

# Essentials of Web Development

## CSCI 1210

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Custom Fonts

[Print to PDF](#)

Setting Up a Domain

## Fonts

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Typography

## Fonts

One catch to the font-family property:

The display font must be installed on the client machine to work. This is why we've been specifying a 'fallback' font when we use the font-family property - e.g.,

**font-family: Arial, Helvetica, sans-serif;**

If Arial and Helvetica aren't installed on the client's computer, the browser will pick the first sans-serif font it finds that is

## Fonts

There are a couple of things we can do about this, however

HTML & CSS3 includes functionality to 'serve' up a custom font from the server to the client, but, being CSS3 and not fully adopted yet, we can't count on it working for all browsers

You have to be careful to use fonts that aren't copyrighted

Additionally, you're adding a little bloat to your code base and, potentially taking a performance hit

# Fonts

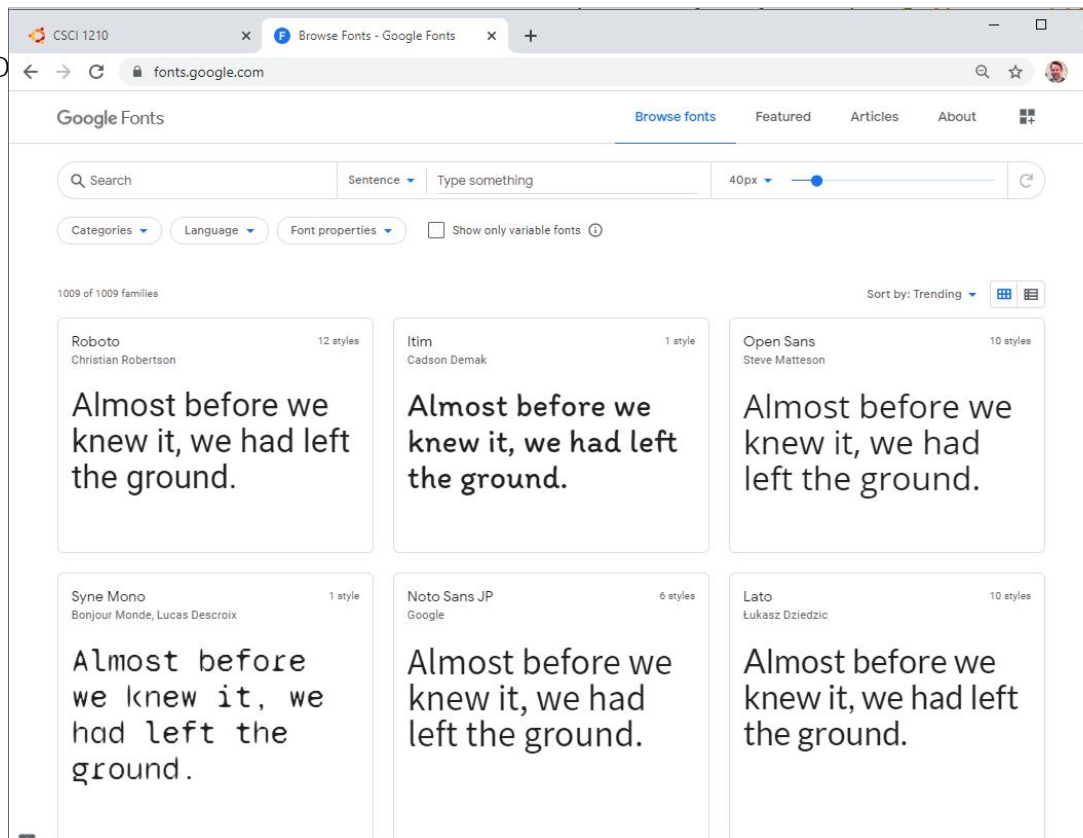
Another option is  **[Google Fonts \(https://fonts.google.com/\)](https://fonts.google.com/)**

Google has a bunch of free fonts (hundreds? thousands?) to offer

They include downloading the fonts and adding them to your site for the previous option

