

# GOOGLE MASHUP EDITOR

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# Outline

- ◎ Overview
  - GME Framework, Application Examples
- ◎ *Building Things*
  - *GME Components, Application Structure, Publishing GME Apps*
  - *Demos: Maps, Feeds, Google Service Integration*
- ◎ *GME: Built with GWT*
- ◎ *Key Resources*

# GME

- GME Overview
- Example Applications
  - <http://realestate.googlemashups.com/>
  - <http://wikigmaps.googlemashups.com/>
  - <http://gclue.akira.googlepages.com/mashup.html>
  - <http://hitforsix.googlemashups.com/>

# GME– Building Things

## ⦿ Components

- Editor Tools
- Server-side Hosting Framework
- JavaScript Client Library

## ⦿ About Publishing Projects

# App Structure

- ◉ gm pages can use a mix of JavaScript, CSS, and HTML
- ◉ Data modules can use either built-in templates or external data feeds (ATOM or RSS)
- ◉ If `<tbody repeat=true>` your mashup will create an element for each item in the data field.

## Page

```
<gm:page title="RSS Feed">
```

## Optional CSS

## Module

```
<gm:list id="myList" template="diggItems" pagesize="10"  
  data="http://www.digg.com/rss/index.xml" />
```

## Template

```
<gm:template id="diggItems">  
  <table width="50%">  
    <tbody repeat="true">  
      <tr>  
        <td>  
          <gm:text ref="atom:title"/>  
          <gm:text ref="digg:diggCount"/> diggs  
        </td>  
      </tr>  
      <tr>  
        <td><gm:html ref="atom:summary"/></td>  
      </tr>  
    </tbody>  
  </table>  
</gm:template>
```

## Optional JavaScript

```
</gm:page>
```

# GME– Demo

## ⦿ Integration with Google Maps

<http://globalcrisesreport.googlemashups.com/>

### The Global Crises Report

Last updated: Sat, 29 Nov 2008 23:20:39 GMT

#### iReports

 We Care !	2008-11-29	<a href="#">more info...</a>
 we are hostages	2008-11-28	<a href="#">more info...</a>
 Terrorists in Mumbai fail again	2008-11-29	<a href="#">more info...</a>
 Black Friday is Decadent and Depraved	2008-11-29	<a href="#">more info...</a>
 Obama birth certificate forgery exposed!!!	2008-11-28	<a href="#">more info...</a>
 NSG Commando Maj Unnikrishnan who passed away in Mumbai	2008-11-29	<a href="#">more info...</a>
 Walmart Should Change It's Name.	2008-11-29	<a href="#">more info...</a>
 Truth revealing About The Mumbai Attacks	2008-11-29	<a href="#">more info...</a>
 BLACK FRIDAY SHOPPING REPORT	2008-11-28	<a href="#">more info...</a>
 Cause of the Terror	2008-11-29	<a href="#">more info...</a>
 Indian Terrorism - The Road Ahead	2008-11-29	<a href="#">more info...</a>
 A Country Damned by the Media and the World	2008-11-29	<a href="#">more info...</a>



# GME– Demo

## ◎ RSS Feed Integration

<http://globalcrisesreport.googlemashups.com/>

**Natural Disaster News**

Yahoo Images - Natural Disasters

FEMA: Disaster Declarations

Homeland Security

Google News - Terrorist Attacks

### **Tracking Down Strange Seismic Waves**

Seismic waves generated by earthquakes pass through the earth. Changes in their direction or velocity indicate variations in the materials through which they pass. A new model exactly what happens at zones where crustal plates subduct below one another.

### **The Lightning Flash Before The Flood**

Flash floods are the most common natural disaster in the United States, and because of their unpredictability they're the leading weather-related cause of death. Researchers are now trying to predict where and when they will occur — using lightning.

### **Can China's Future Earthquakes Be Predicted?**

On May 12, 2008, at 2:28 p.m., China's Szechwan province changed forever. In the space of 90 seconds, an earthquake equivalent to 1,200 H-bombs pulverized the province. Entire cities disappeared and eight million homes were swallowed up. This resulted in 70,000 deaths and 20,000 missing. According to one researcher, this was the worst earthquake in Szechwan province for 300 years. Chinese authorities thought the fault was dead," he says.

# GME– Demo

## Google Services Integration

### Lon's Calendar

Dates that have events are underlined on the calendar. Click the date to see the events for that day.

< December >							< 2008 >	
Mon	Tue	Wed	Thu	Fri	Sat	Sun		
<u>1</u>	2	3	4	5	6	7		
<u>8</u>	9	10	11	12	13	14		
15	<u>16</u>	17	18	19	20	<u>21</u>		
22	23	24	25	26	<u>27</u>	28		
29	30	31	1	2	3	4		
5	6	7	8	9	10	11		
<a href="#">Today</a>							<a href="#">None</a>	

<b>2008-12-01</b>	International Conference on Humanoid Robots
<b>2008-12-08</b>	International Conference on Wireless Access in Vehicular Environments



# GME– Roots

- ◎ Built with Google Web Toolkit... Why?
  - Tools matter.
  - OO is a good idea.
  - Compatibility.
  - The client is only half the story.
  - Open systems are less scary.

# GME – Key Resources

- ◎ *Project Home* -  
<http://code.google.com/gme/>
- ◎ GME Team Blog –  
<http://googlemashupeditor.blogspot.com>
- ◎ GME Developer Forum -  
<http://groups.google.com/group/google-mashup-editor>
- ◎ Google Developer Days -  
<http://code.google.com/events/developerday/2007/mv-sessions.html>