HTTP

The World Wide Web of Resources

Scott Allen

pluralsight
hardcore developer training

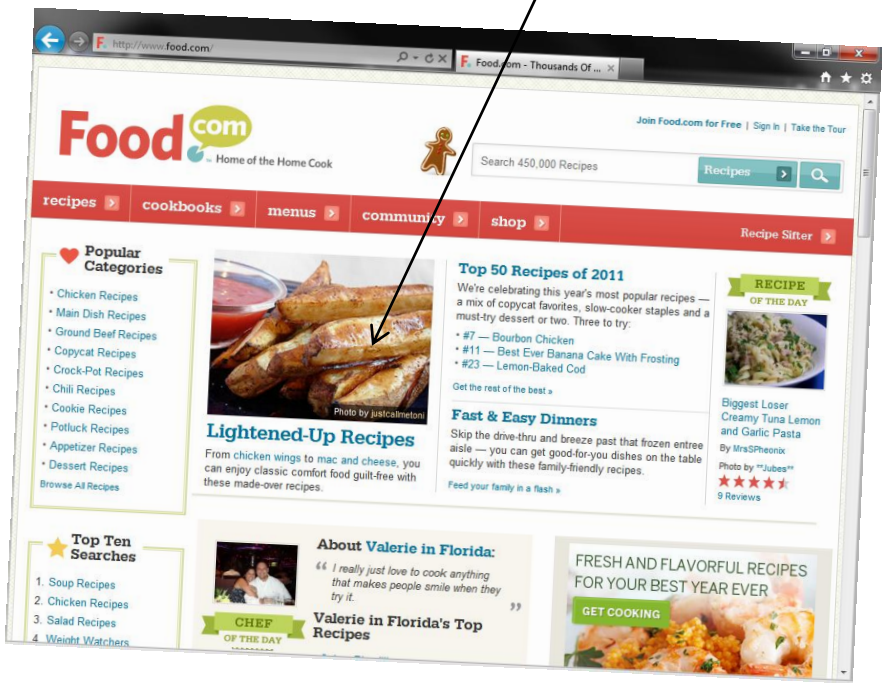
Outline

- Resources *
- Messages
- Connections
- Security
- Hardware

Uniform Resource Locator

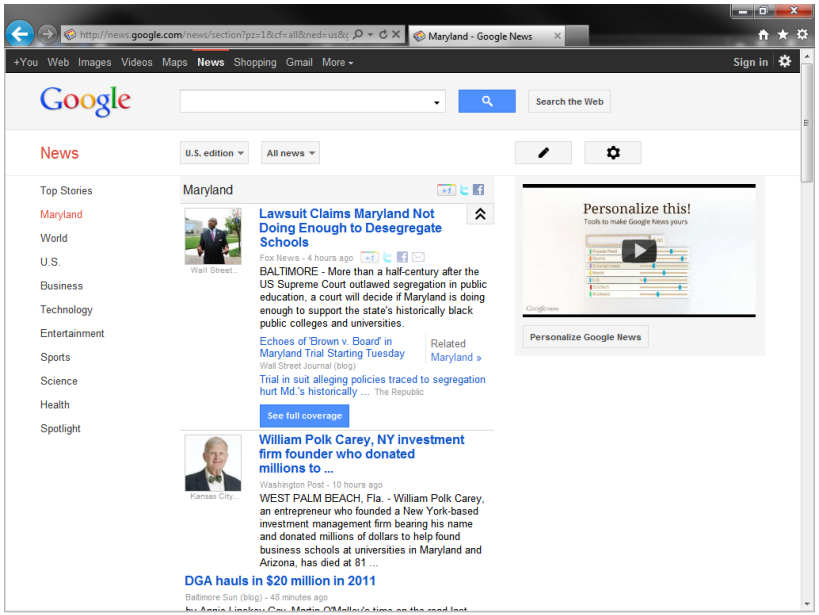
http://www.food.com/

Also a resource (an image)

