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Empowering your web site: a guide to develop cool Mashups



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Definition: A *mashup* is a web page or application that combines data or functionality from two or more external sources to create a new service.

Our project consists of the development of different mashups: The first mashup is about the cantons of Switzerland and the second is about the airports in Switzerland. We used the Maplet Scratch Pad from GoogleMaps to program our mashups.

In the mashup about cantons we put together the flags and some information about the canton. We looked up the coordinates of each canton and typed it into a XML-file together with the other information. Then we wrote the code for our mashup.



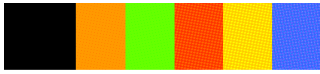
In the final mashup you can click on each canton and an information window appears with two tabs, one containing the name and the flag, the other the information about the canton.

```
var airports = response.getElementsByTagName("airport");  
for (var i = 0; i < airports.length; i++) {  
    var airport = airports[i];  
    var city = airport.getAttribute("city");  
    var venue = airport.getAttribute("venue");  
    var lat = airport.getAttribute("lat");  
    var lng = airport.getAttribute("lng");  
    var opening = airport.getAttribute("opening");  
    var passengers = airport.getAttribute("passengers");
```

In the mashup about airports we:

- Autonomously developed the XML structure containing the relevant information about Swiss airports.
- Used this information (fetched from a web server) to provide the user with a comprehensive map of Swiss airports.
- Developed a convenient graphic to make our maplet easy to consult.





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