But another option is just to add a link (that Google provides) to your pages

Font

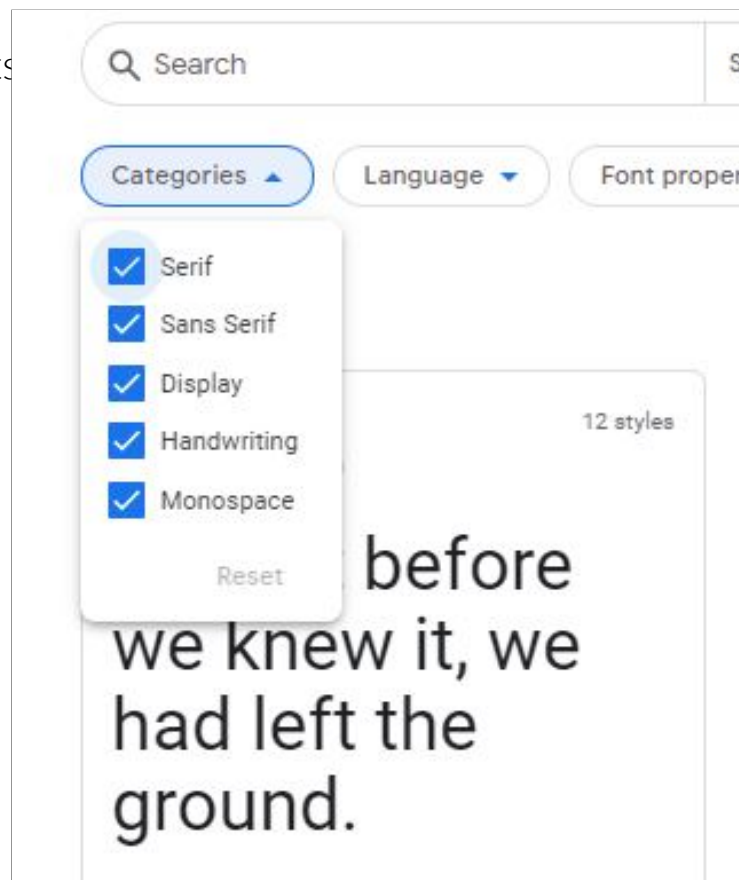


# Google Fonts

## Five Steps

1. Navigate to Google Fonts
2. Select the font(s) you want to use
3. Click on 'Use'
4. Copy the link into your HTML document's head element
5. Add the font name's value to the font-family property in your CSS

