

MP-MAP

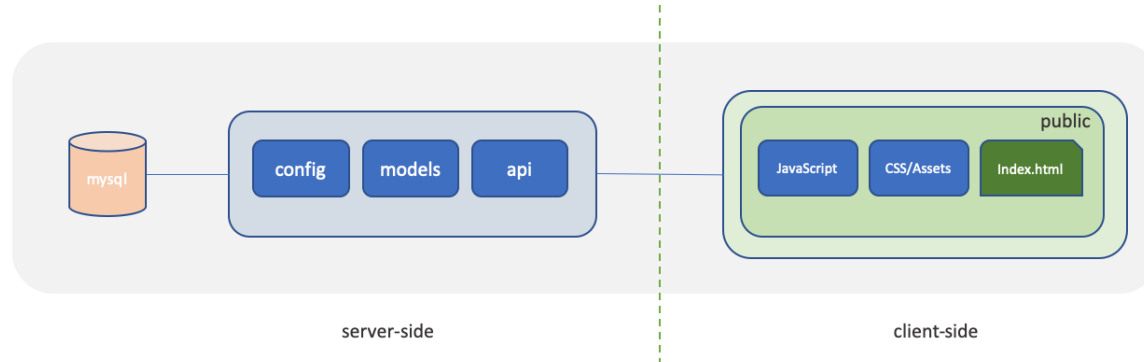
This application was designed to demonstrate the communication of the back end and front end by using PHP, JavaScript, and MySQL.

How to run?

- Download or clone the project and run the file gp-map>public>"index.html".
- Or you can run it directly by clicking to this link <http://vnsdev.com/gp-map/public>

Structure

Overview



MP-Map Structure

Folders

```
gp-map
├── api (Server-side)
│   ├── event
│   │   └── read.php
│   ├── impact
│   │   └── read.php
│   └── user
│       ├── read.php
│       └── random.php
├── config (Server-side)
│   └── Database.php
├── models (Server-side)
│   ├── Event.php
│   ├── Impact.php
│   └── User.php
├── public (Client-side)
│   ├── assets
│   ├── scripts
│   ├── styles
│   └── index.html
└── README.md
```

- Folders: API, models, and config were built by PHP, and connect to the MySQL server. The purpose is to create APIs for front-end usage.
- The public folder was created by JavaScript, HTML to get data from the back end via APIs so you can run the app on any browser or copy it to run separately.

Configs (Optional)

Config the connection to your database

- Open the file “config/Database.php”

Constant	Description	Example
\$db_servername	your server name	'localhost'
\$db_username	your user name	'root'
\$db_password	your password	'*****'
\$db_dbname	database name	'db_test'

Config the connection to your API and Google API

- Open the file “public/Scripts/configJS.js”

Constant	Description	Example
API_SERVER	Link to the API	' http://vnsdev.com/gp-map/api/ '
API_KEY_GOOGLE_MAP	your Google Map API	'abCdxzgivepulseXWa'

APIs

GET	API
User	[YOUR-HOST]/gp-map/api/ user /read.php?id=[USER-ID]
Impact	[YOUR-HOST]/gp-map/api/ impact /read.php?id=[USER-ID]
Events	[YOUR-HOST]/gp-map/api/ event /read.php?lat=[LATITUDE]&lng=[LONGITUDE]&dis=[DISTANCE]&date=[DATE]

You can test the APIs by running the following links:

EXAMPLE

GET	API
User	http://vnsdev.com/gp-map/api/user/read.php?id=11531489
Impact	http://vnsdev.com/gp-map/api/impact/read.php?id=11531489
Events	http://vnsdev.com/gp-map/api/event/read.php?lat=30.3328019&lng=-97.7009416&dis=5&date=2015-12-6

Features!

