Computer Science E-75

Building Dynamic Websites

Harvard Extension School

http://cs75.net/

Lecture 7: Mashups

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THE BIG BOARD

brought to you by **C$75 Finance** and the number **2**

	Investor	NET WORTH	net Δ
1	Makazi Mtingwa	$18,027	↑ 80%
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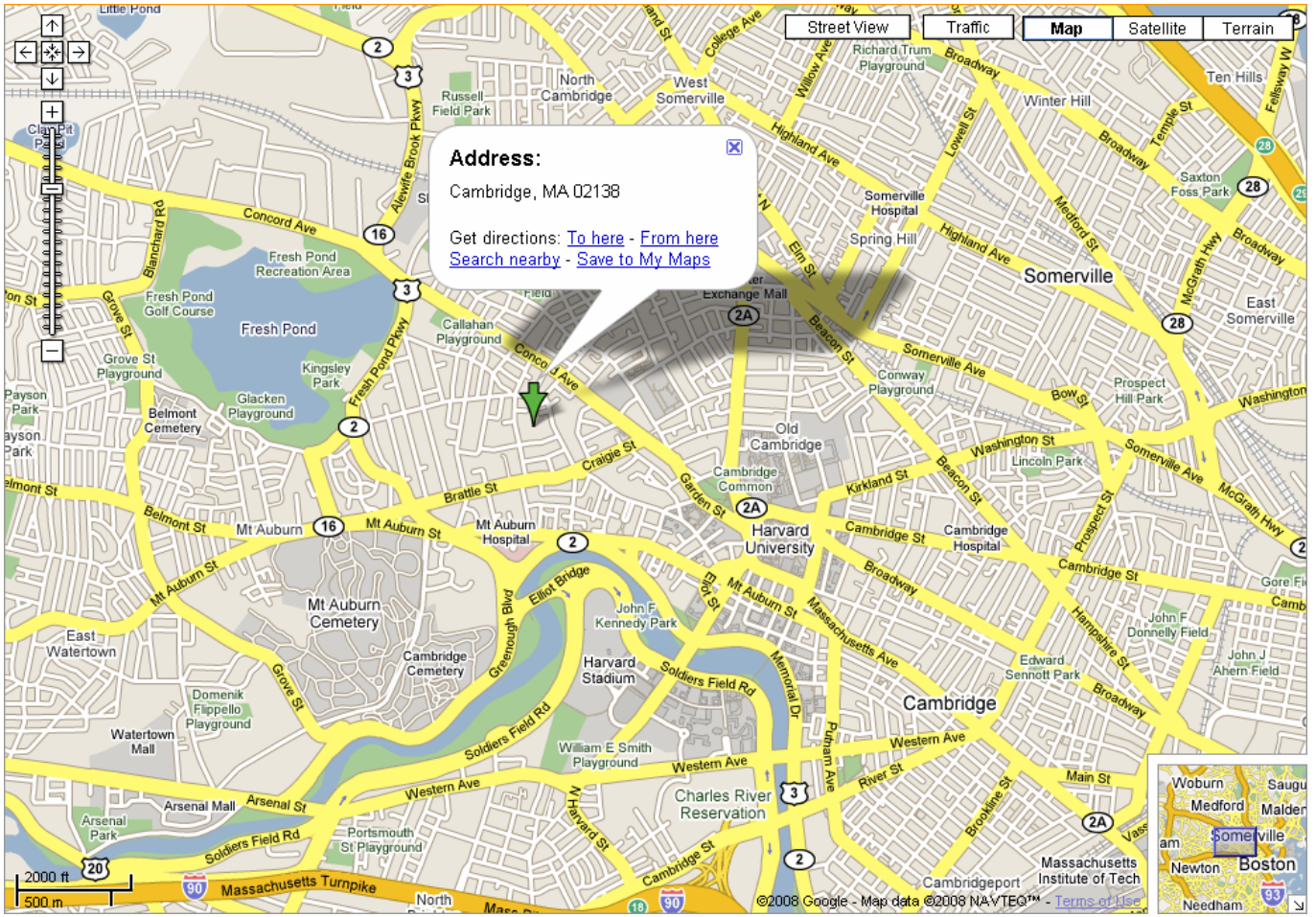
86	**Philipp Hanes**	$7,566	↓ 24%
87	**Robert Degnan**	$7,111	↓ 29%

