



CS 50 Walkthrough 8.2

Problem Set 8: Mashup

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Topics

- Opening a GInfoWindow
- Sending Ajax requests
- Parsing XML in JavaScript
- Your questions

GInfoWindow

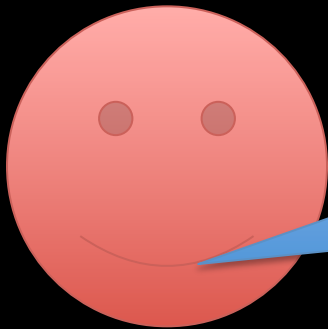
- Add a GMarker
- Add a listener for the marker (addListener)
- In the listener:
 - Generate some XHTML
 - Call the map's openInfoWindowHtml() function

Sending Ajax requests using GXmlHttp

- Create a GXmlHttp object
- Create and register an onreadystatechange event handler
- Send request to server

Sending Ajax requests

Client-side JS



Hey server, I want to get
MyXMLHandler.php?
var1=this&var2=that. Can you call my
event handler function when you're
done?

```
var request = GXmlHttp.create();  
var url = "MyXMLHandler.php?var1=this&var2=that";  
request.open("GET", url, true);  
request.onreadystatechange = function() {  
    //We handle the response here  
};
```

Sending Ajax requests

Server



Okay, I got your page for you. Now I'll call your event handler!

Handling the Ajax response

```
request.onreadystatechange = function() {
```

- Only proceed if request.readyState is 4
- Check request.status. If it is not OK (200), then there was a server error.
- If request.responseXML is not set, then there was probably a PHP error.
- Do not continue in either case.
- Now we can read request.responseXML

```
};
```

Parsing the XML response in JavaScript

- Use the responseXML property
- Use the getElementsByTagName() method to get all elements of a specific type as an array
- Use getAttribute() to retrieve the value of an attribute from a tag



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