Events finder

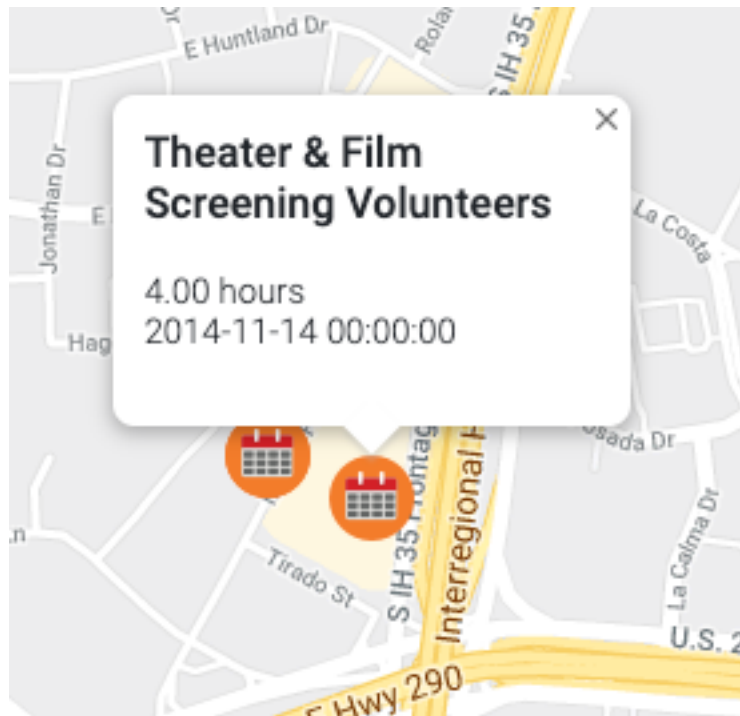
1. Use Case 1: User accesses the page with their account and sees events nearby.



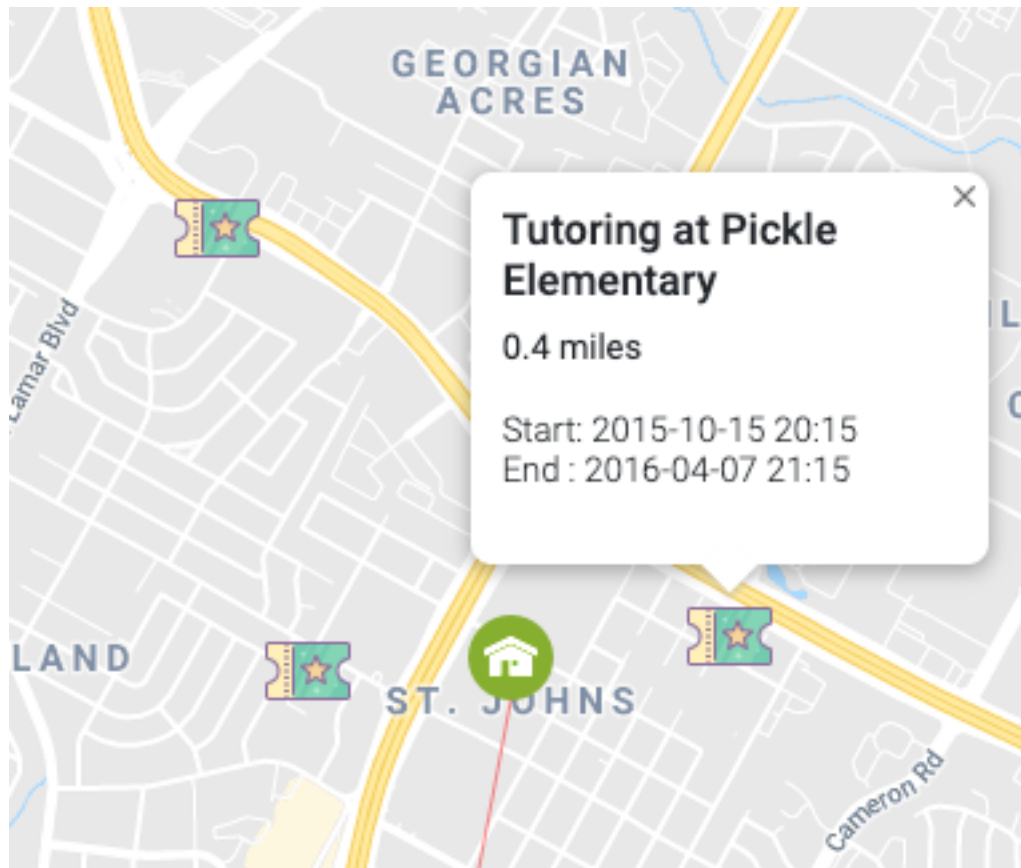
The user can have a quick view of the events: Title, distance from their house, etc



The user can also see their impacts on the map



2. Use Case 2: User wants to try to move to another location and see events near them at X distance.



By using the tool on the left side, the user can change the date, the new location by providing the address, and distance options.