Project 2

```
------------------------------------------------------------------------------
CODE
------------------------------------------------------------------------------

3 x correctness:    poor (1)    fair (2)    good (3)    better (4)    best (5)

2 x design:         poor (1)    fair (2)    good (3)    better (4)    best (5)

1 x style:          poor (1)    fair (2)    good (3)    better (4)    best (5)


------------------------------------------------------------------------------
CONFIGURATION
------------------------------------------------------------------------------

1 x correctness:    fair (1)    good (2)


------------------------------------------------------------------------------
PROSE
------------------------------------------------------------------------------

1 x correctness:    fair (1)    good (2)
```

Google Maps



Street View
Traffic
Map
Satellite
Terrain
Address:
Cambridge, MA 02138
Get directions: To here - From here
Search nearby - Save to My Maps
Somerville
Cambridge
Harvard University
Fresh Pond
Mt Auburn Cemetery
Harvard Stadium
Charles River Reservation
Massachusetts Turnpike
Massachusetts Institute of Tech
Cambridgeport
Boston
©2008 Google - Map data ©2008 NAVTEQ™ - Terms of Use

GMap2(container, opts?)

Creates a new map inside of the given HTML container, which is typically a DIV element. If no set of map types is given in the optional argument opts.mapTypes, the default set G_DEFAULT_MAP_TYPES is used. If no size is given in the optional argument opts.size, then the size of the container is used. If opts.size is given, then the container element of the map is resized accordingly. See class GMapOptions.

Excerpted from http://code.google.com/apis/maps/documentation/reference.html#GMap2.

setCenter(center, zoom?, type?)

Sets the map view to the given center. Optionally, also sets zoom level and map type. The map type must be known to the map. See the constructor, and the method addMapType(). This method must be called first after construction to set the initial state of the map. It is an error to call other operations on the map after construction.

Excerpted from http://code.google.com/apis/maps/documentation/reference.html#GMap2.

Latitude, Longitude

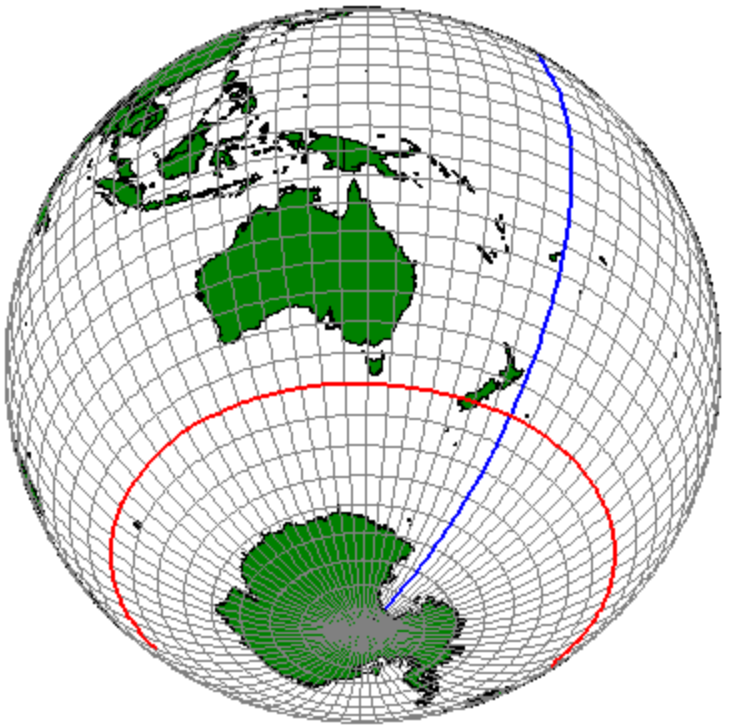


Image from http://www.utas.edu.au/spatial/locations/spalatit.html.

