

CC Mini Project Report

Title:

Implementation of storage as a service specifically for maps using web hosting.

Abstract:

The project implements Storage as a Service by making use of HTML and PHP and some basic JQuery and Xampp for interface. This project is specific for maps. So a PHP script has been added to ensure that any other type of file is rejected by the system while uploading.

It gives different options like gym, petrol pumps, restaurants etc and after that shows all the selected options present in that region.

Introduction:

We have an interface which asks for user's region, it could be his current region or a different region of which he needs information of our provided options in that region.

After region selection our code with the help of google api shows all the places where that particular option is located on maps in that selected region.

This is a great functionality through which users can see all the things in that region and their search will become convenient

Implementation details:

Code:

Index.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Search Near by location</title>
    <script type="text/javascript" src="js/jquery.js"></script>
    <script type="text/javascript"
src="http://maps.googleapis.com/maps/api/js?sensor=false&libraries=places"></script>
    <style type="text/css">
      #map {
        height: 400px;
        width: 600px;
        border: 1px solid #333;
        margin-top: 0.6em;
      }
    </style>
  </head>
  <body>
    <div>
      <input type="text" value="Enter location" />
      <input type="button" value="Search" />
    </div>
    <div id="map">
      <img alt="Map showing search results near the location" />
    </div>
  </body>
</html>
```

</style>

<script type="text/javascript">

```
$(function() {  
    $('.chkbox').click(function() {  
        $(':checkbox').attr('checked',false);  
        $('#'+$(this).attr('id')).attr('checked',true);  
        search_types(map.getCenter());  
    });  
});
```

```
var map;  
var infowindow;  
var markersArray = [];  
var pyrmont = new google.maps.LatLng(20.268455824834792, 85.84099235520011);  
var marker;  
var geocoder = new google.maps.Geocoder();  
var infowindow = new google.maps.InfoWindow();  
// var waypoints = [];  
function initialize() {  
    map = new google.maps.Map(document.getElementById('map'), {  
        mapTypeId: google.maps.MapTypeId.ROADMAP,  
        center: pyrmont,  
        zoom: 14  
    });  
    infowindow = new google.maps.InfoWindow();  
    //document.getElementById('directionsPanel').innerHTML="";  
    search_types();  
}
```

```
function createMarker(place,icon) {  
    var placeLoc = place.geometry.location;  
    var marker = new google.maps.Marker({  
        map: map,  
        position: place.geometry.location,  
        icon: icon,  
        visible:true  
    });  
}
```

```
markersArray.push(marker);  
google.maps.event.addListener(marker, 'click', function() {
```

```
    infowindow.setContent("<b>Name:</b>"+place.name+"<br><b>Address:</b>"+place.vicinity+"<br><b>Reference:</b>"+place.reference+"<br><b>Rating:</b>"+place.rating+"<br><b>Id:</b>"+place.id);  
    infowindow.open(map, this);  
});
```

```
}  
var source="";  
var dest="";
```

```
function search_types(latLng){
```

```

clearOverlays();

if(!latLng){
    var latLng = pyrmtont;
}
var type = $('#checkbox:checked').val();
var icon = "images/"+type+".png";

var request = {
    location: latLng,
    radius: 2000,
    types: [type] //e.g. school, restaurant,bank,bar,city_hall,gym,night_club,park,zoo
};

var service = new google.maps.places.PlacesService(map);
service.search(request, function(results, status) {
    map.setZoom(14);
    if (status === google.maps.places.PlacesServiceStatus.OK) {
        for (var i = 0; i < results.length; i++) {
            results[i].html_attributions="";
            createMarker(results[i],icon);
        }
    }
});
}

// Deletes all markers in the array by removing references to them
function clearOverlays() {
    if (markersArray) {
        for (i in markersArray) {
            markersArray[i].setVisible(false)
        }
        //markersArray.length = 0;
    }
}

google.maps.event.addDomListener(window, 'load', initialize);

function clearMarkers(){
    $('#show_btn').show();
    $('#hide_btn').hide();
    clearOverlays()
}

function showMarkers(){
    $('#show_btn').hide();
    $('#hide_btn').show();
    if (markersArray) {
        for (i in markersArray) {
            markersArray[i].setVisible(true)
        }
    }
}

```

```

    }

    function showMap(){

        var imageUrl =
'http://chart.apis.google.com/chart?cht=mm&chs=24x32&chco=FFFFFF,008CFF,000000&ext=.png';
        var markerImage = new google.maps.MarkerImage(imageUrl,new google.maps.Size(24, 32));
        var input_addr=$('#address').val();
        geocoder.geocode({address: input_addr}, function(results, status) {
            if (status == google.maps.GeocoderStatus.OK) {
                var latitude = results[0].geometry.location.lat();
                var longitude = results[0].geometry.location.lng();
                var latLng = new google.maps.LatLng(latitude, longitude);
                if (results[0]) {
                    map.setZoom(14);
                    map.setCenter(latLng);
                    marker = new google.maps.Marker({
                        position: latLng,
                        map: map,
                        icon: markerImage,
                        draggable: true

