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|  | **2013** |
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| **[Documentation manual]** |
| This is a mini web app to provide a poll of voting intention for an upcoming (General) election. The web app allows a user to specify their constituency along with enter answers to the questions "Are you going to vote?" and "Who are you going to vote for?". Finally, the app displays the results for all users nationally and for each constituency. |

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# Introduction

## Purpose

This application is designed to provide a poll of voting intention for an upcoming (General) election. The web app allows a user to specify their constituency along with enter answers to the questions "Are you going to vote?" and "Who are you going to vote for?". Finally, the app displays the results for all users nationally and for each constituency.

## General Issues

This application uses the MVC design pattern with CakePHP Framework and this is a very basic implementation of the application because of lack of time. Under other circumstances we could make the application more interactive through a (javascript) map on the home screen intend of a simple input. We can also add more information as regards the party’s with pictures and links to their websites. Also we could have more security with Session or Cookies in order to eliminate the duplicate entries from the same user. Also we could have some SQL injection filters.

# Installation Manual

This website has been created in CakePHP (Backend) and HTML5, CSS3, Javascript, JQuery, skeljs and JSON (Frondend).

CakePHP is fast and easy to install. The minimum requirements are a web server and a copy of CakePHP Project. You can configure CakePHP to run on a variety of web servers such as LightHTTPD or Microsoft IIS.

## Prerequisites

HTTP Server. For example: Apache. mod\_rewrite is preferred, but by no means required.

PHP 5.2.8 or greater.

Technically a database engine isn’t required, but we imagine that most applications will utilize one. CakePHP supports a variety of database storage engines:

1. MySQL (4 or greater)
2. PostgreSQL
3. Microsoft SQL Server
4. SQLite

## Pre-installation Tasks

You need to have set up an account on a web server with access in Mysql database or you can simply set up a ramp.

## Installation Procedure

 This application has an external source for JSON files for reuse.

Firstly, you will need to create a MySQL database with name “pollelection” and later you need to run my SQL script named “database.sql” in order to create the basic structure of our application.

Later you need to change the “poll/app/Config/database.php” file in order to establish the connection between CakePHP and your Database.

You need to change these variables:

* + 1. 'host' => 'yourDatabaseHost',
    2. 'login' => 'YourUserAcount',
    3. 'password' => 'YourUserPass',
    4. 'database' => 'YourDatabase',

Now you need to upload with some FTP Client the whole folder Poll to your Server and that’s it. Now you have successfully uploaded the gallop application.

### Database

The database is quite simple. There are 3 tables.

**The table for candidates**

CREATE TABLE `candidates` (

`ID` int(11) NOT NULL auto\_increment,

`NAME` varchar(50) NOT NULL,

PRIMARY KEY (`ID`)

) ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO\_INCREMENT=19 ;

**The table for constituencies**

CREATE TABLE `constituencies` (

`ID` int(50) NOT NULL auto\_increment,

`COUNTRY` varchar(50) NOT NULL,

`CONSTITUENCY` varchar(50) NOT NULL,

PRIMARY KEY (`ID`)

) ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO\_INCREMENT=672 ;

**The table for Votes**

CREATE TABLE `votes` (

`ID` int(11) NOT NULL auto\_increment,

`REGION` text NOT NULL,

`ID\_CAND` int(11) NOT NULL,

PRIMARY KEY (`ID`)

) ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO\_INCREMENT=35 ;