Latitude, Longitude

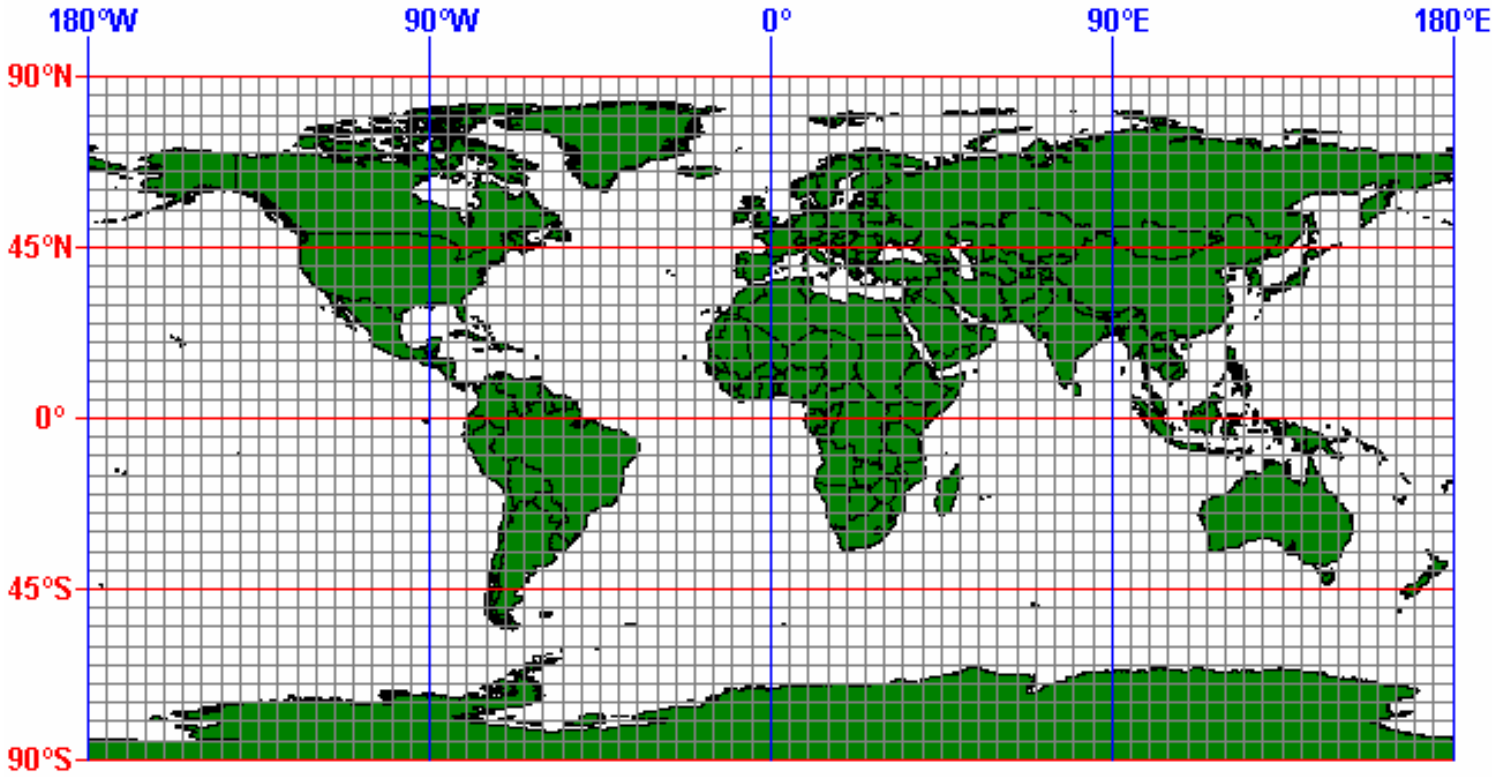


Image adapted from http://www.utas.edu.au/spatial/locations/spalatit.html.

