Daytrip advisor

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Installation:

Apache2(required)
https://httpd.apache.org/

Github(required)
https://github.com/wangmn93/daytripadvisor

Chrome(optional)
https://www.google.com/chrome/browser/desktop/index.html?brand=CHBD&gclid=CjwKCAiA4vbSBRBNEiwAMorER04qErk8io3rejunIw6bEyyfdWQ6DHogVtlikAgfxl4jvBVXiHPbhxoCQOYQAvD_BwE

Our application is a website, clone the project folder into your html localhost folder
(On Ubuntu 16.04, the path of this folder is /var/www/html)
After clone, the path to project folder should be /var/www/html/daytripadvisor
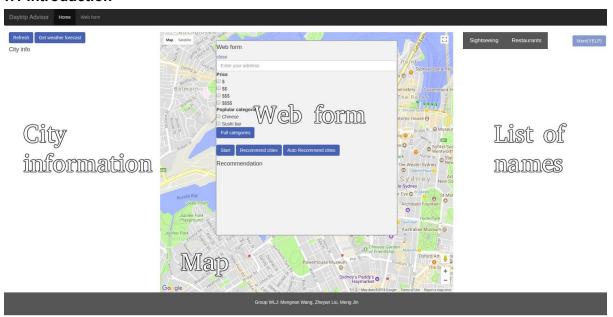
Run the application:

1. Run Apache2
2. Open broswer(e.g Chrome)
3. Visit http://localhost/daytripadvisor

User guide:
1.User interface
2.City recommendation
3.Filling web form
4.Result
5.Weather forecast

1.User interface

1.1 Introduction

Top:

"Web form" button: Click to open web form.

Left:

"Refresh" button": Click to reload the page.

City information area: Display basic information of city

Middle:

Map: Map of city
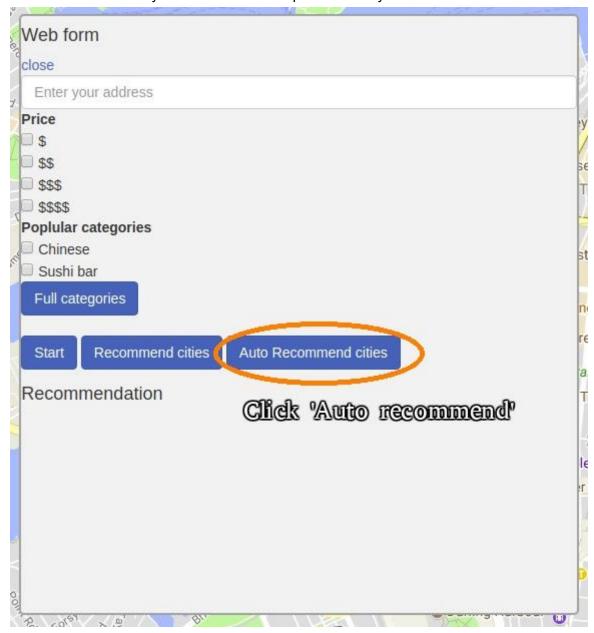
Webform: Generate query to request datum

Right:

Sightseeing/Restaurants area: List of sightseeings/restaurants

(Function of other buttons/fields will be introduced later.)

2.City recommendation

2.1 Automatic recommendation

If you have no idea about where to visit, you can click "Auto recommend cities" button. This will recommend nearby cities based on the ip address of your device.

2.2 Recommend based on address

If you do not want the application to recommend based on your ip address but based on custom address. You can enter the address in the address field and click 'Recommend cities' button.
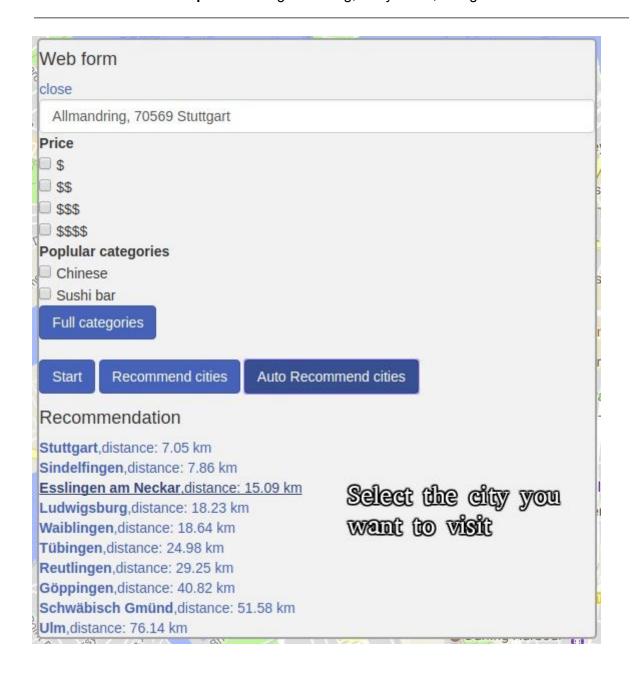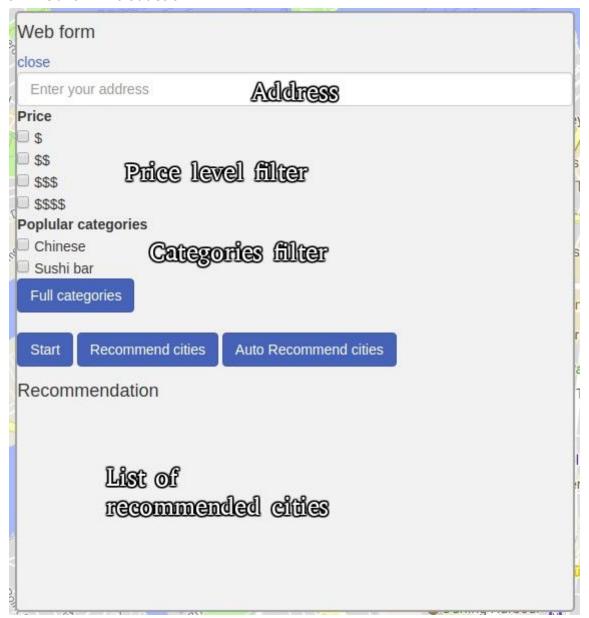
2.3 Choose city

The recommended cities will be displayed below with the distance to your current location.
Click the city you want to vist. This will fill in the address field automatically for you.

