Walkthrough 8

Marta Bralic

Agenda

- Import
- Controls
- Search
- News

Import

- Top of file
  - #!/usr/bin/php
  - require constants.php
- go to phpMyAdmin and make a table
  - mysql_connect
  - mysql_select_db

CSV

- $fp
  - fopen like in pset5 and pset6
- skip first row of file
  - fgetcsv($fp)
- store data via while loop
  - $data = fgetcsv($fp)
    - $data[0] is zipcode
    - $data[1] is whether it is primary
    - $data[2] is population
- INSERT into your table
- fclose($fp)

Controls

- In load function
  - browse the API to add controls
    - http://code.google.com/apis/maps/documentation/introduction.html
    - http://code.google.com/apis/maps/documentation/controls.html
    - map.addControl()

Search

- form in index.html

```
<form action="" method="get" onsubmit="go(); return
   false;">
      <input autocomplete="off" id="q" size="50"
         type="text" />
      <input type="submit" value="Go" />
</form>
```

go()

- Example geocoding from API
  - Their “address” is our “q”, but ours is an id
  - document.getElementById("q").value is our version of “address”
  - lambda function that takes “point”
    - returned by geocoder
    - if (!point)
      - alert!
    - else
      - map.setCenter(point, 13);

Send to Proxy

- must have SW and NE coordinates first
  - var sw = bounds.getSouthWest();
  - var ne = bounds.getNorthEast();
- look at ajax examples from lecture
  - prepare request
  - prepare URL
    - var url = "proxy.php?sw=" + sw.lat() + "," + sw.lng() + "&ne=“ + […]
  - send request
    - request.open("GET", url, true);

Proxy News

- http://news.google.com/news?geo=02138&output=rss
  - 10 articles about 02138
- proxy.php
  - takes coordinates of SW and NE
  - returns JSON (JavaScript Object Notation)
    - cities is an array – 5 biggest cities
    - articles is an array within each city – 10 for each

Get Response

- var cities = eval("(" + request.responseText + ")");
  - will evaluate this string as js
- for (var i = 0; i < cities.length; i++)
  - for (var j = 0; j < cities[i].articles.length; j++)
    - cities[i].articles[j].link
    - cities[i].articles[j].title

Creating the News Bubble

- addMarker takes a point and xhtml
  - point will be where to put the marker
    - new GLatLng
      - cities[i].Latitude
      - cities[i].Longitude
  - xhtml will be what shows up in the bubble

    ```
    var xhtml = "<b>This is CS 50.</b>";
    xhtml += "<br /><br />";
    ```

    - also add a link