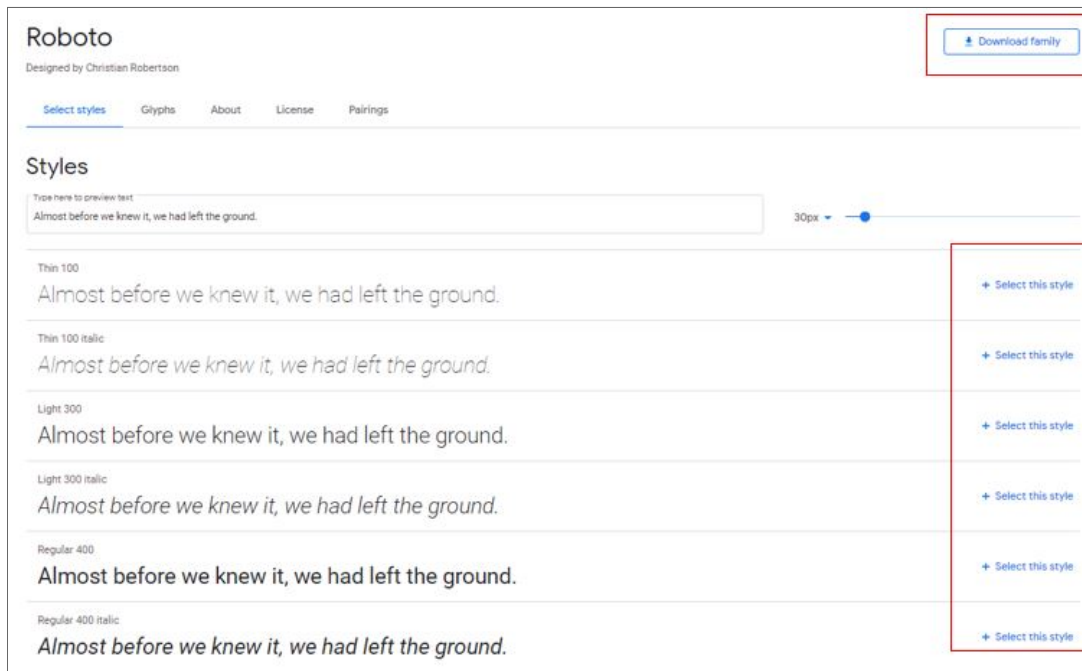
Google Fonts



Google Fonts



Google Fonts



Google Fonts

Review

Roboto

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Use on the web

To embed a font, copy the code into the <head> of your html

<link>  @import

HTML

```
<link href="https://fonts.googleapis.com/css2?family=Roboto:wght@300;400&display=swap" rel="stylesheet">
```


CSS

CSS rules to specify families

```
font-family: 'Roboto', sans-serif;
```

Google Fonts

**BEFORE**



## The Integrated Circuit

*A brief history*

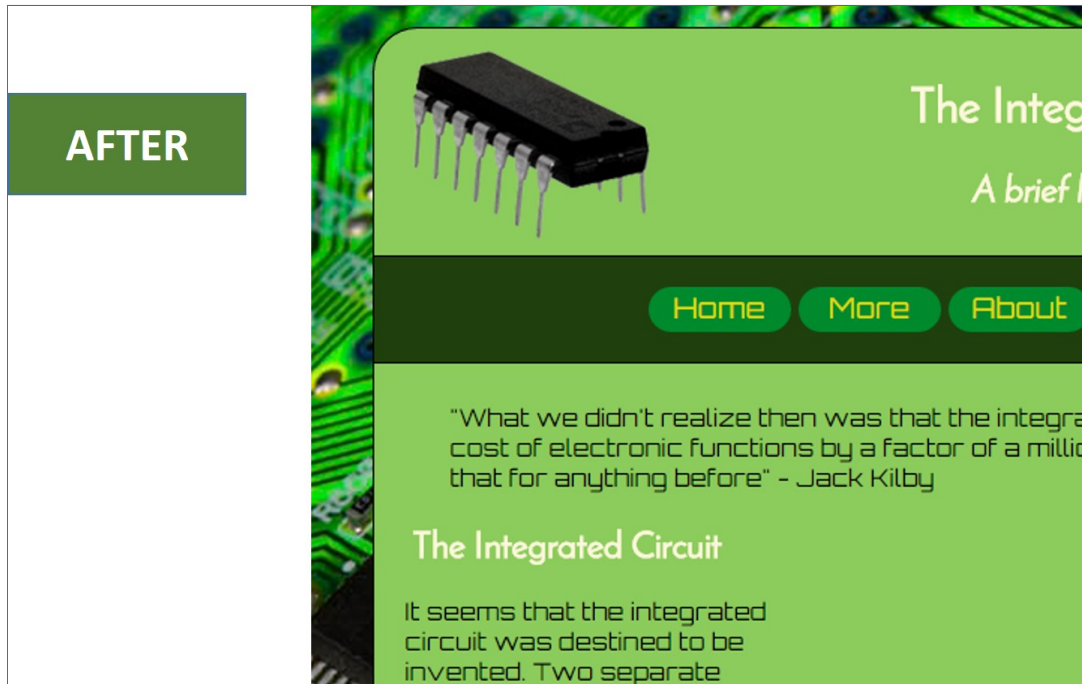
[Home](#) [More](#) [About](#)

"What we didn't realize then was that the integrated circuit would factor of a million to one, nothing had ever done that for anything"

### The Integrated Circuit

It seems that the integrated circuit was destined to be invented. Two separate inventors, unaware of each other's activities,

## Google Fonts



A note of caution...