Web form

close

Allmandring, 70569 Stuttgart

Price

☐ $
☐ $$
☐ $$$
☐ $$$$

Poplular categories

☐ Chinese
☐ Sushi bar

Full categories

Start   Recommend cities   Auto Recommend cities

Recommendation

Stuttgart,distance: 7.05 km
Sindelfingen,distance: 7.86 km
Esslingen am Neckar,distance: 15.09 km
Ludwigsburg,distance: 18.23 km
Waiblingen,distance: 18.64 km
Tübingen,distance: 24.98 km
Reutlingen,distance: 29.25 km
Göppingen,distance: 40.82 km
Schwäbisch Gmünd,distance: 51.58 km
Ulm,distance: 76.14 km

Select the city you want to visit

3.Filling webform

3.1 Web form introduction

Address field: The target address where you want to vist

Price level check box: The price level of restaurants

      There are four price levels

      $: Inexpensive

      $$: Moderate

      $$$: Pricey

      $$$$: Ultra High-end

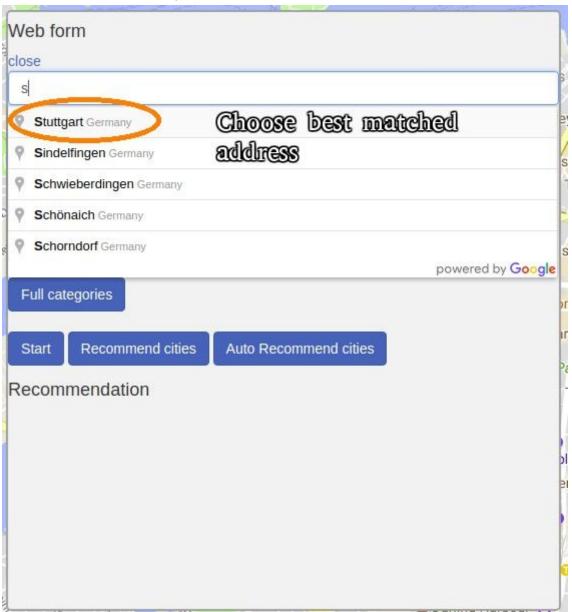Categories check box: The cuisine of restaurants

"Full categories" button: Display the full categories of restaurants

"Start" button: Start requesting datum
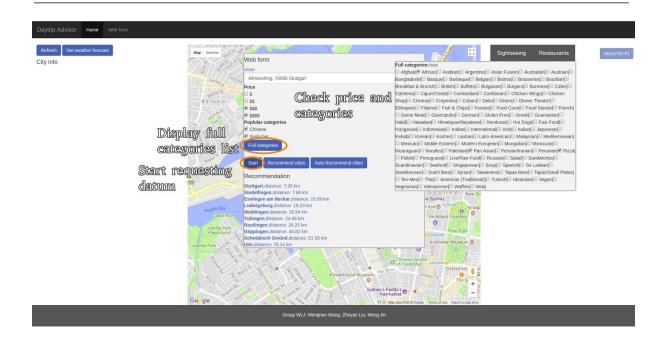
3.2 Filling address

In previous section, we have introduced how to get city recommendation. If you already have a destination. You can directly enter it in the address field. Google Autocomplete will suggest some addresses similar to your input, choose the one which matches best.

3.3 Set the restaurant filter

Additionally, you can set the restaurant filter. Check the price level of restaurants which you favor. Click "Full categories" to get the full categories of restaurants. Check those categories which you favor. Finally, click "Start" button to start requesting datum.(Check nothing means all price level or all categories)

4.Result

4.1 Introduction

Right:

The information about the city is displayed in the left side.

Center:

There is a marker for each restaurant or sightseeing on the map. Blue marker represents sightseeing. Red marker represents restaurant.

Right:

Tabs: There are two tabs, 'sightseeing' and 'restaurant'. Each tab contains the list of names of sightseeings/restaurants with the distance to your location.

"More restaurants" button: This button shows the total number of restaurants after filtering. At first, only 50 restaurants will be displayed in the list and map. To get more restaurants, click this button.

4.2 Get detail

To get the detail information about sightseeing or restaurant, you can either click the marker on the map or click the name in the list.

After clicking, a information window will be opened on the map to display the detail. It includes the name, address, phone, links to Google,YELP and official website, price level, open hours, reviews and images. Click the 'Review' button to display reviews of users from Google and YELP.

5.Weather forecast

5.1 Daily forecast

On top right corner, there is a button called "Get weather forecast". After you click it, a line chart will be displayed. This chart include the daily temperature, wind speed and percentage of rain. For example, 0.4 rain means 40% of the time it will rain(not the possibility of raining) .

5.2 Detail forecast

To get the detail forecast, click '3 Hour' button on top right corner. A table view will be displayed, we only display 3 hour forecast from 6am to 6pm, since these are the regular time slots of visiting. Date with best condition will be labeled in green and date with highest temperature will be labeled in orange.