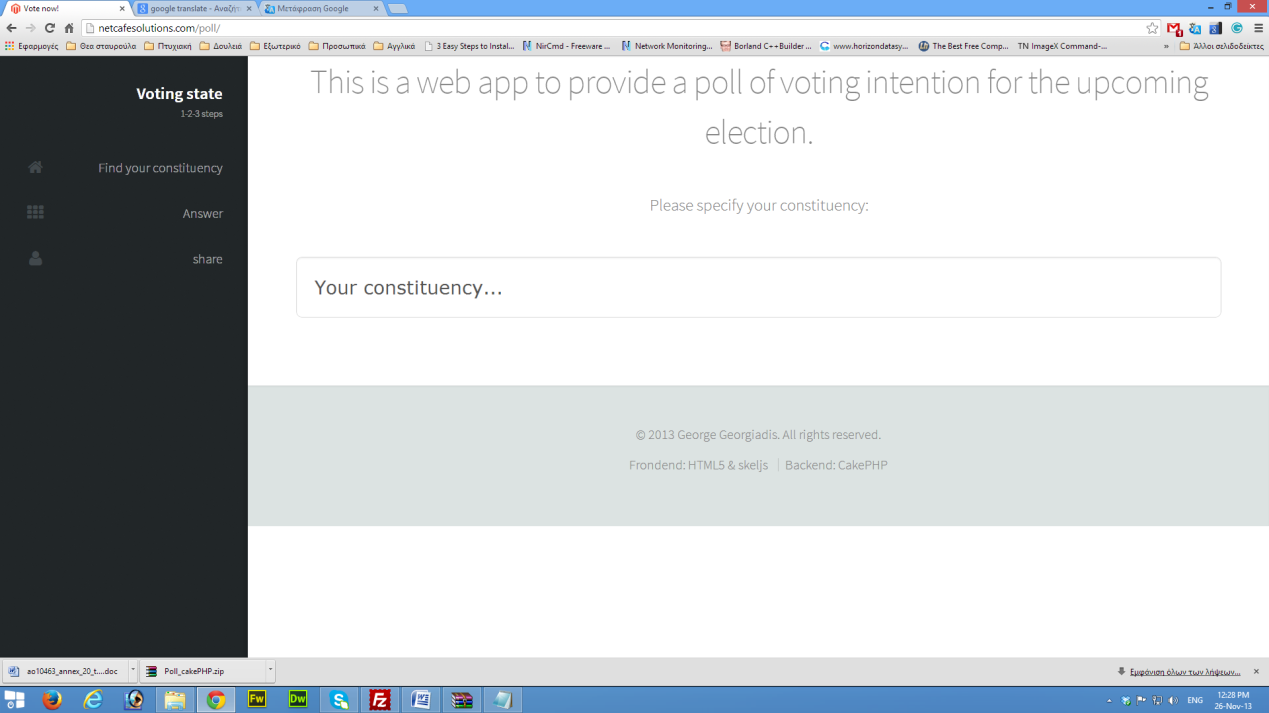
## Uninstall or Roll-back

You can the database with DROP command and you can simply delete the application from your Server with some FTP Client tool.

# Use the Application

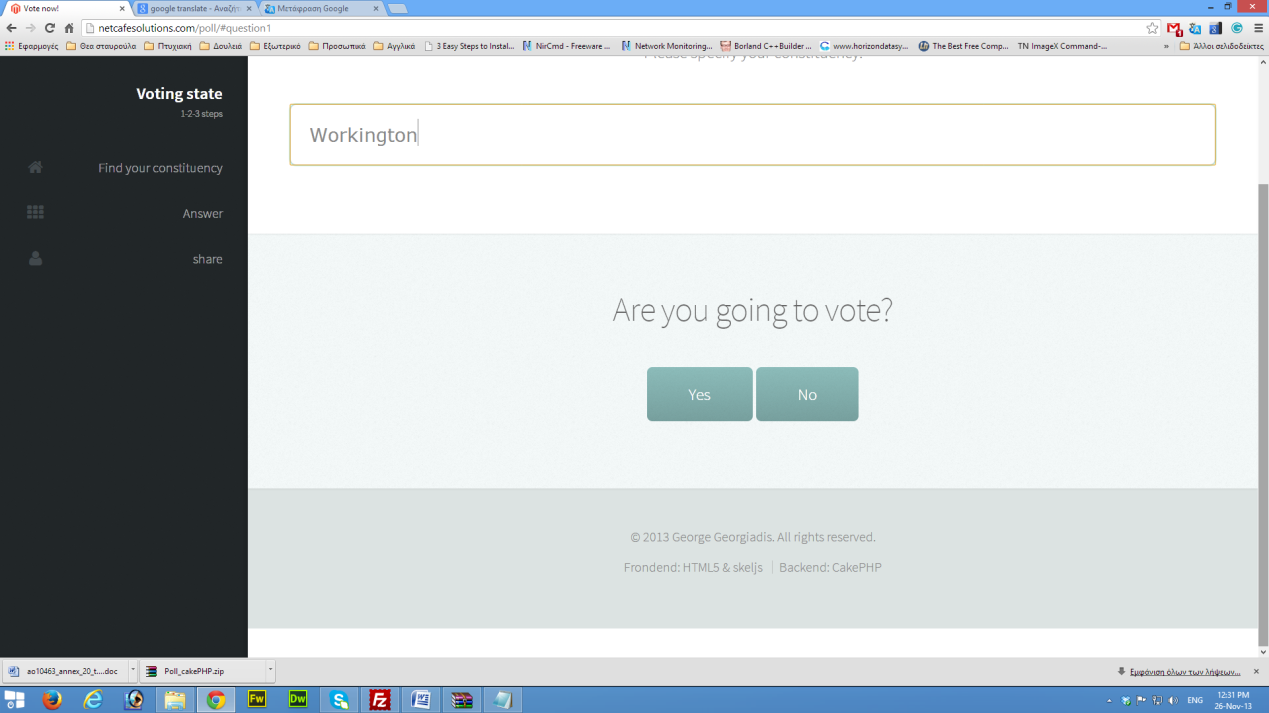
You can use the application from this url: <http://netcafesolutions.com/poll>

On the first screen you can see that the application want’s from the Anonymous users to specify their constituency.

