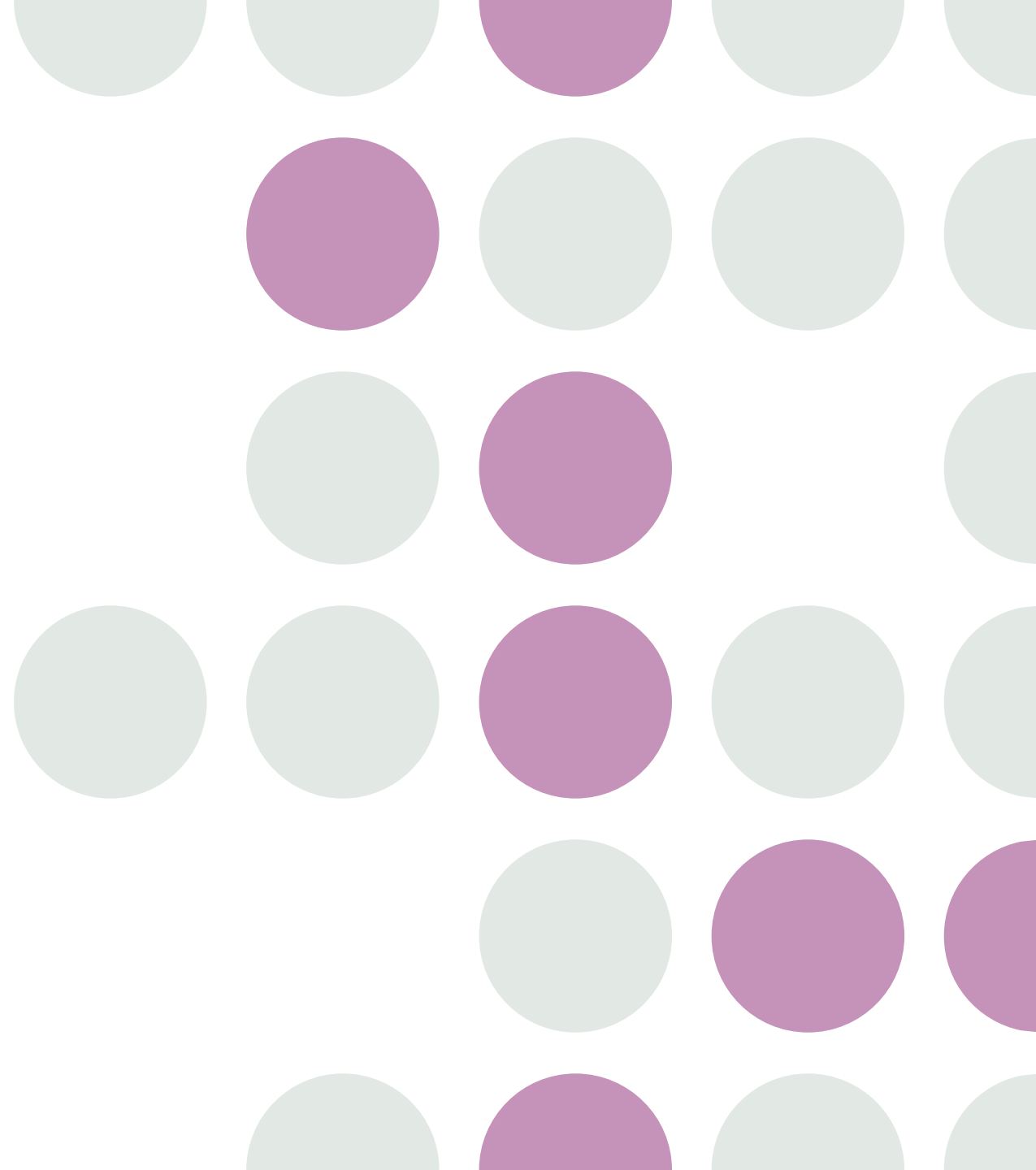


Http(Hyper Text Transfer Protocol)

It allows your web browser (i.e. Google Chrome, Mozilla Firefox, or Safari etc) to communicate with the server where any given website is hosted.

