

Objective = add a web-service using a list of GPS points

In this tutorial you will learn how to add a web-service that

reverses a list of GPS points



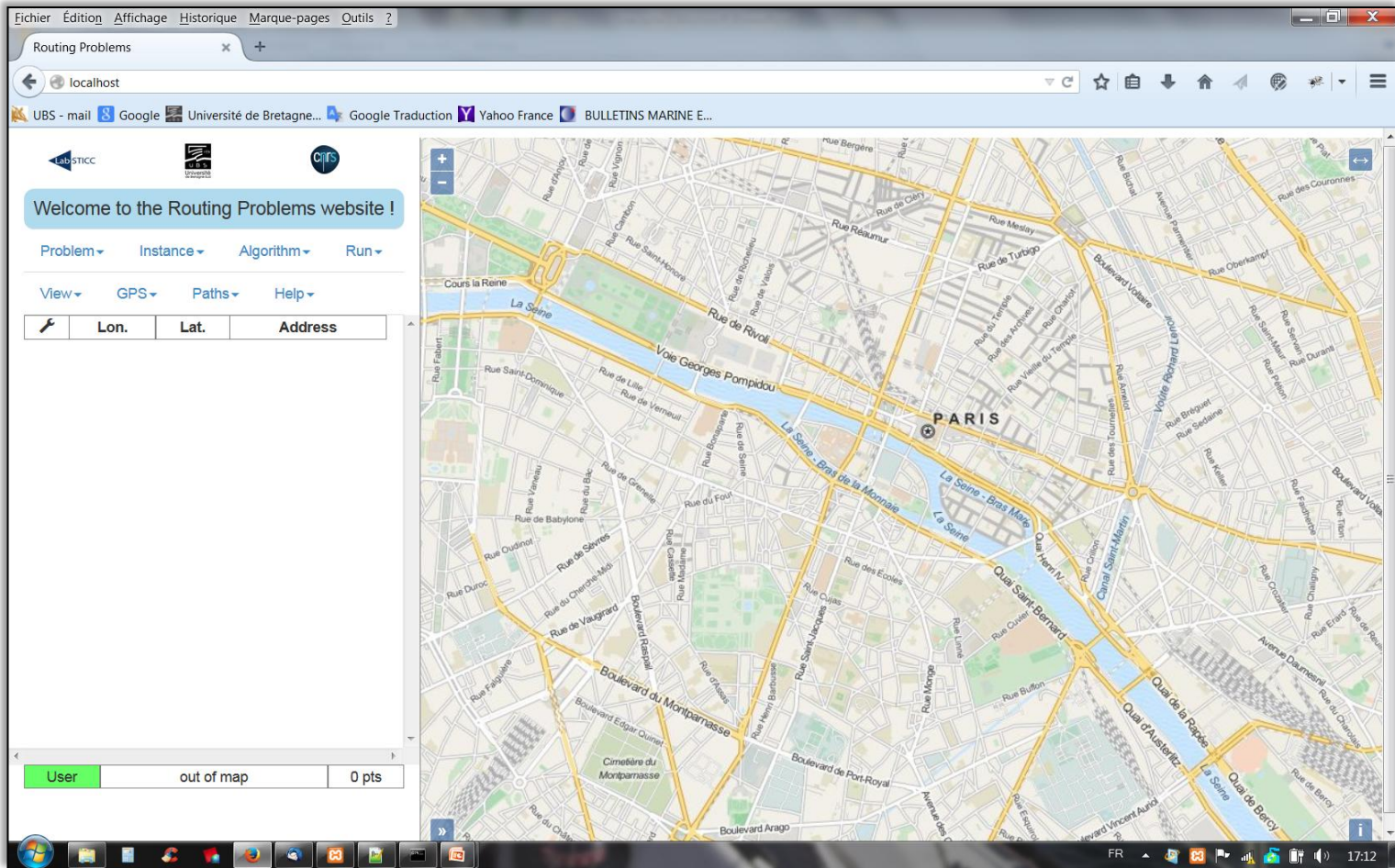
We suppose you are using Firefox, Chrome or IE.

We suppose you have a running, and well-configured, apache server on your PC.

