

# HEALTH CARE PROGRAM

(Working with google apis, php data, Google map marker)

## Problem Statement:

Using technology to create awareness about communicable diseases.

## Our Proposed Solution:

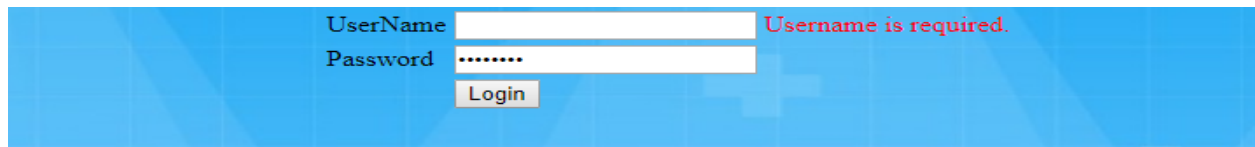
All the necessary details of the patients are taken down. When a database of a particular hospital is combined with the databases of other nearby hospitals then this will give a **definitive idea to the government as to where it can focus** its policies for obtaining maximum result.

Let us try to understand how this can be beneficial by looking at a few examples of its implementation:

- If students of a particular school are having many cases of food poisoning then the hospital can immediately inform government to test the food samples of mid-day meal scheme.
- It can also help to contain the outbreak of many communicable diseases.

## Some screenshots of our implementation is given below:

### LOGIN FORM

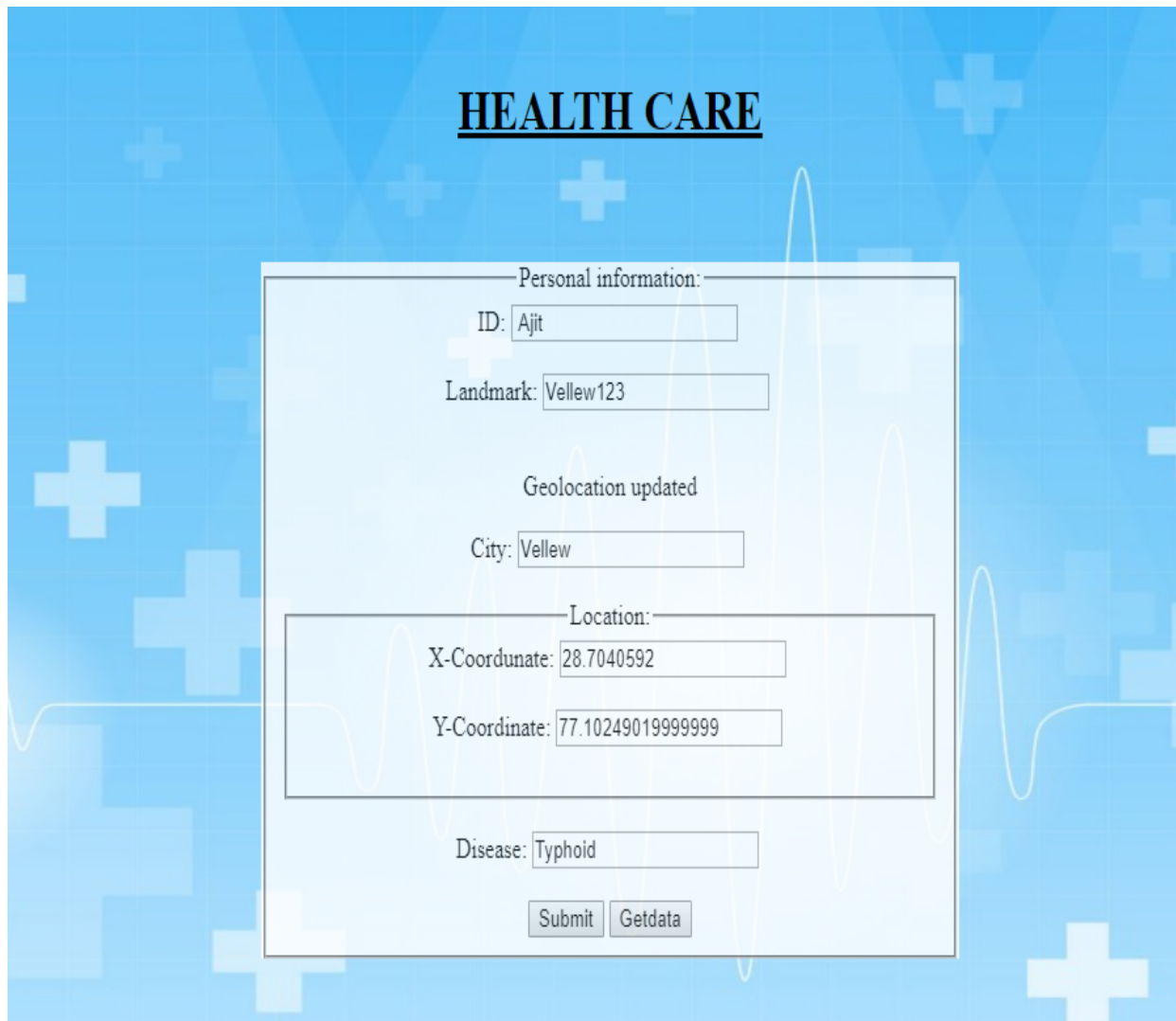


A screenshot of a login form on a blue background with a grid pattern. The form has two input fields: 'UserName' and 'Password'. The 'UserName' field is empty, and the 'Password' field contains seven dots. To the right of the 'UserName' field, there is a red error message that says 'Username is required.'. Below the password field is a 'Login' button.