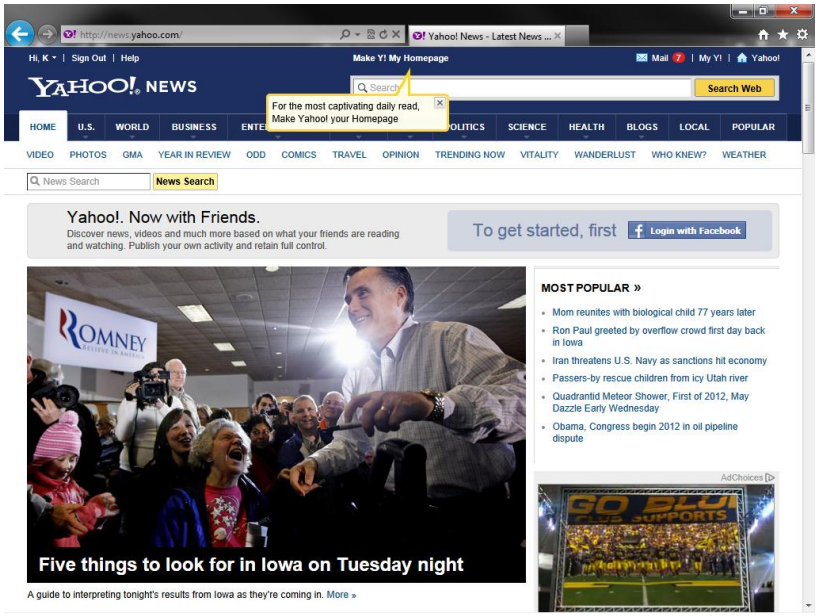


A resource (food.com home page)

