Application using Dolibarr ERP/CRM

**What is Dolibarr?**

Dolibarr ERP & CRM is a modern and easy to use software package to manage your business (customers, invoices, orders, products, stocks, agenda, e-mailings, shipments...).

ERP --- Enterprise Resource Planning

CRM --- Customer Relationship Management

It is an open source Software

**Main Modules**

* Sales Management
* Purchase Management
* Customer Relationship Management
* Orders management
* Payments Management

**Features**

* Multi-user, with several permissions levels for each feature.
* User-friendly.
* Assorted skins.
* Code is highly customizable (modular).
* Works with Mysql 4.1 or higher.
* Works with PHP 5.3 or higher.

**Architecture**

Dolibarr is written in PHP. It uses MySQL databases. It works with a wide choice of hosting services or servers. Dolibarr works with all PHP configurations and does not require any additional PHP modules.

Dolibarr can also be installed from an auto-installer file that is available for Windows, Mac and Linux. This is aimed at enabling users with no technical knowledge to install Dolibarr and its prerequisites (such as Apache, MySQL and PHP). This version is called DoliWamp for Windows users, DoliDeb for Debian or Ubuntu users, DoliRpm for Fedora, Redhat, Mandriva or OpenSuse users.

**Applications using Dolibarr**

* + **Infographic on customer locations**
  + **Infographic on top 5 customers**

**Infographic on customer locations**

Functionality provided in map-clustering.php

**Steps Involved**

1. Extract customer list from Dolibarr databse using Dolibarr API
2. Get the Address of each customer
3. Give each address to the Google Geocode API
4. Locations will the displayed on the map

Dolibarr API

To use the api we need to enable the REST Web services module in dolibarr

Depending on the other modules enabled it provide REST call for those enabled modules

Complete list of calls can be found in

<http://localhost/dolibarr/api/admin/explorer.php>

**How the google geocode API works**

* Geocoding converts addresses into geographic coordinates to be placed on a map.
* The Google Maps Geocoding API provides a direct way to access these services via an HTTP request.
* Google Maps JavaScript API is free up to 25,000 map loads per day and a key is provided to each user.

Google Maps Geocoding API Request Format

A Google Maps Geocoding API request takes the following form:

where outputFormat may be either of the following values:

https://maps.googleapis.com/maps/api/geocode/*outputFormat?parameters*

* json (recommended) indicates output in JavaScript Object Notation (JSON); or
* xml indicates output in XML

https://maps.googleapis.com/maps/api/geocode/json?address=1600+Amphitheatre+Parkway,+Mountain+View,+CA&key=***YOUR\_API\_KEY***

**Infographic on customer locations**

Functionality provided in top\_five\_cus.php

**Steps Involved**

1. Extract customer list from Dolibarr databse using Dolibarr API
2. For Each customer, request the order list of that customer using Dolibarr API
3. Sum up order amounts for each customer
4. Sort in descending order on amount
5. Give Top 5 to the Google Charts
6. Top 5 customers and amount displayed on a horizontal histogram

**Internal file Links**

\_\_\_\_\_\_\_\_\_ map\_clustering.php

|

Code.html--|

(Main file) |

\_\_\_\_\_\_\_\_\_ top\_five\_cus.php

**Installation Method:**

* Download and install Dolibarr software (Ex:DoliWamp)
* Enable Required modules(for our application REST webservice module,Customer orders module,third party modules)
* Feed the data(Like creating customers and their orders)
* Create in PHP project ( ex: nbproject) inside the dolibarr/www/dolibarr .Host our 3 files in that folder
* Access the files based on the URL
* Ex URL: localhost/nbproject/code.html