### Features Used:

- Google api has been used to fetch location of person filling form, however he may modify it.
- geoip-db.com/json has been used to fetch city name (reference 1)

### DATA FORM



A screenshot of a 'HEALTH CARE' data form. The form is titled 'HEALTH CARE' in bold, underlined letters. It is divided into several sections: 'Personal information:' with fields for 'ID: Ajit' and 'Landmark: Vellew123'; 'Geolocation updated' with a 'City: Vellew' field; 'Location:' with fields for 'X-Coordinate: 28.7040592' and 'Y-Coordinate: 77.10249019999999'; and 'Disease: Typhoid'. At the bottom are 'Submit' and 'Getdata' buttons. The background is blue with a grid pattern and white plus signs.

## RAW DATA:

MySQL (phpMyAdmin) has been used as backend to store the data and PHP to connect the front end and backend.

+ Options					
PID	LANDMARK	CITY	XCOR	YCOR	DISEASE
1	KBLOCK	VELLORE	13.08268019999999900000	80.27071840000000000000	Typhoid
2	JBLOCK	VELLORE	13.28268019999999900000	80.57071840000000000000	Typhoid
3	XBLOCK	VELLORE	13.50000000000000000000	80.50000000000000000000	Typhoid
6	xx	yy	13.06000000000000000000	80.27071840000000000000	Typhoid
9	ds	sd	13.10000000000000000000	80.30000000000000000000	Typhoid
10	zz	zz2	13.08268019999999900000	78.27071840000000000000	Typhoid
11	bj	bj2	13.08268019999999900000	79.50000000000000000000	Typhoid

## **FORMED MAP:**

*To estimate no. of patients , in a particular location*

### **Features Used:**

- *Google map marker has been used to plot all the fetched coordinates (reference 2)*



## Reference1:

*geoip-db.com/jsonp has been used to fetch city name*

```
<script>

$.ajax({
  url: "https://geoip-db.com/jsonp",
  jsonpCallback: "callback",
  dataType: "jsonp",
  success: function( location ) {
    $('#city').val(location.city);

/*

    $('#country').html(location.country_name);
    $('#state').html(location.state);
    $('#latitude').html(location.latitude);
    $('#longitude').html(location.longitude);
    $('#ip').html(location.IPv4); */
  }
});
</script>
```

- *Google api has been used to fetch location of person filling form, however he may modify it.*

```
<script>

var x = document.getElementById("demo");

function getLocation() {
  if (navigator.geolocation) {
    x.innerHTML = "Geolocation updated";
```

```
        navigator.geolocation.getCurrentPosition(showPosition);
    } else {
        x.innerHTML = "Geolocation is not supported by this browser.";
    }
}

function showPosition(position) {
    document.getElementById("xcor").setAttribute("value",
position.coords.latitude);
    document.getElementById("ycor").setAttribute("value",
position.coords.longitude);
}

var app = angular.module('myApp', []);
app.controller('myCtrl', function($scope) {
    $scope.lastname = "jj";
});
</script>
```

## Reference2:

Google map marker has been used to plot all the fetched coordinates to estimate no. of patients

```
<div id="map" style="height: 400px; width: 400px; margin:auto;"></div>

<script>
    var local = [];
    var local2 = [];
    //xcoordinates
    local.push(<?php echo json_encode($array1); ?>);
    //ycoordinates
    local2.push(<?php echo json_encode($array2); ?>);

    //    document.getElementById("demo").innerHTML = local;
    //    document.getElementById("demo2").innerHTML = local2;

    var map = new google.maps.Map(document.getElementById('map'), {
        zoom: 8,
        center: new google.maps.LatLng(13.3, 79.3),
        mapTypeId: google.maps.MapTypeId.ROADMAP
    });

    var infowindow = new google.maps.InfoWindow();

    var marker, i;

    for (i = 0; i < local[0].length; i++) {

        marker = new google.maps.Marker({
            position: new google.maps.LatLng(parseFloat(local[0][i]),
            parseFloat(local2[0][i])),
            map: map
        });

    }
</script>
```

**Full code reference:**

**LINK:**

**<https://github.com/GursimranSinghKahlon/hcare/blob/master/getdata2.php>**