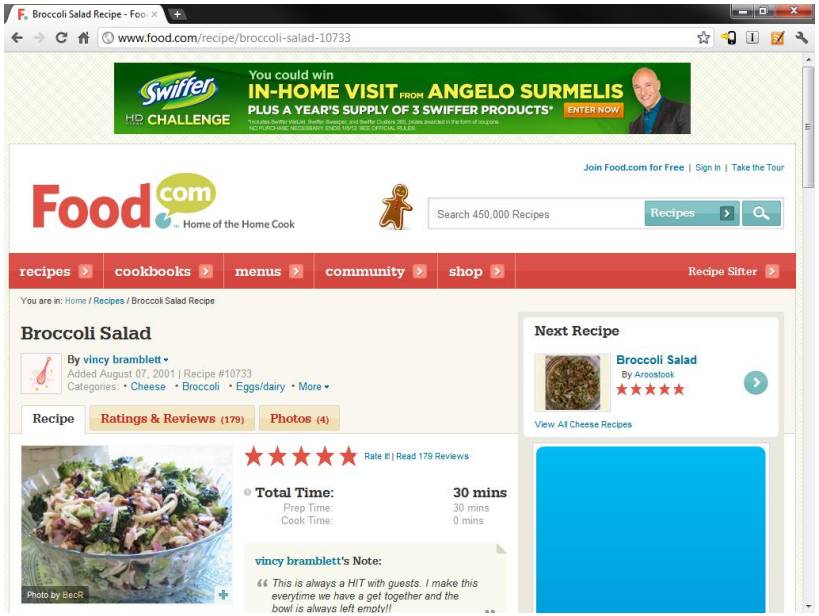
http://news.google.com



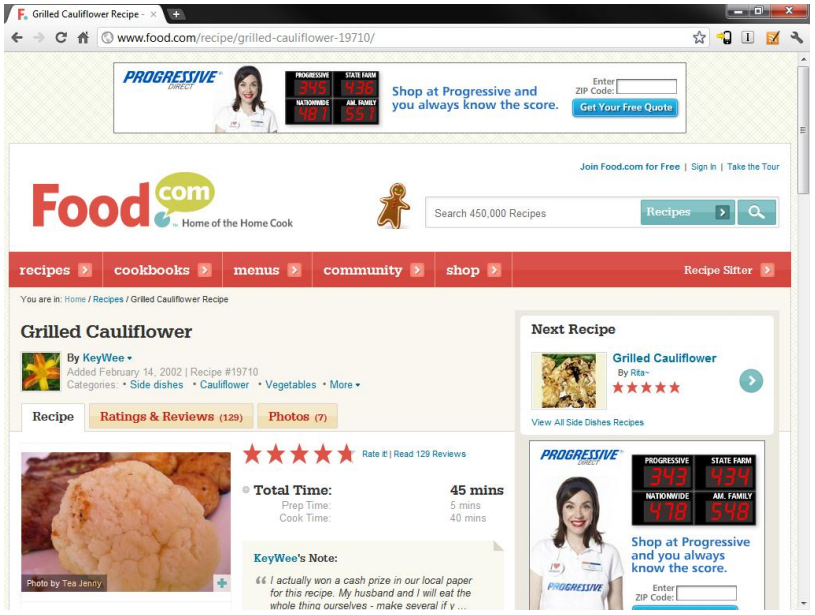
http://news.yahoo.com



http://food.com/recipe/brocolli-salad



http://food.com/recipe/grilled-cauliflower



http://food.com/recipe/grilled-cauliflower

URL Scheme

Host

URL Path

ftp://server.com/d[illegible]ad/tpsreport.pdf

mailto://scott@ode[illegible]de.com

DNS Server

Q: Where is food.com?
A: It's at IP address 204.78.50.82

http://food.com/images/logo.jpg

Broccoli Salad Recipe - Foo

www.food.com/recipe/broccoli-salad-10733

You are in: Home / Recipes / Broccoli Salad Recipe

Broccoli Salad

By vincy bramblett

Added August 07, 2001 | Recipe #10733

Categories: • Cheese • Broccoli • Eggs/dairy • More

Recipe | Ratings & Reviews (179) | Photos (4)

4 Photos of Broccoli Salad

See All Photos

Rate it! | Read 179 Reviews

Total Time: 30 mins

Prep Time: 30 mins

Cook Time: 0 mins

vincy bramblett's Note:

"This is always a HIT with guests. I make this everytime we have a get together and the bowl is always left empty!!"

Ingredients:

Servings: 8-12 | Units: US | Metric

1 -2 head fresh broccoli (do not use frozen!)

1/2 cup red onion , chopped

1/2 lb bacon

2 1/2 tablespoons vinegar

RECIPE TOOLS

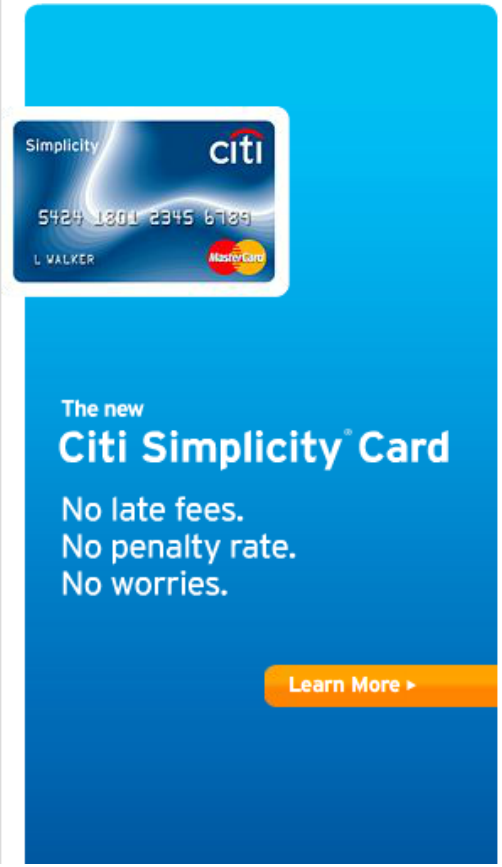
- Print Recipe
- View Full Screen
- Add a Private Note
- Add Your Photos
- Ask a Question
- Submit a Correction