                    });
                    $('#btn').hide();
                    $('#latitude,#longitude').show();
                    $('#address').val(results[0].formatted_address);
                    $('#latitude').val(marker.getPosition().lat());
                    $('#longitude').val(marker.getPosition().lng());
                    infowindow.setContent(results[0].formatted_address);
                    infowindow.open(map, marker);
                    search_types(marker.getPosition());
                    google.maps.event.addListener(marker, 'click', function() {
                        infowindow.open(map,marker);
                    });

                    google.maps.event.addListener(marker, 'dragend', function() {

                        geocoder.geocode({'latLng': marker.getPosition()}, function(results, status) {
                            if (status == google.maps.GeocoderStatus.OK) {
                                if (results[0]) {
                                    $('#btn').hide();
                                    $('#latitude,#longitude').show();
                                    $('#address').val(results[0].formatted_address);
                                    $('#latitude').val(marker.getPosition().lat());
                                    $('#longitude').val(marker.getPosition().lng());
                                }

                                infowindow.setContent(results[0].formatted_address);
                                var centralLatLng = marker.getPosition();
                                search_types(centralLatLng);
                                infowindow.open(map, marker);
                            }
                        }
                    )
                }
            }
        });
    }

```

```

    });
});

    } else {
        alert("No results found");
    }
    } else {
        alert("Geocoder failed due to: " + status);
    }
});

}

</script>
</head>
<body>

<div>
    <table border="0" cellspacing="0" cellpadding="3">
        <tr>
            <td> <input type="checkbox" name="mytype" class="chkbox" id="school" value="school" /><label
for="school">School</label><br/></td>
            <td><input type="checkbox" name="mytype" class="chkbox" id="restaurant"
value="restaurant"/><label for="restaurant" >Restaurant</label></td>
        </tr>
        <tr>
            <td> <input type="checkbox" name="mytype" class="chkbox" id="hospital" value="hospital"/><label
for="hospital" >Hospital</label></td>
            <td><input type="checkbox" name="mytype" class="chkbox" id="bus_station"
value="bus_station"/><label for="bus_station" >Bus Stopedge</label></td>
        </tr>
        <tr>
            <td><input type="checkbox" name="mytype" class="chkbox" id="park" value="park"/><label
for="park" >Park</label></td>
            <td><input type="checkbox" name="mytype" class="chkbox" id="bank" value="bank"/><label
for="bank" >Bank</label></td>
        </tr>
        <tr>
            <td><input type="checkbox" name="mytype" class="chkbox" id="bar" value="bar"/><label for="bar"
>Bar</label></td>
            <td><input type="checkbox" name="mytype" class="chkbox" id="movie_theater"
value="movie_theater"/><label for="movie_theater" >Movie Theater</label></td>
        </tr>
        <tr>
            <td><input type="checkbox" name="mytype" class="chkbox" id="night_club"
value="night_club"/><label for="night_club" >Night Club</label></td>
            <td><input type="checkbox" name="mytype" class="chkbox" id="zoo" value="zoo"/><label
for="zoo" >Zoo</label><br/></td>
        </tr>
        <tr>
            <td><input type="checkbox" name="mytype" class="chkbox" id="gym" value="gym"/><label
for="gym" >Gym</label></td>

```

```

        <td><input type="checkbox" name="mytype" class="chkbox" id="atm" value="atm"/><label
for="atm" >ATM</label></td>
    </tr>
    <tr>
        <td><input type="checkbox" name="mytype" class="chkbox" id="spa" value="spa"/><label
for="spa" >Spa</label></td>

    </tr>
</table>

</div>
<label>Address: </label><input id="address" type="text" style="width:400px;"
value="Bhubaneswar,odisha,india"/>
<input type="button" value="submit" id="btn" onClick="showMap();"/>
<br/>
<div id="map"></div>
<input type="text" id="latitude" style="display:none;" placeholder="Latitude"/>
<input type="text" id="longitude" style="display:none;" placeholder="Longitude"/>
<!-- <input type="button" id="hide_btn" value="hide markers" onClick="clearMarkers();" />-->
<input type="button" id="show_btn" value="show markers" onClick="showMarkers();" style="display:none;"
/>

