

Project Management Dashboard, SharePoint Portal Dashboard!

Nearshore services

Technologies:
 Visual Studio 2010, SharePoint 2010,
 Team Foundation Server, C# .NET
 Web Services, Visual Web Parts



About Ropardo S.R.L.:

Innovation, Quality, Deliver on Time is our objectives since 1994 when Ropardo S.R.L. start as Technology Company based in Sibiu, Romania. Our expertise is in offshore software development, implementation of complex software solutions and maintenance of software/IT systems for word wide customers. Our services domains are: system and application development, business application, Web and e-business/eCommerce, software re-engineering, software test, maintenance and support. More information at: www.ropardo.ro

Business context

The client is using a custom Project Management System and from this year he started implementing a collaboration platform based on SharePoint Foundation 2010.

The client wants to integrate the two systems. For the start he needs to see a series of statistics and charts of the data in the Project Management System.

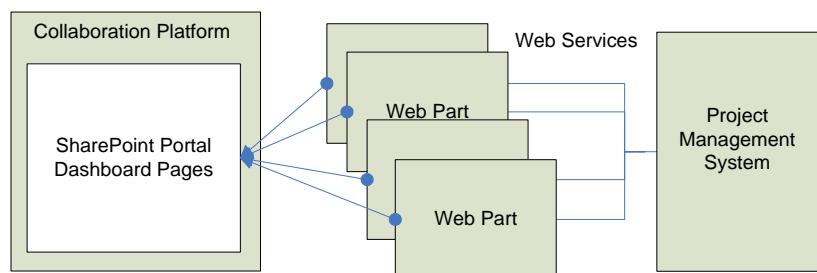
Ropardo S.R.L. solution

First we had to discuss with customer representatives and make a list with the data they wanted to be available in the portal.

Both Project Management System and the Collaboration Platform were using Single Sign-On authentication.

There were 2 alternatives of approaching this project. The first was by simply displaying parts of the Project Management System directly in the Collaboration Platform and the other was implementing Web Parts using standard SharePoint controls and use Microsoft Chart Controls for implementing charts.

Together with the client we decided to go for an implementation based on Web Parts using standard SharePoint controls that would feed on Web Services provided by the Project Management System. This approach provides a uniform GUI through the collaboration platform.



The client was already using 3rd party controls in order to obtain these in the Project Management System and preferred using the same controls for this task.

Technologies on short

The following technologies were used:

Visual Studio 2010, SharePoint 2010, Team Foundation Server, C# .NET Web Services, ASP.NET, Visual Web Parts



Nearshore Benefits:

- Quality Custom Software Development
- End User Satisfaction
- Short time to market
- Quantifiable Value
- Guaranteed performance level
- Predictable cost
- Based on our specific business model we deliver high value at a good price.
- Flexibility

More Information

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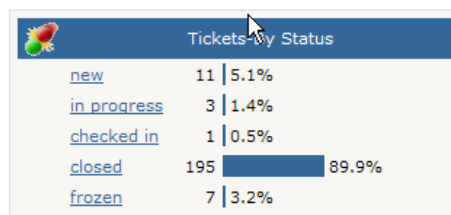
Project Development

The project was spitted in 3 phases.

- Project Management System extensions
- Implementation of statistics Web Parts
- Implementation of Chart Web Parts

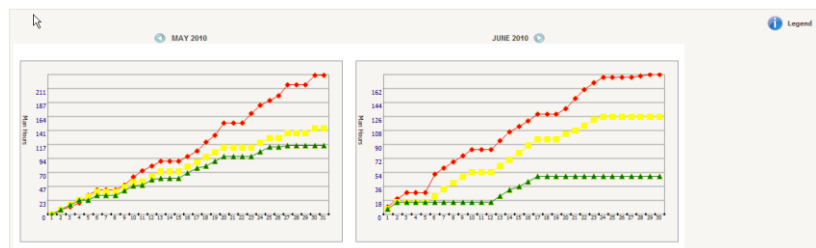
After the first phase was completed and each Web Service tested we started implementing the Web Parts.

Most of the web parts were implemented using GridViews and provided Excel export functionalities and access to Project Management System through web links. Of course there were some exceptions like in the image bellow, for which we implemented some custom html.



For the last implementation phase our developers found a work around that allowed us to avoid moving large amounts of data and reprocess it for generating chart views. They observed that the 3rd party controls used in Project Management System were storing the generated images on the disk and reused them to avoid processing.

So we simply implemented some simple services that would allow us to import this image and display them in the screens of the collaboration platform.



The projects took around 5 weeks to implement

Technologies

The project was implemented using Visual Studio 2010 as development environment and C# as coding language. Connection between the two systems was made through Web Services exposed by the Project Management Software. The web parts were developed using standard SharePoint controls like 'SPGridView' and 'SPMenuField'.

The management of the project was done using Team Foundation Server.