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Football Fans Community with Advanced SMS Data Exchange Infrastructure

Business Challenge

OpenWeb, Belgian Internet Solution Provider, wanted to build infrastructure that would enable end-clients to collect scores of football matches, resell them in the form of SMS to fans and display on a website. In order to attain these objectives, OpenWeb was in search for both reliable and competent vendor to outsource software development cycle of the project.

Project Description

The project represents advanced and well-structured SMS-messaging system with seamless backend integration and user-friendly Web-interface. Its main purpose is to provide football fans with possibility to receive "close to real time" scores of Belgian football league matches.

Project Organization and Management

Project Team was composed of five members: Project Leader and Developer from Intellias side plus Project Manager and QA Engineers appointed by the customer (located in Brussels and Bucharest).

Software engineering practices used in the project are listed below:

- ▶ The project required intensive communication between the parties. Accordingly, weekly online meetings and mutual consultations were essential for ensuring proper alignment of goals and vision.
- ▶ Functional requirements were defined in Use-Cases, non-functional – according to URPS+ model.
- ▶ Seapine TestTrack Pro was used for internal purposes at the development and testing stages. JIRA software was further applied along with project migration to the customer's development server.
- ▶ Project portal Website setup was based on Microsoft SharePoint which enabled convenient shared use of project documentation by remotely located members of the project team.
- ▶ As the project expanded, Intellias examined system optimization issues and constantly provided the customer with relevant improvements and updates.

Project functionality

- ▶ Searchable online database of up-to-date scores
- ▶ Integration with infrastructure of SMS-provider
- ▶ Sharing of scores among subscribers via SMS and Website capacities
- ▶ Members database for invoice information sharing
- ▶ Import of information about 5,000+ members from the existing database to enable the creation of global information sharing resource
- ▶ Easy registration process (online or via sending SMS commands to dedicated numbers)
- ▶ Different types of registration with variable levels of access to information
- ▶ Advanced administrative backend
- ▶ Provision of multilanguage support

Technology Stack

- ▶ PHP
- ▶ HTML/DHTML
- ▶ XML
- ▶ PostgreSQL
- ▶ cURL

CASE Systems Used

- ▶ PowerDesigner DataArchitect 6
- ▶ JIRA
- ▶ WinCvs
- ▶ MS SharePoint Portal 2003
- ▶ INTEMS

Project Quick Facts

- ▶ Collecting scores from 6 regions, 60 divisions, 1,000 teams, 1,000 stadiums, 1,800 matches per season
- ▶ Providing scores to 10,000+ SMS-subscribers