Cambridge, MA 02138

- In degrees, minutes, seconds
  - 42° 22′ 30″ N, 71° 6′ 22″ W
  - + 42° 22′ 30″, – 71° 6′ 22″
- In decimal degrees
  - 42.375° N, 71.106111° W
  - + 42.375°, – 71.106111°

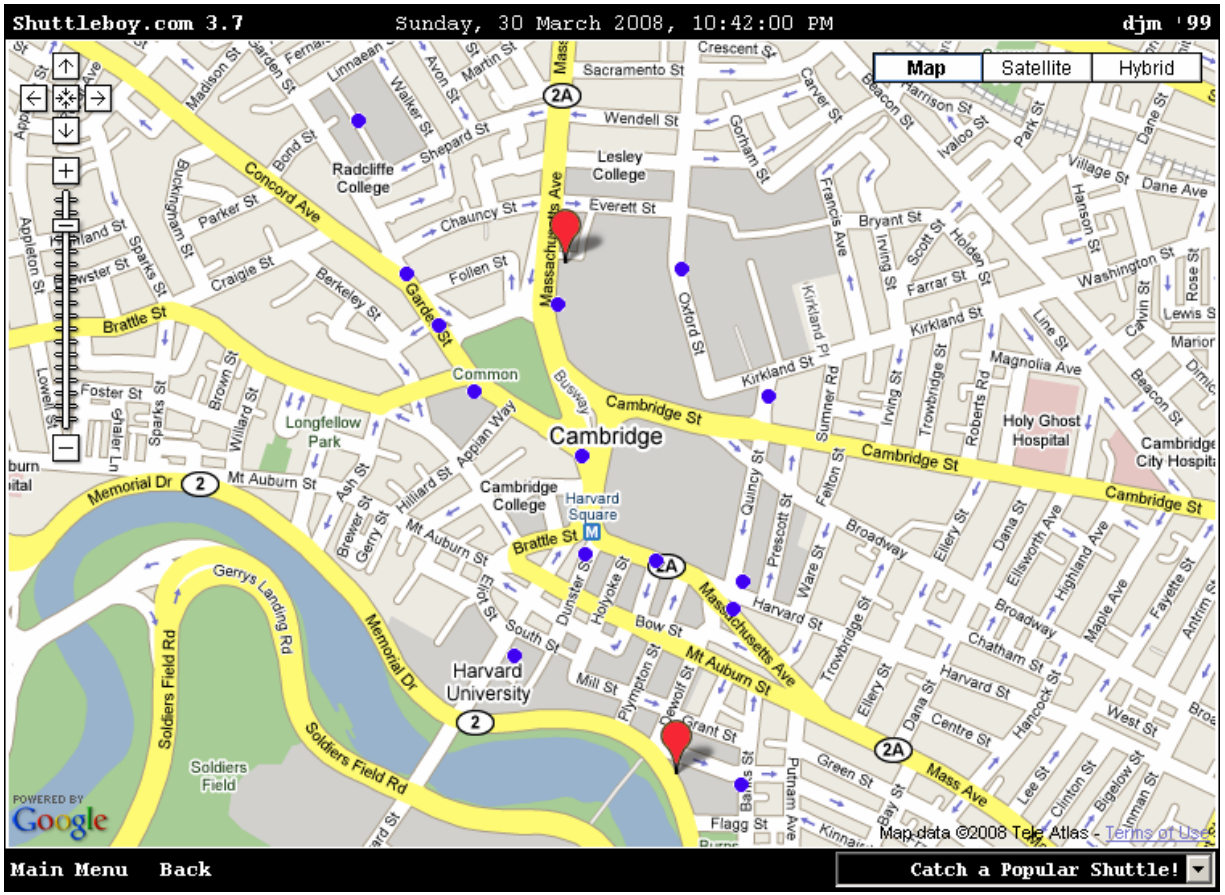
http://www.earthtools.org/

Google Maps API

- Basics
- Events
- Controls
- Overlays
- Services

http://code.google.com/apis/maps/documentation/
http://code.google.com/apis/maps/documentation/reference.html