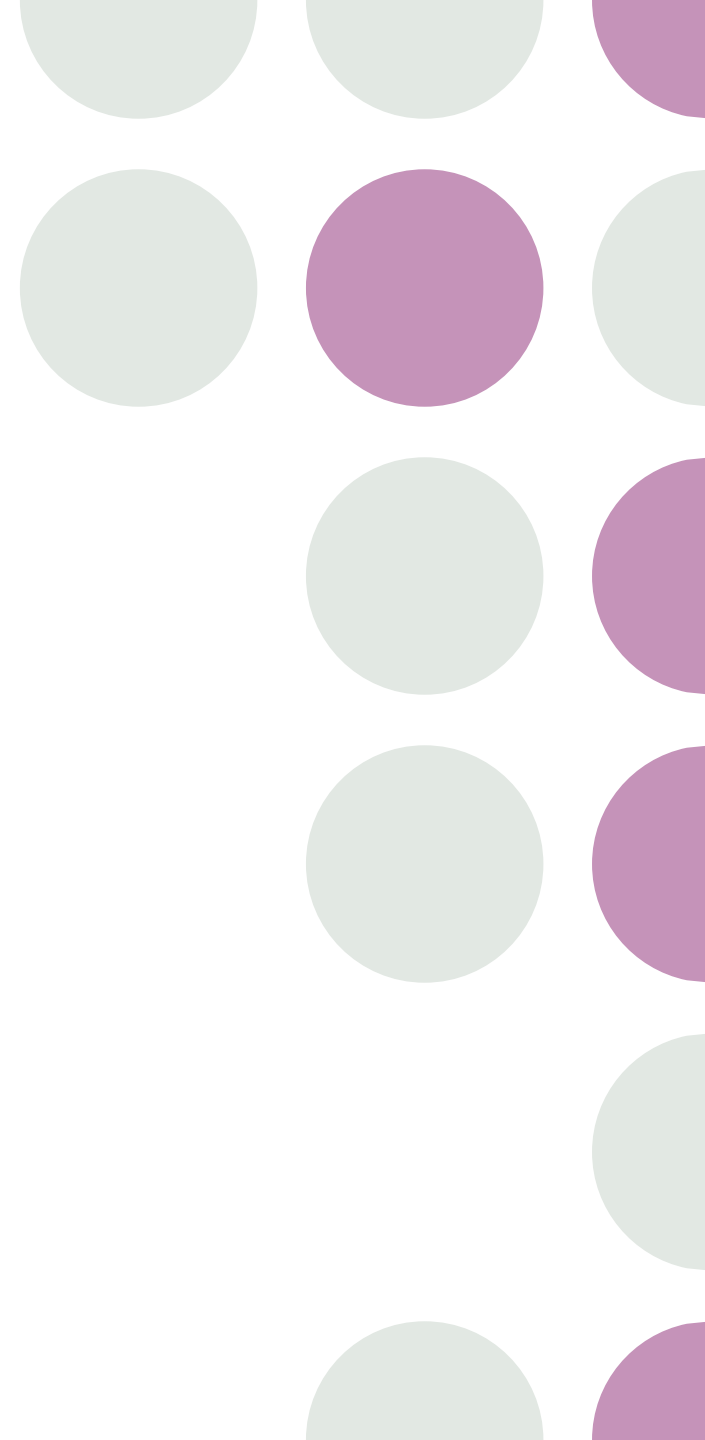
*Protocols transmit information

*Hypertext > Immediately accessible



WWW

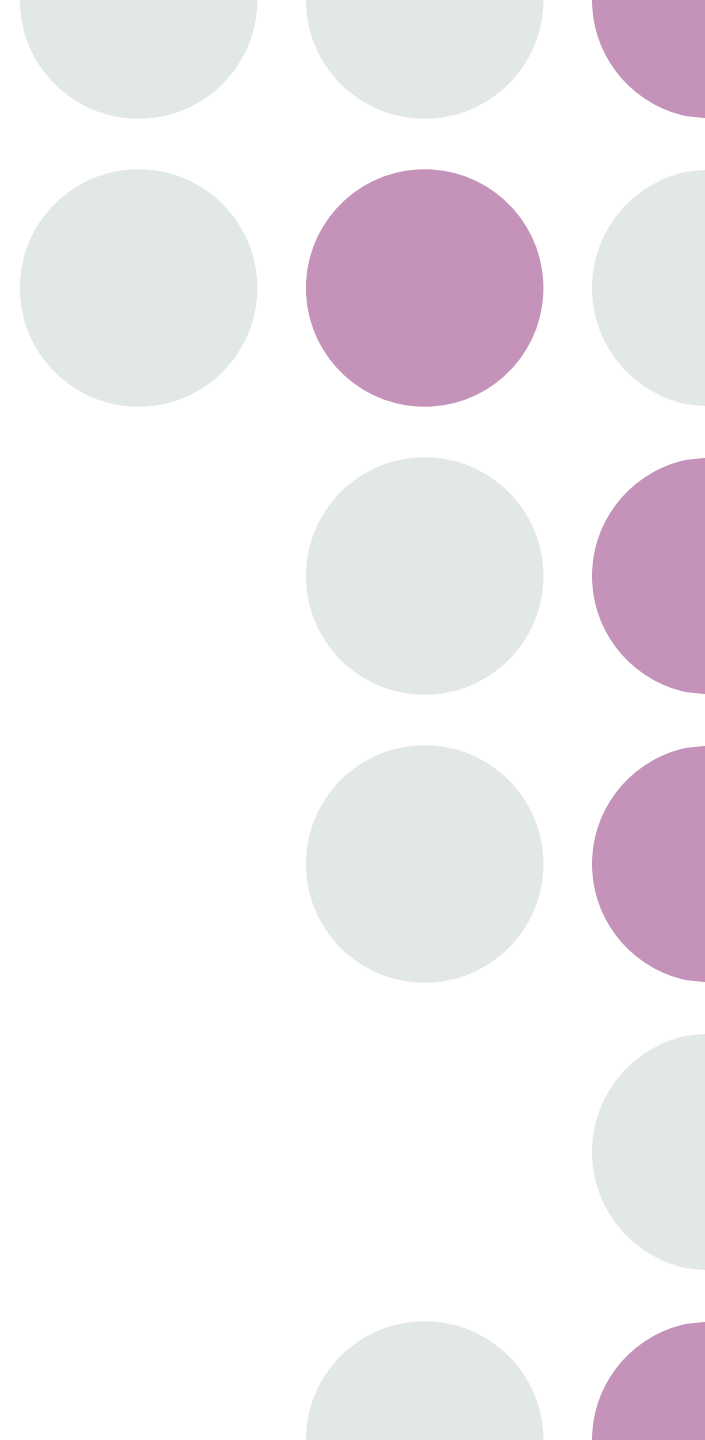
The www is not part of your domain name. It is a web server configuration setting that some servers use, and some do not. By default, a web server will show your website at both `www.mywebsite.com` and `mywebsite.com`.



