Mendor Graphs

Example use in HTML5

Import libraries:

```
• <script src="scripts/jquery-1.8.3.min.js"></script> <script src="scripts/jquery-ui.js"></script> <script src="scripts/jquery.format-1.2.js"></script> <script src="scripts/raphael-min.js"></script> <script src="scripts/raphael-popup.js"></script> <script src="scripts/datetime.js"></script> <script src="scripts/MendorGraph.js"></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></sc
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Create MendorGraph object:

```
• <div id="mendorGraph" class="canvas" style="width:1200px; height:800px; overflow:auto;">
```

Raphaël – Small JavaScript library

- Uses the SVG W3C Recommendation and VML as a base for creating graphics, makes graphical objects as DOM objects, which can be used with JavaScript event handlers or modified later.
 - Supports: Firefox 3.0+, Safari 3.0+, Chrome 5.0+, Opera 9.5+, Internet Explorer 6.0+
- Sample use:

SVG styles

 All styles are defined in one place: function createMendorGraphStyle() { var style = { hour:{ axis:{ 'stroke': '#666', 'stroke-width': 2, }, font : { 'font-family': 'Arial, Helvetica, sans-serif', 'font-size': 12, 'font-weight': 'normal', 'stroke-width': 0, 'fill': 'black', **}**, return style;

CORS Problem & Solutions

- CORS (Cross-origin resource sharing) defines a way in which the browser and the server can interact to determine whether or not to allow the cross-origin request.
- Solution 1 (easiest): Web page and Web service (XML/JSON data) are accessed from the same domain (http://mendor.com)
- Solution 2: Add a value to HTTP-header:
 - Access-Control-Allow-Origin: http://www.example-social-network.com
 - Problem: Requests using Web applications (PHP, Ruby on Rails, etc.)
- Solution 3: Modify security configuration of browser:
 - chrome.exe --disable-web-security
 - Problem: unsecured

Statistics:

- File sizes (total ~ 200 Kb):
 - raphael-min.js 90Kb
 - raphael-popup.js 4Kb
 - MendorGraph.js 16Kb
 - datetime.js 2Kb