<div id="test"></div>
</body>
</html>

```

Result: User can enter his/her region and can select the option form all the options like restaurant, gyms etc, and our code with the help of google API and cloud technique successfully showcases all the selected option by the user in that region .

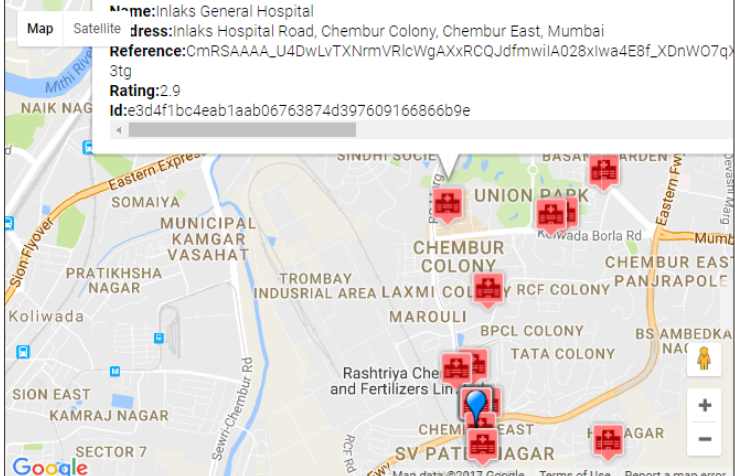
Snapshots:

localhost/images/index(1).html

☐ Park ☐ Bank
☐ Bar ☐ Movie Theater
☐ Night Club ☐ Zoo
☐ Gym ☐ ATM
☐ Spa

Address:

Name: Inlaks General Hospital
Address: Inlaks Hospital Road, Chembur Colony, Chembur East, Mumbai
Reference: CmRSAAAAU4DwLvTXNmVRlcWgAXxRCQJdfmwilA028xiwa4E8f_XDnW07qX3tg
Rating: 2.9
Id: e3d4f1bc4eab1aab06763874d397609166866b9e



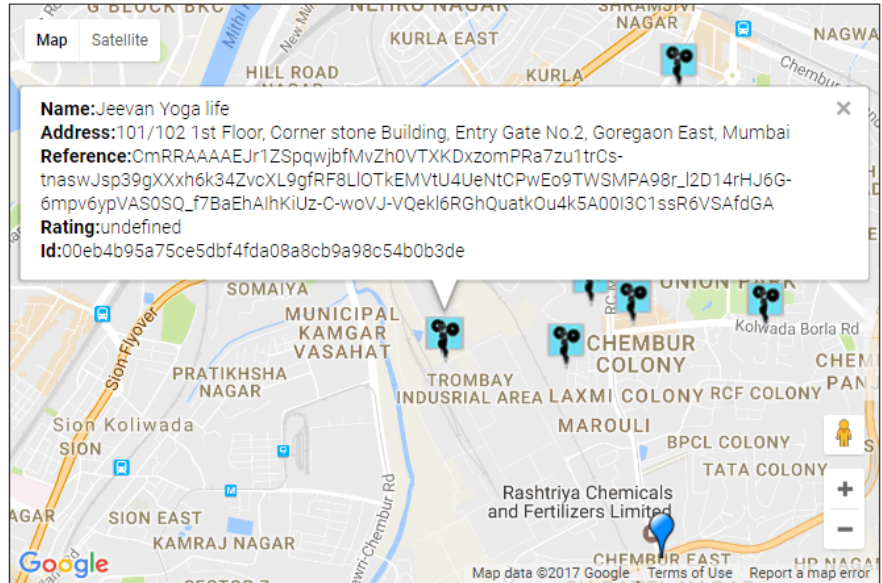
Map data ©2017 Google Terms of Use Report a map error

localhost/images/index(1).html

☐ Park ☐ Bank
☐ Bar ☐ Movie Theater
☐ Night Club ☐ Zoo
☒ Gym ☐ ATM
☐ Spa

Address:

Name: Jeevan Yoga life
Address: 101/102 1st Floor, Corner stone Building, Entry Gate No.2, Goregaon East, Mumbai
Reference: CmRRAAAAEJr1ZSpqwbFmVZh0VTXKDXzomPRa7zu1trCs-tnasWJsp39gXXxh6k34ZvcXL9gfRf8LIOTkEMVtU4UeNtCPwEo9TWSMPA98r_I2D14rHJ6G-6mpv6ypVAS0SQ_f7BaEhAlhKiUz-C-woVJ-VQekl6RGhQuatkOu4k5A00I3C1ssR6VSAfdGA
Rating: undefined
Id: 00eb4b95a75ce5dbf4fda08a8cb9a98c54b0b3de



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Conclusion: We have successfully implemented storage as a service specially for maps using web hosting and website development.

Now users travel becomes convenient as he could now decide the closest option from his current location