Domain Name

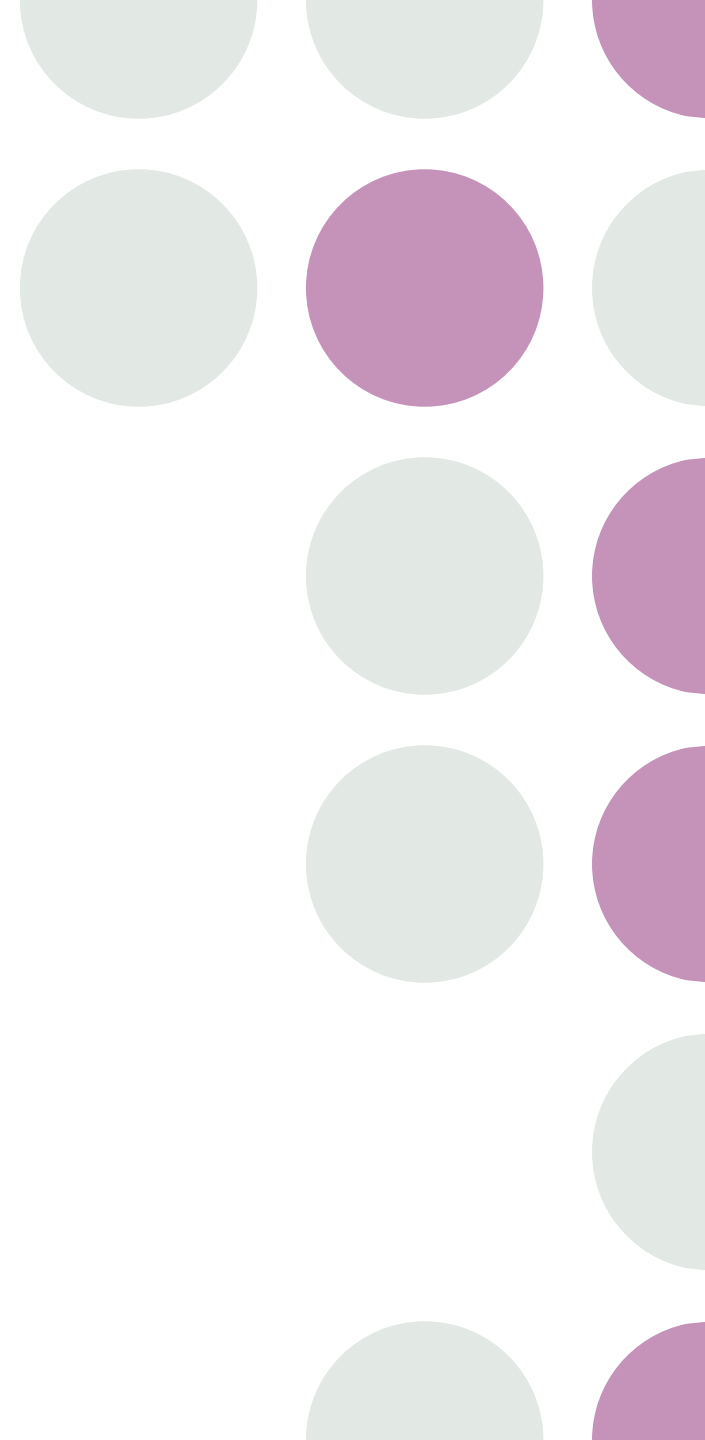
A domain name is a string that identifies a realm of administrative authority or control within the Internet.

an easy-to-remember name that's associated with a physical IP address on the Internet.



Web Hosting

Web hosting is an online service that **enables you to publish your website or web application on the internet**. When you sign up for a web hosting service, you basically rent some space on a physical server where you can store all the files and data necessary for your website to work properly.



Web Servers

An open-source web server is used for accessing the world wide web through public domain software. These servers connect stored information from an internet website to your own computer. Web servers store information for the internet that is retrieved via "HTTP" code and sent to your web browser. This is one of the most widely used types of servers.