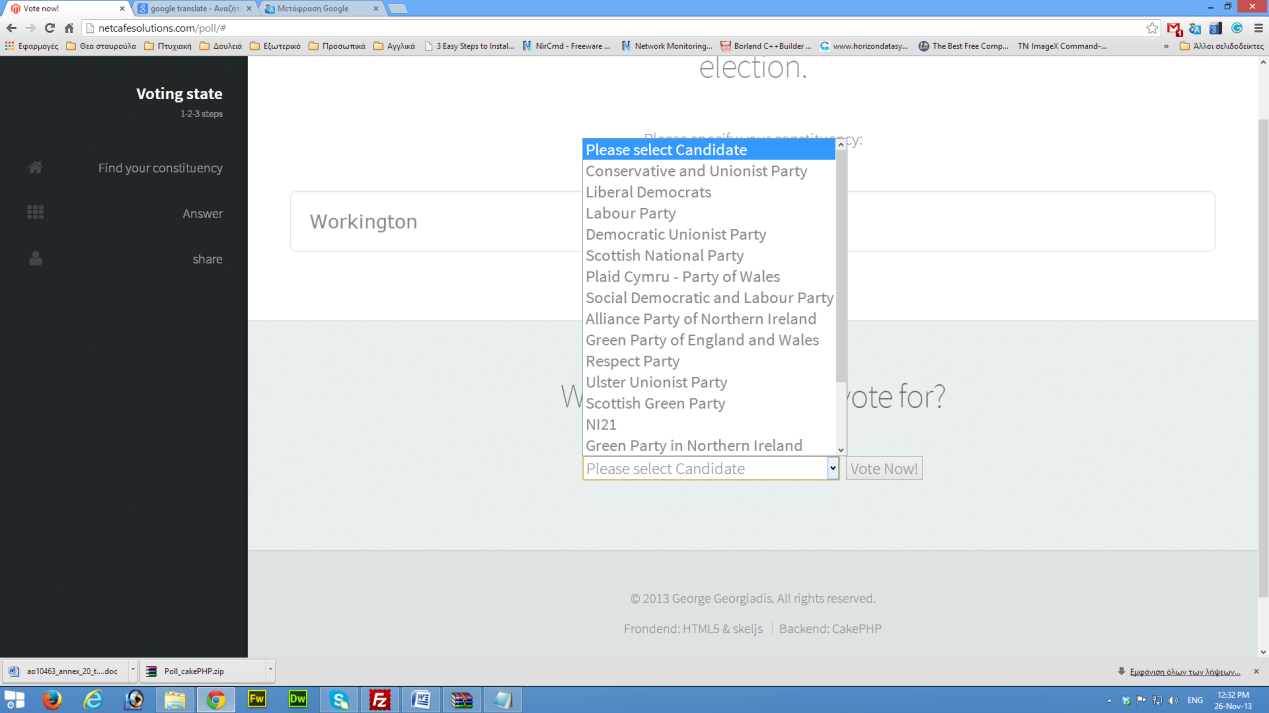


Users start to write the letters and the constituency is auto-completed by JSON requests.