Next Recipe

Broccoli Salad

By Aroostook

View All Cheese Recipes



```
<head>
        <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=7" />


        <link rel="shortcut icon" type="image/x-icon" href="http://www.food.com/favicon.ico"/>
        <link rel="stylesheet" href="http://food.sndimg.com/css/sni-rz.css" type="text/css" />




        <script src="http://food.sndimg.com/js/rz2/rz.min.js" charset="utf-8"></script>




        <script type="text/javascript">
                try{
                        SNI.Ads._adServerHostname = 'adsremote.scrippsnetworks.com';
                }catch(e){}

                mdManager = new MetaDataManager();
        </script>


<script type="text/javascript">
        mdManager.addParameter("adkey1","QUICK_AND_EASY");
        mdManager.addParameter("adkey2","empty");
        mdManager.addParameter("CategoryDspName","RECIPES");
        mdManager.addParameter("Classification","RECIPES,RECIPES,FOODCOM");
        mdManager.addParameter("keywordids","10,12,13,14,15,16,17,21,97,107,109,141,154,156,220,252,430,458");
        mdManager.addParameter("keywords","30_minutes_or_less,time_to_make,course,main_ingredient,cuisine,preparatio
casion,north_american,eggs_dairy,vegetables,american,easy,potluck,dinner_party,cheese,dietary,broccoli,to_go");
        mdManager.addParameter("SctnDspName","RECIPES");
