

SalesForce Integration with Web Server

Client

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Background

We have developed a robust online MySQL database management and reporting tool. Due to client requests, we recently have started to integrate our system with Salesforce.com. Salesforce.com currently holds the largest market share in customer relationship management software usage, and is therefore a useful tool to understand. Salesforce uses a proprietary database, which can be accessed using an SQL-like language, to read and modify data within the database.

Project Goals and Requirements:

We would like to build an integration tool, which will allow us to use our online graphical user interface (GUI), which was designed for MySQL, to function with Salesforce.com databases. There are two possible ways to achieve this. One is to make a database connector, which can query against the Salesforce database similar to database connectors for other SQL variants, with a corresponding GUI. The second is to create a synchronization tool, which will create an equivalent database structure with data in MySQL, where our current GUI can be used to query data. Of course, data modified/inserted/deleted into the synchronized database must be communicated back to the Salesforce database as well. Students will use Javascript for client-side UI development, and PHP/MySQL/Salesforce API for server side programming.

Suggested Team Size:

3 students

Paid internships are available after Field Session for students that perform well.

Skills/Experience for CSM Students:

- Javascript/AJAX
- CSS
- MySQL
- Salesforce.com