Shuttleboy.com



Google News

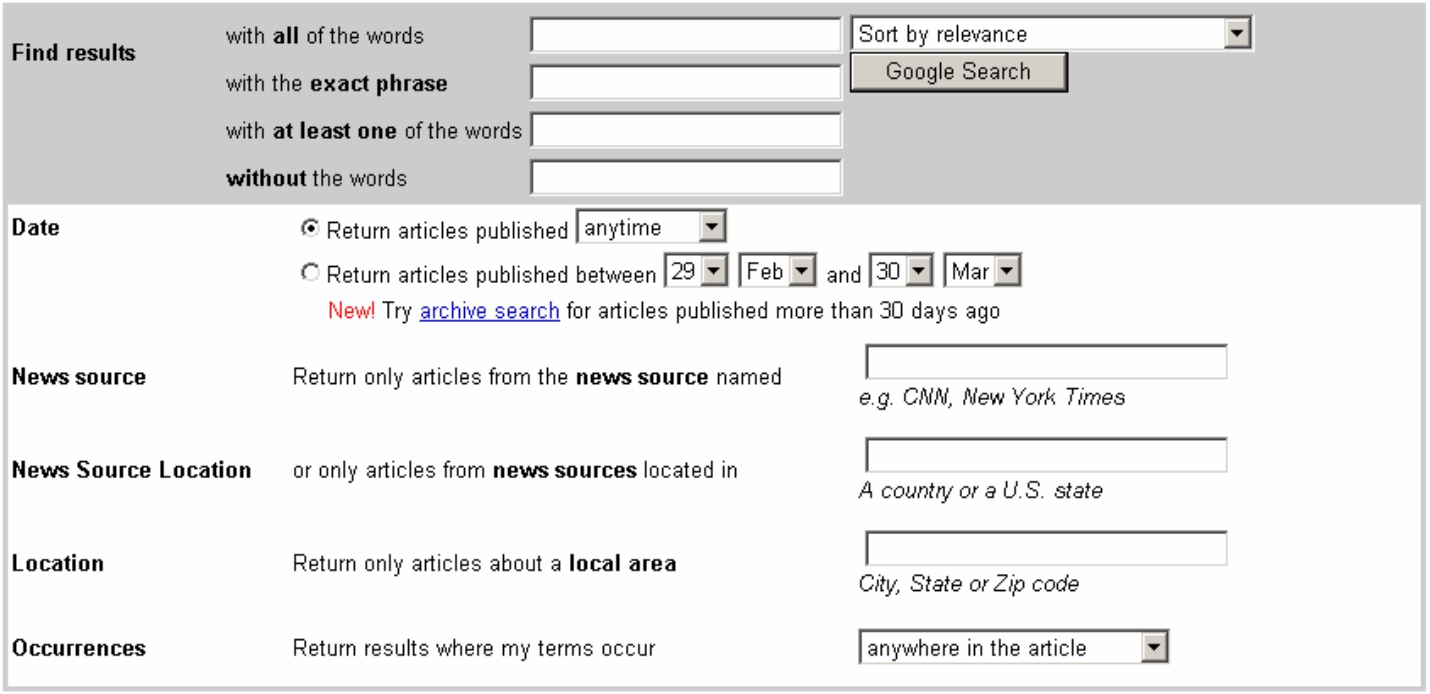


Image from http://news.google.com/.

RSS

http://cyber.law.harvard.edu/rss/rss.html

Image from wikipedia.org.

RSS

```
<?xml version="1.0" encoding="UTF-8"?>
<rss version="2.0">
    <channel>
        <title></title>
        <description></description>
        <link></link>
        <item>
            <guid></guid>
            <title></title>
            <link></link>
            <description></description>
            <category></category>
            <pubDate></pubDate>
        </item>
        [...]
    </channel>
</rss>
```

Project 3

0.1 Just a map
0.2 ... + form
0.3 ... + onsubmit + GMap2.setCenter
0.4 ... + GMarker + GInfoWindow
0.5 ... + RSS + Ajax
0.6 ... + $5.00 table
0.7 ... + moveend + zoomend
...

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