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:

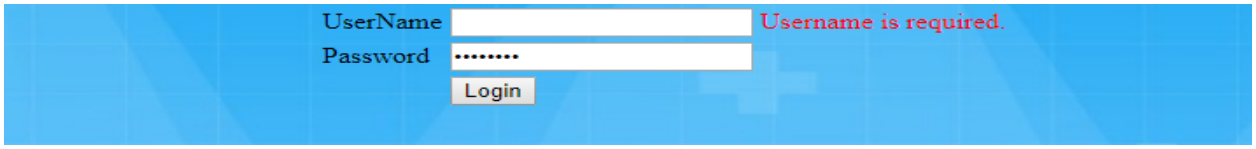
All the necessary details of the patients are taken down. When a database of a particular hospital is combined with the databases of other nearby hospitals then this will give a **definitive idea to the government as to where it can focus** its policies for obtaining maximum result.

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



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

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	13.082680199999999000	80.270718400000000000	Typhoid
2	JBLOCK	VELLORE	13.282680199999999000	80.570718400000000000	Typhoid
3	XBLOCK	VELLORE	13.500000000000000000	80.500000000000000000	Typhoid
6	xx	yy	13.060000000000000000	80.270718400000000000	Typhoid
9	ds	sd	13.100000000000000000	80.300000000000000000	Typhoid
10	zz	zz2	13.082680199999999000	78.270718400000000000	Typhoid
11	bj	bj2	13.082680199999999000	79.500000000000000000	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/json 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