        mdManager.addParameter("Site","FOODCOM");
        mdManager.addParameter("Type","RECIPE");
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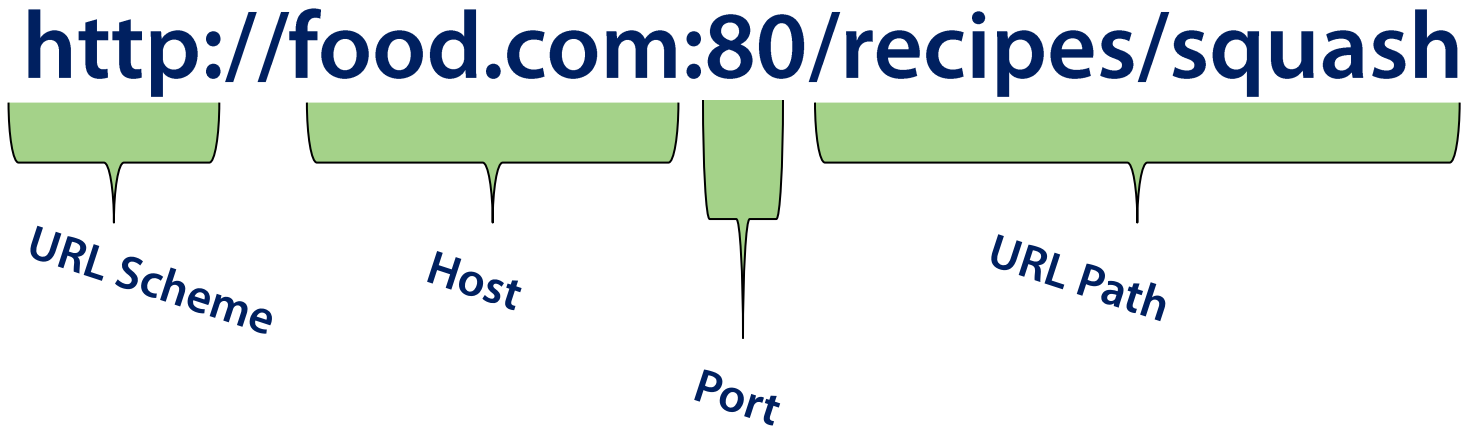
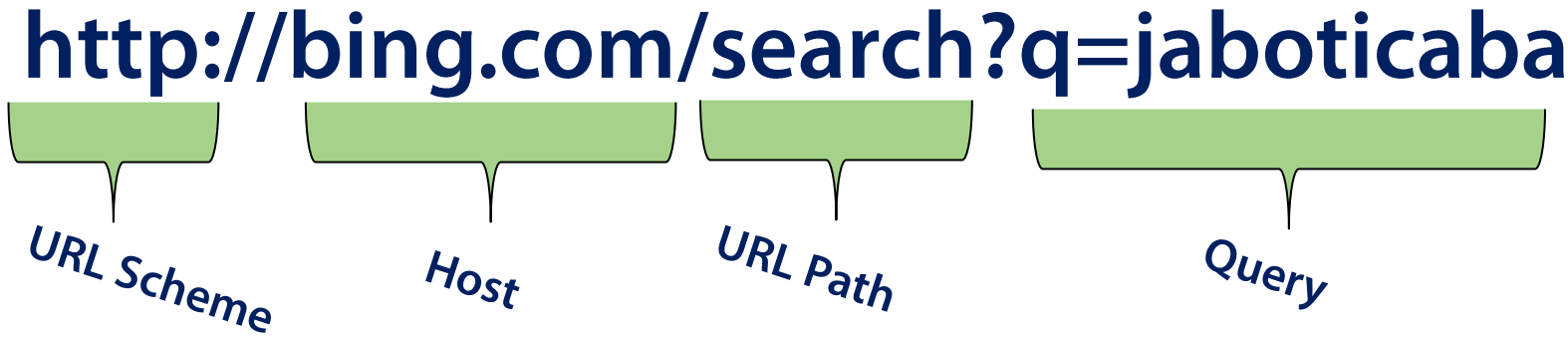
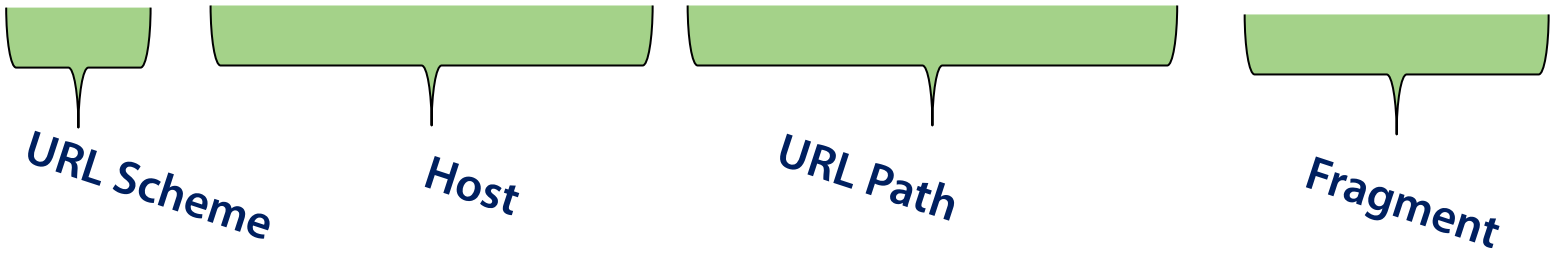

http://food.com:80/recipes/squash
URL Scheme
Host
Port
URL Path



http://hr-intranet/search?firstName=Scott&lastName=Allen

http://wikipedia.org/wiki/Jabuticaba#Description



http://host:8080/path?q=query#fragment

URL Encoding

Is that one space or two?

Safe Characters

abcdefghijklmnopqrstuvwxyz

1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ

$-_.+*’(),

Commonly Encoded Values

ASCII Character	URL-encoding
space	%20
!	%21
"	%22
#	%23
$	%24
%	%25
&	%26

For more, see: http://i-technica.com/whitestuff/urlencodechart.html

http://ps.com/scott%20allen

I want to view
http://pictureserver/funnycats.jpg

Content is type “image/jpeg”
Here is a bunch of 1s and 0s

Common MIME Types

Type/Subtype	Description
application/atom+xml	Atom feed
application/json	JSON data
image/gif	GIF image
image/png	PNG image
video/mp4	MP4 video
text/xml	XML
text/html	HTML
text/plain	Just text

Content Negotiation

I want broccoli recipes
http://foodserver/recipes/broccoli
P.S. Use HTML and French

Content is type “text/html”
<html> …. </html>

Where Are We?

- Resources
- URLs
- Representations