

TEST ASSIGNMENT prior to large project assignment

2008-05-13

This piece of work is a test mainly to evaluate the skills of the respondents. The selected candidates will be paid for this work and eligible for a long term development project.

The results of this test will be reused in the planned application, i.e. the test is directly related with the core skills needed, and to the contents of the application.

In this peculiar case we ask to create and manage a SWOT chart to be embedded into an Html page.

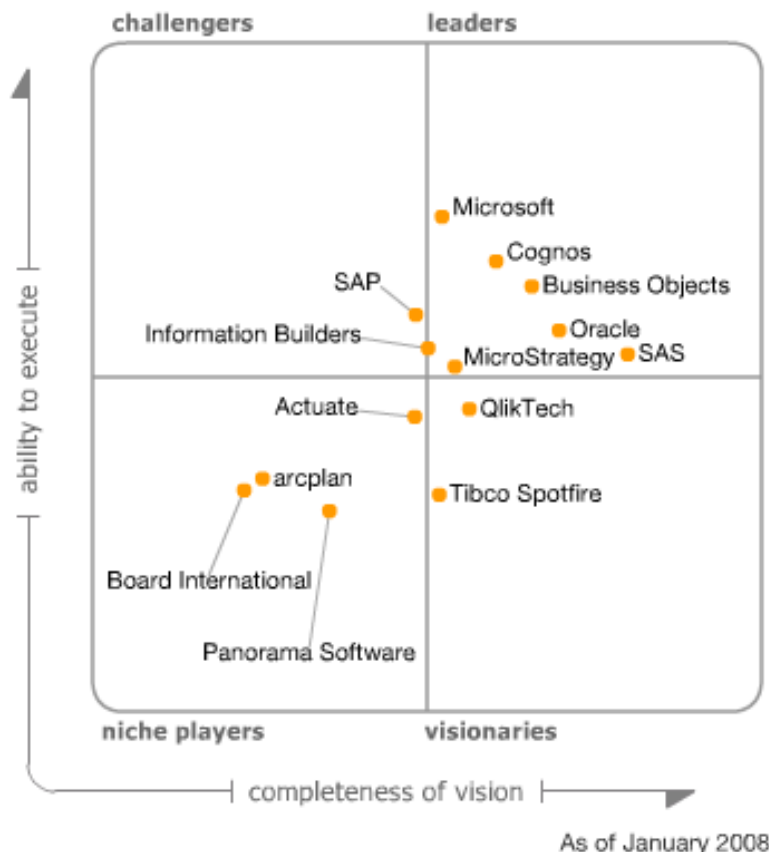
Selection of the candidate(s) to this major project will require the application to be functioning on a web server as part of the response, as well analysis of the source code to ensure proper programming. Attention will be given to the documentation of the code as well as the style, and reusability.

Technologies required, and objective:

PHP/MySQL – Adobe Flex/Flash – ActionScript 3.0 (not 2.0). AJAX is a plus for an elegant form management. No proprietary commercial libraries will be accepted.

Load data in a PHP form to be stored in a MySQL database, render these data in a Flash movie. The form should enable CRUD of these data, and the Flex application (Flash movie) should respond/be updated accordingly.

Ultimate objective is to create the following chart in Flash via the Php form.



Server logic (> CRUD Page(s)):

Page(s) should enable the following:

1. Create a new chart, this chart has a name, date of creation or update and ID
2. Define 2 fields (X, and Y axes), type = string. Each string has a name to be set in an admin section (hard coded in the table here). In this example « ability to execute »...
3. Define 4 fields (X, and Y quadrants), type = string. Each string has a name to be set in a client section (as part of the input page). In the example « challengers »...
4. Add N fields with (X,Y, and names). In this example « Microsoft »
5. One of the (4.) fields is present by default, add one field is present
6. Data should be manageable: Create (New chart / add field) / Update / Delete

Client Logic (>Display page):

Flash movie should propose a default placement of the labels. To improve its look and feel, manual placement of the labels should be possible (drag and drop labels). Line should obviously follow.

A unique reference to this chart should be readily available in the page once created to propose a cut/paste feature, make it a convenient “widget” (Flash movie) embedded into a blog for example (See Youtube.com for embedding videos).