You should use external fonts like this sparingly as they introduce performance overhead

The browser has to pull the font information from an external source

On a high-traffic site, this could become a noticeable issue

# Purchase & Configure a Domain

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## Your Own Website

So, you've developed a site, either for yourself, or for a client

Now it's time to get it out there...

We refer to this as deployment

First thing, you're going to need a domain



## Your Own Website

As part of the development of a web site, you'll probably have a web-visible development server that isn't advertised, just to make sure that everything works properly before this step

Technically, it is still accessible to web users, but doesn't have a domain name

How can we do this? By using the server's IP address in place of a domain name


E.g., `54.45.237.155/index.html`


So, while it is accessible, it's almost invisible to search engines

## Your Own Website

But when it's time to roll it out, the next logical step is to provision a domain

There are many companies from whom you can purchase a domain

The  **Internet Corporation for Assigned Names and Numbers (ICANN) (<https://www.icann.org/>)** is the agency that is actually responsible for, among other things, domain registration

Other companies, such as  **Internet Corporation for Assigned Names and Numbers (ICANN) (<https://www.icann.org/>)**, GoDaddy, act as middlemen between their customers and ICANN

## Your Own Website

The following slides use illustrations from GoDaddy

But GoDaddy is not, by far, the only company from whom you can purchase a domain

## Your Own Website

Great.

GoDaddy has completely redesigned their UI

Thus invalidating all of my screenshots

~~ Sigh ~~

**GoDaddy** Domains Websites WordPress More Help Center John

Find your perfect domain  .cfd \$9.99\* .US \$1.00 biz \$7.99\* store \$2.99\*

Online Store **Sell your products everywhere.** [Start for Free](#) No credit card required\*\*

Sarah Small wickergoddess.com

Domain Names **Grab a .com for just \$11.99\*/1st yr** [Find Your Domain](#) [Transfer Your Domains](#)

**GoDaddy** Domains Websites WordPress More Help Center John

hieronymous  .cfd \$9.99\* .US \$1.00 biz \$7.99\* store \$2.99\*

Online Store **Sell your products everywhere.** [Start for Free](#) No credit card required\*\*

Sarah Small wickergoddess.com

Domain Names **Grab a .com for just \$11.99\*/1st yr** [Find Your Domain](#) [Transfer Your Domains](#)

# GoDaddy

GoDaddy Domains Websites More Help Center John

hieronymous

**hieronymous.co**  
Your domain is available!  
~~\$34.99~~ \$11.99 for the first year  
Add to Cart

**Why it's great.**

- ✓ hieronymous is 15 characters or less.
- ✓ This domain name contains popular keywords.
- ✓ Includes Basic Privacy Protection.

hieronymous.com is taken  
We still might be able to get it for you. [See How](#)  
Broker Service Fee \$69.99 Add to Cart

hier-onymous.com  
~~\$17.99~~ \$11.99 for the first year Add to Cart

hieronymous.org  
~~\$20.99~~ \$9.99 for the first year Add to Cart

# GoDaddy

GoDaddy Domains Websites More

hieronymous

**hieronymous.co**  
Your domain is available!  
~~\$34.99~~ \$11.99 for the first year  
Remove

hieronymous.com is taken  
We still might be able to get it for you. [See How](#)  
Broker Service Fee \$69.99

hier-onymous.com

hieronymous.org

**Basket (1)**

Your Items Subtotal: \$151.95


**hieronymous.co**  
.CO Domain Registration  
5 Years 13% off \$151.95  
1st year \$11.99  
2+ years \$34.99  
Renews at \$34.99/yr

Continue to Cart

Continue Shopping

GoDaddy Domains Websites More

hieronymous



Your domain is available!

