

# OsmPoint

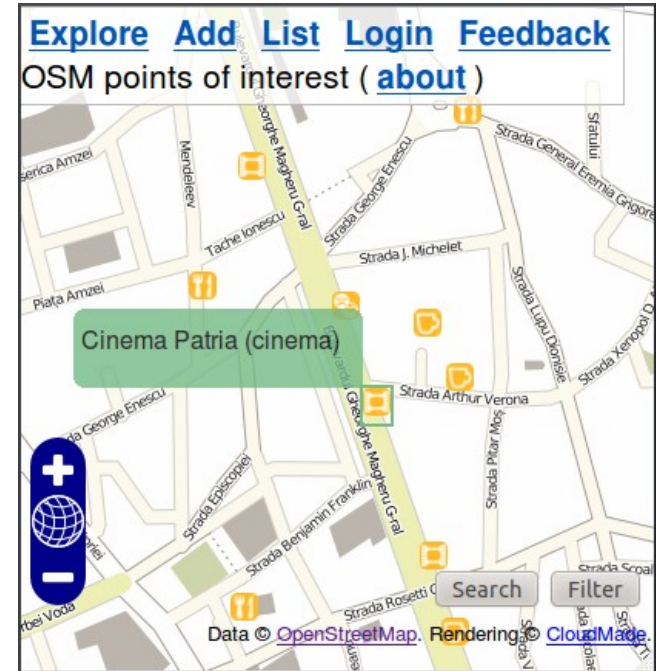


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# Intro

- OSM: <http://www.openstreetmap.org/>
- OsmPoint: <http://poi.grep.ro>
  - Puncte de interes (POIs)
    - restaurante, cafenele, baruri, cinematografe, teatre, etc.
  - Explore
    - filtrare, căutare
  - Add
    - logare cu contul de Google
    - puncte adăugate într-o bază locală de date și verificate de admini înainte de a fi trimise spre OSM



# Înainte de RSoC

- PyBucurești: <http://pybucuresti.grep.ro/>
- logare utilizator
- localizare poziție prin WiFi/GPS
- adăugare POIs în baza locală de date

# How it works (1) - Server

- Python

- Flask – microframework

- PORNIRE server
    - Bază de date – SQLAlchemy
    - Template rendering – Jinja2

```
* Running on http://0.0.0.0:7777/  
* Restarting with reloader
```

```
db.session.add(point)  
db.session.commit()
```

```
return flask.render_template('explore.html', point_data=point_data)
```

- API-ul OSM

- Changesets

- Unit tests

```
changeset_id = osm.ChangesetCreate()  
[...]  
    node_dict = osm.NodeCreate({  
        u"lon": p.longitude,  
        u"lat": p.latitude,  
        u"tag": tags,  
    })  
[...]  
osm.ChangesetClose()
```

# How it works (2) - Client

- HTML + CSS

- Forms

```
<form method="post"
      action="{% url_for('.send_point', point_id=point.id) %}">
  <input type="submit" value="submit">
</form>
```

- Mobile rendering

```
<meta name="viewport" content="width=device-width">
```

- OpenLayers

- JavaScript
- CloudMade tiles
- Markers
- Pop-ups
- Poziție GPS



# Organizare

- Git
- Github: <https://github.com/pybucuresti/OsmPoint>
- TODOs
  - Email către admini când un nou punct este adăugat
  - Documentație
  - Descriere
  - Reținerea contribuitorilor și anunțarea lor când punctele adăugate de ei au fost verificate

# Demo (1)

## Filter

[Explore](#) [Add](#) [List](#) [Login](#) [Feedback](#)  
OSM points of interest ( [about](#) )

Filter locations:

- bars
- pubs
- cafes
- nightclubs
- restaurants
- theatres
- cinemas
- fuel stations

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The screenshot shows a map of Bucharest with numerous orange icons representing filtered points of interest. The interface includes a navigation panel on the left with a zoom control and a search/filter panel at the top. The map is centered on the city of Bucharest, with various streets and landmarks visible.

## Search

[Explore](#) [Add](#) [List](#) [Login](#) [Feedback](#)  
OSM points of interest ( [about](#) )

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The screenshot shows a search interface where the word 'piranha' has been entered into a search box. The search results are displayed on a map of Bucharest, with a single orange icon representing a pub named 'Club Piranha'. A green callout box highlights the icon with the text 'Club Piranha (pub)'. The interface includes a navigation panel on the left and a search/filter panel at the top.

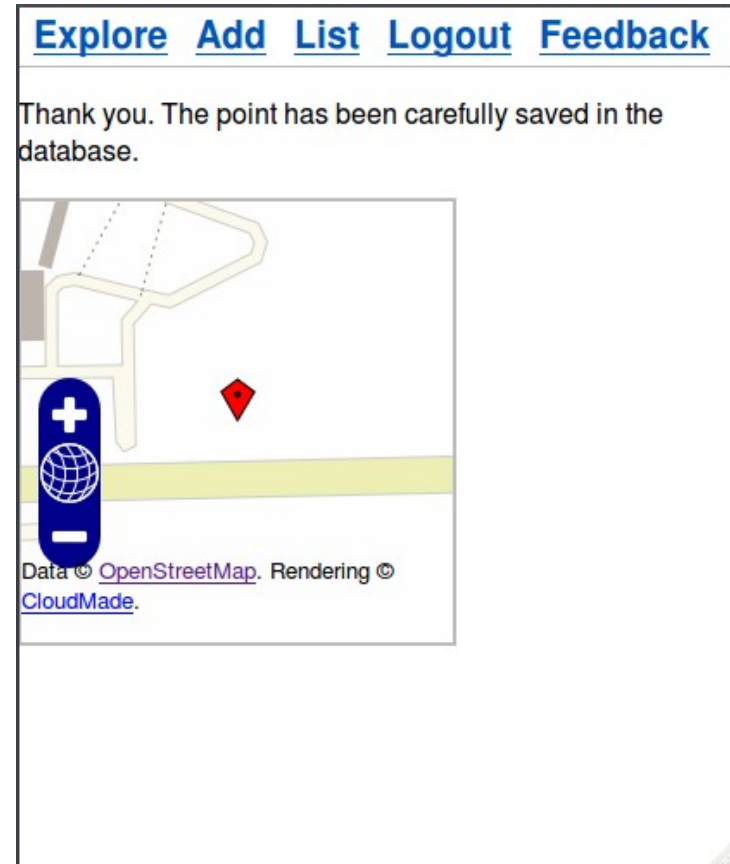


# Demo (2)

## Add (1)



## Add (2)






# Demo (3)

## User

[Explore](#) [Add](#) [List](#) [Login](#) [Feedback](#)

Name: Valea Regilor  
Type: cafe




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## Admin

[Explore](#) [Add](#) [List](#) [Logout](#) [Feedback](#)

Name:

Type:



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# Întrebări