Domain and Hosting Providers





GoDaddy

Namecheap

HostGator

BlueHost

Hostinger

Let's Create our First Website and Host it

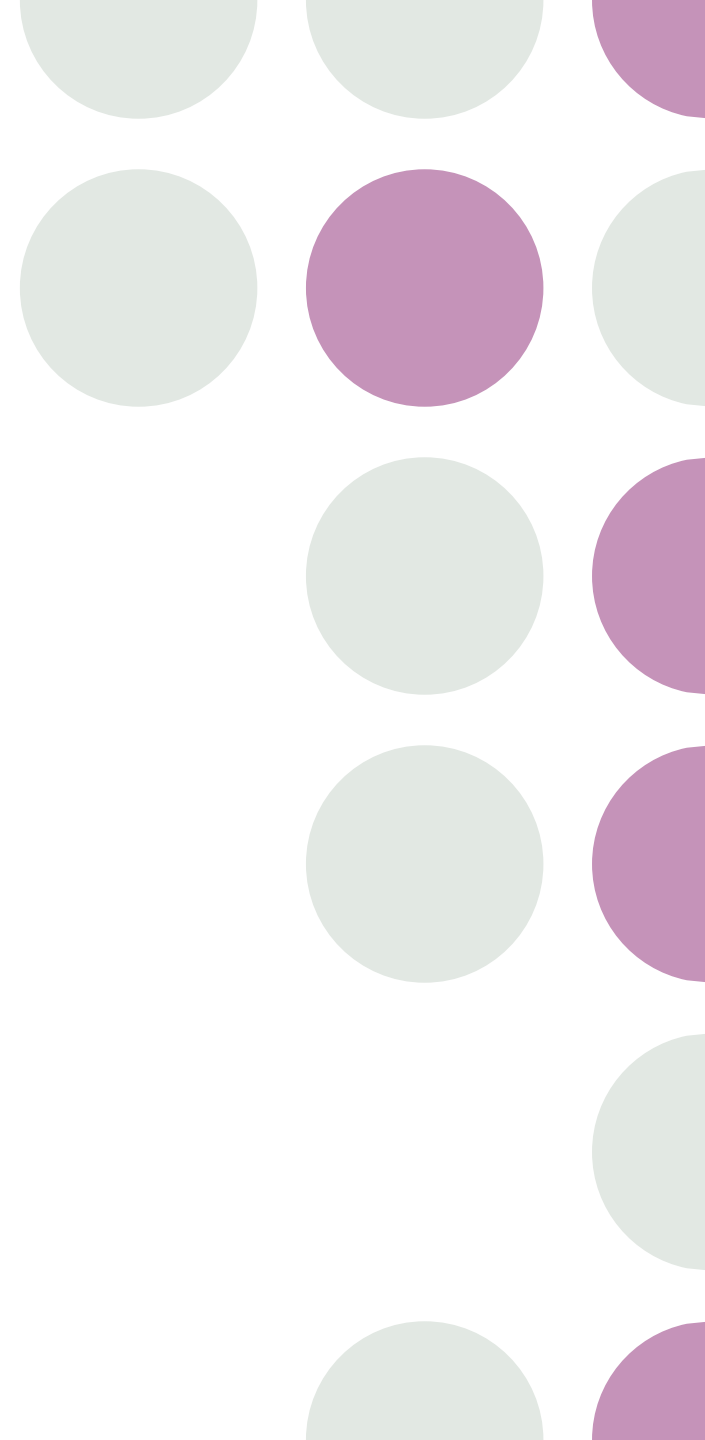


VS Setup

- Open VS Code
- Go to > Extensions
- Install > Open Browser Preview

OR

- Install > Live Server
-



HTML File

- In VS Code > File > New File
- Choose Language > HTML
- Add " ! " Hit Enter
- Modify your text and > CTRL + S
- Save into your desired Folder
- Right click your vs code file and preview in Browser
- Your website is now open locally

How to host your website for Free?

1

Sign up on
Firebase

2

Create Project

3

Choose Hosting
> Get Started



Install Nodejs in your system

Back to your Desktop

- Open your folder that Contains your website.
 - Open Terminal (CMD)
 - Type Command Firebase Login
 - Verify your account
 - Follow Firebase Instructions on Hosting Page
 - Change your Index.html in Public folder before using “Firebase Deploy”
-