**hieronymous.co**  
~~\$34.99~~ \$11.99 for the first year

Remove

**Basket (1)**

Your Items Subtotal: **\$151.95**

**hieronymous.co**  
.CO Domain Registration **\$151.95**  
1st year \$11.99  
2+ years \$34.99

5 Years 13% off ^  
1 Year  
2 Years  
3 Years  
5 Years 13% off

to Cart  
opping

GoDaddy Domains Websites More Help Center John

**170,000 times every year.**

That's how often criminals attempt to steal domains. If your business is built on your domain, you need protection. Full Privacy & Protection makes sure that you won't lose your domain - not by hijacking, not even if your credit card expires. <sup>2</sup>

- Make it virtually impossible for your domain to be hijacked
- Hold on to your domain even if your credit card expires
- Prevent spam with a private forwarding email address

We highly recommend **Full Domain Privacy & Protection**, but it is an **optional** feature.

Select plan

- Full Domain Privacy & Protection** \$9.99/domain per year [View Details](#)
- Ultimate Domain Protection & Security** \$14.99/domain per year ~~\$29.99~~ [View Details](#)
- No Thanks** [View Details](#)

Continue to Cart

GoDaddy Domains Websites More Help Center John

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[View Details](#)

**Ultimate Domain Protection & Security** \$14.99/domain per year ~~\$29.99~~  
[View Details](#)

**No Thanks**  
[View Details](#)

[Continue to Cart](#)

hieronymous.co \$11.99  
.CO Domain Registration 65% off  
1 Year  
Renews at \$34.99/yr

**Full Domain Privacy & Protection** \$9.99  
1 year  
Renews at \$9.99/yr

**Website Builder Free Trial** \$0.00  
Free through 11/30/2020 1 month

[View offer disclaimers](#) [Empty Cart](#)

**Subtotal (USD) \$21.98**

Subtotal does not include applicable taxes

[Have a promo code?](#)

[Checkout](#)

GoDaddy

<b>hieronymous.co</b> .CO Domain Registration 1 Year <input type="button" value="v"/> Renews at \$34.99/yr	<b>\$11.99</b> 65% off <input type="button" value="trash"/>
<b>Full Domain Privacy &amp; Protection</b> Renews at \$9.99/yr	<b>\$9.99</b> 1 year <input type="button" value="trash"/>
<b>Website Builder Free Trial</b> Free through 11/30/2020	<b>\$0.00</b> 1 month <input type="button" value="trash"/>
<a href="#">View offer disclaimers</a>	<input type="button" value="trash"/> <b>Empty Cart</b>
Subtotal	\$21.98
<b>Taxes &amp; Fees</b>	\$0.00
<a href="#">Have a promo code?</a>	
<b>Total (USD)</b>	<b>\$21.98</b>
<input type="button" value="Complete Purchase"/>	

GoDad

<b>hieronymous.co</b> .CO Domain Registration 1 Year <input type="button" value="v"/> Renews at \$34.99/yr	<b>\$11.99</b> 65% off <input type="button" value="trash"/>
<b>Full Domain Privacy &amp; Protection</b> Renews at \$9.99/yr	<b>\$9.99</b> 1 year <input type="button" value="trash"/>
<b>Website Builder Free Trial</b> Free through 11/30/2020	<b>\$0.00</b> 1 month <input type="button" value="trash"/>
<a href="#">View offer disclaimers</a>	<input type="button" value="trash"/> <b>Empty Cart</b>
Subtotal	\$21.98
<b>Taxes &amp; Fees</b>	\$0.00
<a href="#">Have a promo code?</a>	
<b>Total (USD)</b>	<b>\$21.98</b>
<input type="button" value="Complete Purchase"/>	

## GoDaddy

### Additional Settings

Ownership Protection: **On**

**Manage Ownership Protection**

Locking prevents unauthorized changes, including transfer to another registrar.

Domain lock: **On** **Edit**

**Manage DNS**

[Transfer domain to another GoDaddy account](#)

Transfer domain away from GoDaddy (Disabled)

**Delete domain**

If you are going to host your site on a provider other than GoDaddy, you have to point GoDaddy at your provider

## GoDaddy

### Nameservers

Using custom nameservers **Change**

**Nameserver**

ns1.digitalocean.com
ns2.digitalocean.com