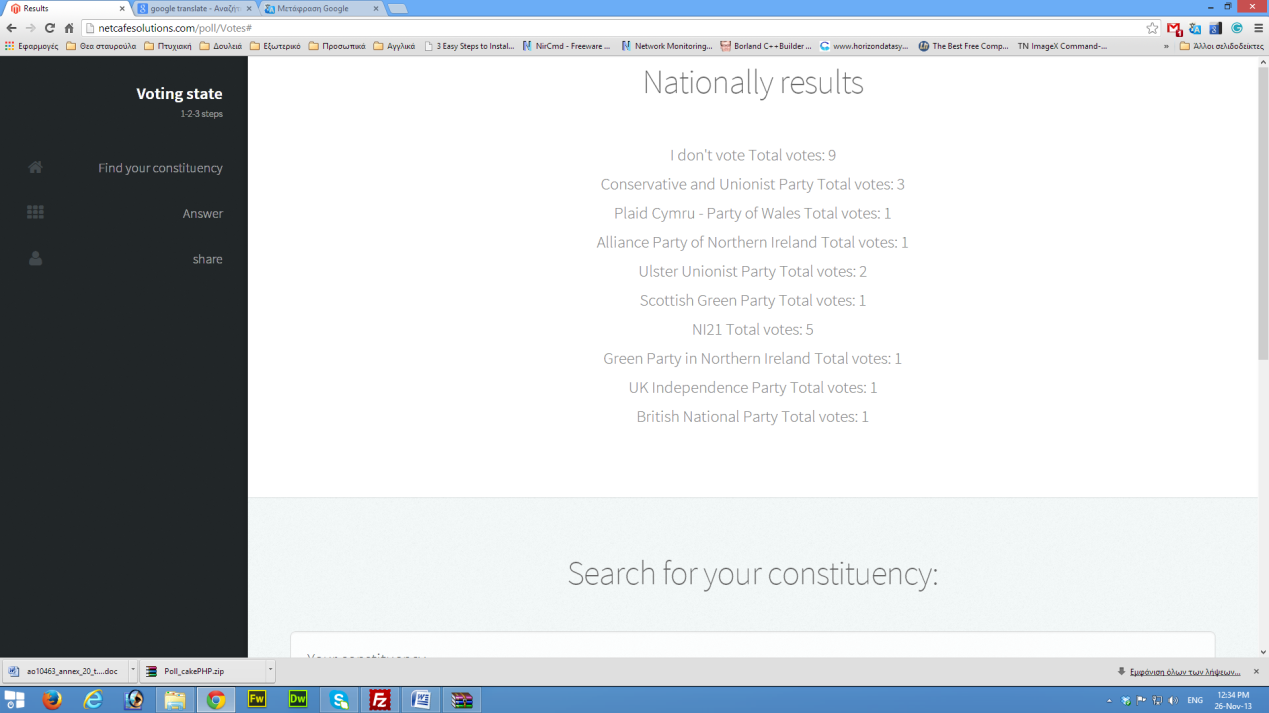
After choosing the constituency the users can choose if they going to vote or not.



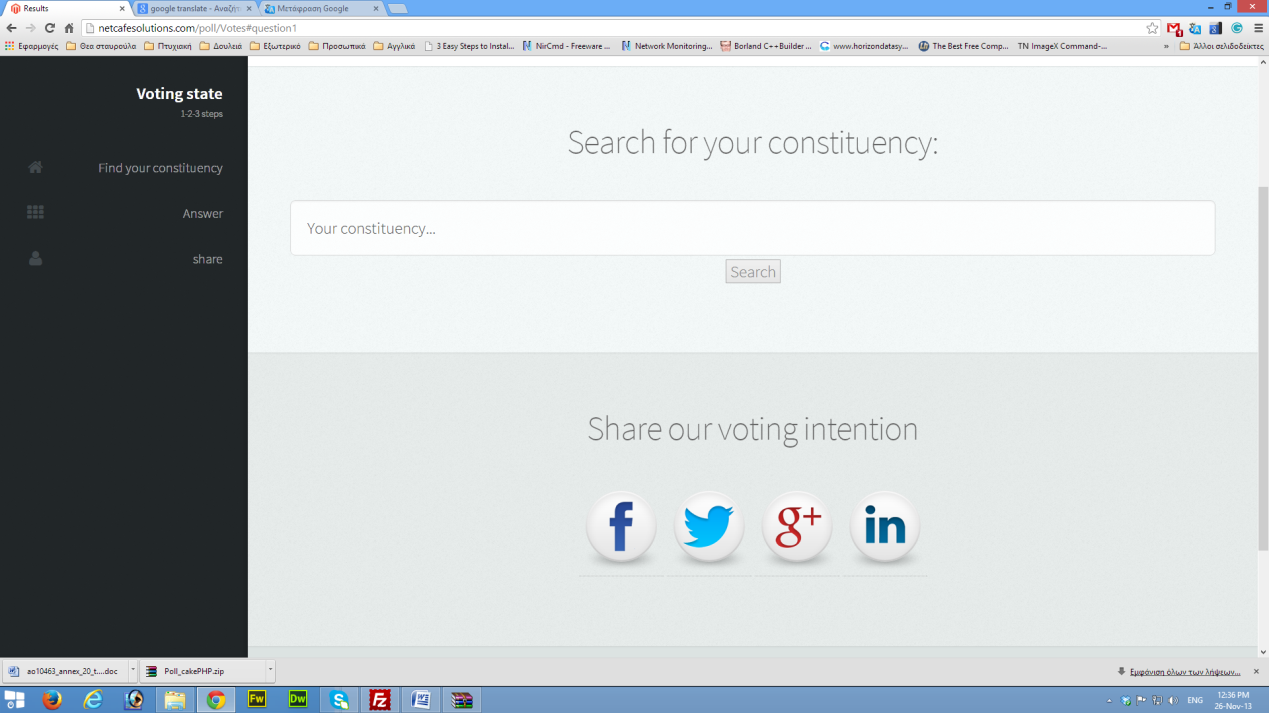
If they are going to vote then appears a list with parties. After of choosing the users can vote.



Finally, the users can see the National results



Or they can search results only for their constituency and they can share the application in social media.



# Additional Information

## Contact Information

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