Set new home

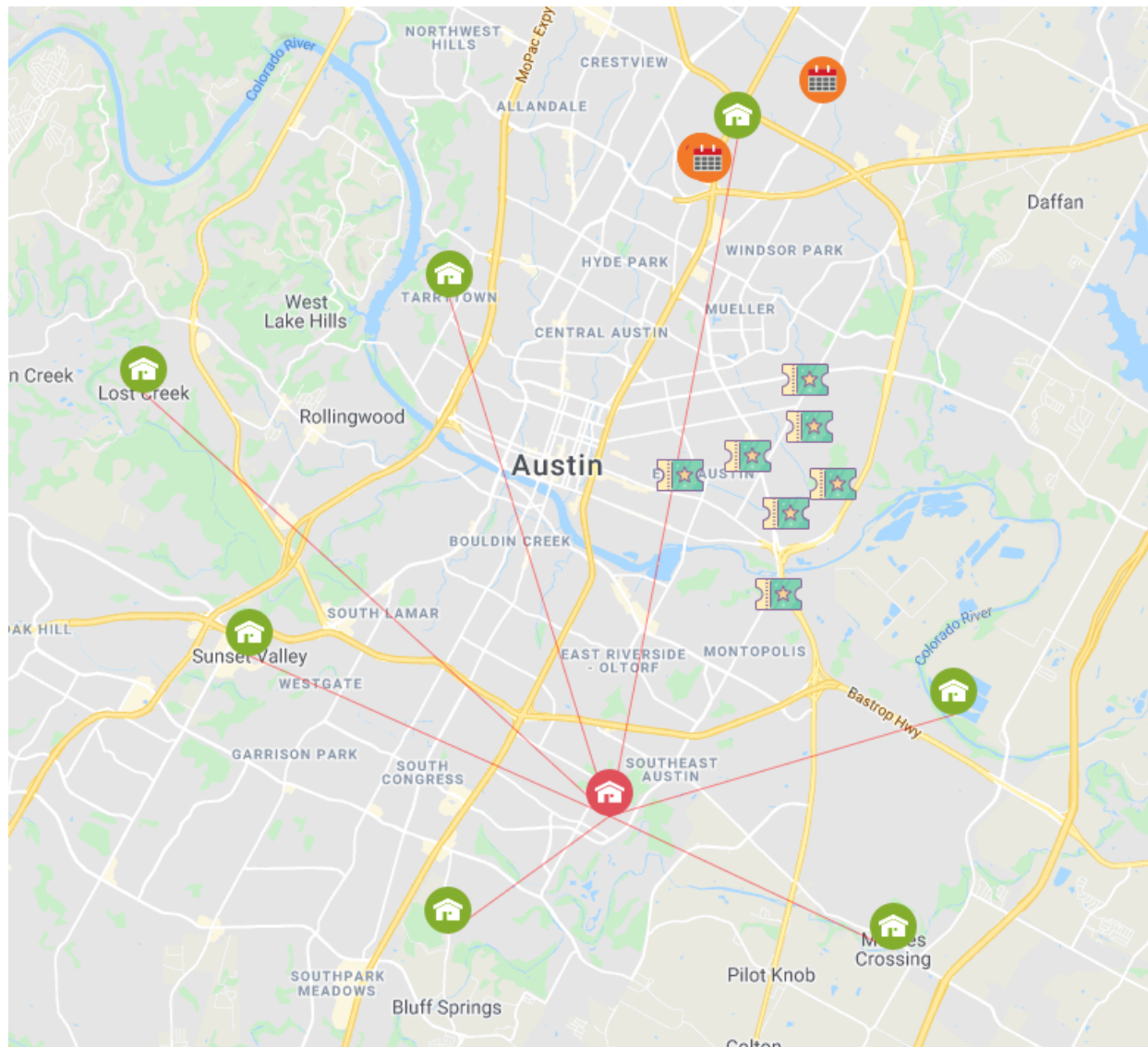
Today: Dec 7, 2015

ST. Johns, Austin

5 miles

Search

The red line helps the user keep track of the multiple new locations that they have created.



Resources

- [jQuery] - JavaScript library designed to simplify HTML DOM.
- [Bootstrap] - Free and open-source CSS framework.
- [Google Map API] - The Maps JavaScript API lets you customize maps with your own content.