*There is another tutorial ($Y=AX+B$), which is very detailed.
So, this time, we won't go into much GUI's details.*



Start a browser with the URL "localhost"



You should see exactly this.



Create a list of GPS points named "paris"

The screenshot shows a web browser window titled "Routing Problems" at the URL "localhost". The browser's address bar and tabs are visible. The page content includes a navigation menu with options like "Problem", "Instance", "Algorithm", "Run", "View", "GPS", "Paths", and "Help". A table displays three GPS points with their coordinates and addresses in Paris. To the right of the table is a map of Paris with three green location pins placed at the specified addresses. The map shows major roads, the Seine river, and the city center.

Welcome to the Routing Problems website !

Problem ▾ Instance ▾ Algorithm ▾ Run ▾

View ▾ GPS ▾ Paths ▾ Help ▾

	Lon.	Lat.	Address
1 ▾	2.3228 E	48.8586 N	229 Boulevard Saint-Germain, Paris, 75007, Paris, Île-de- France, FR
2 ▾	2.3560 E	48.8491 N	Rue des Fossés Saint- Bernard, Paris, 75005, Paris, Île-de-France, FR
3 ▾	2.3824 E	48.8649 N	8 Passage de Ménilmontant, Paris, 75011, Paris, Île-de- France, FR

User out of map 3 pts

paris

Create a new problem

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Routing Problems

localhost

UBS - mail Google Université de Bretagne... Google Traduction Yahoo France BULLETINS MARINE E...

Specify a problem

Name:

Comment:

Parameters

<input type="text" value="list"/>	<input type="text" value="name of the list"/>	Delete parameter
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Native Set Struct

Type is: Integer Real Word String List

Add parameter Save problem Delete problem

User out of map 3 pts
paris

Create a new instance

Routing Problems

localhost

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STICC CIP

Specify an instance

Problem name:

Instance name: Comment:

Values

User out of map 3 pts

paris

Create a new algorithm

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Routing Problems

localhost

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LabSTICC

Specify an algorithm

Problem name:

Algorithm name: Remote PHP file name:

Comment:

User out of map 3 pts
paris

Create a new run

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Routing Problems

localhost

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STICC CIF

Specify a run

Problem name:

Run name: Instance name: Algorithm name:

Save Run Delete Run

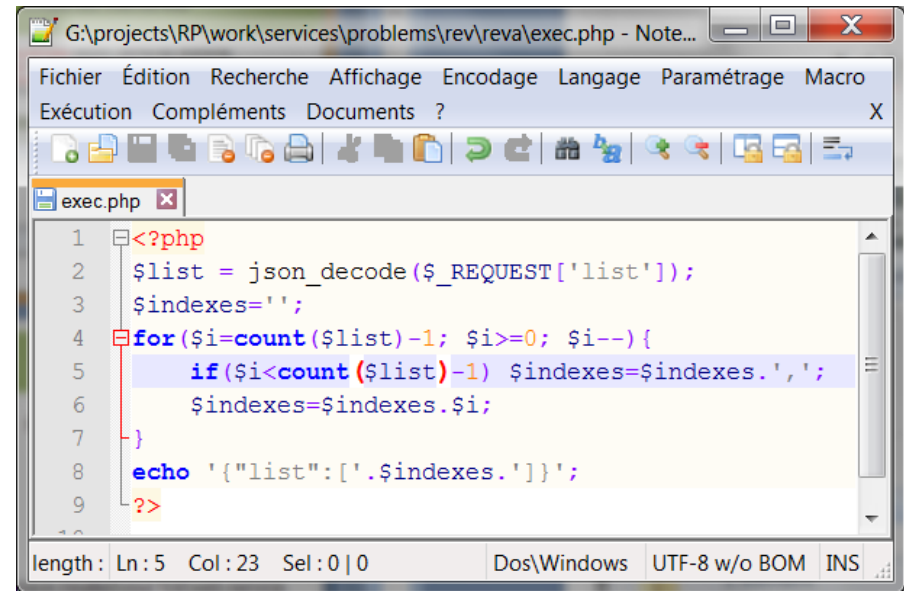
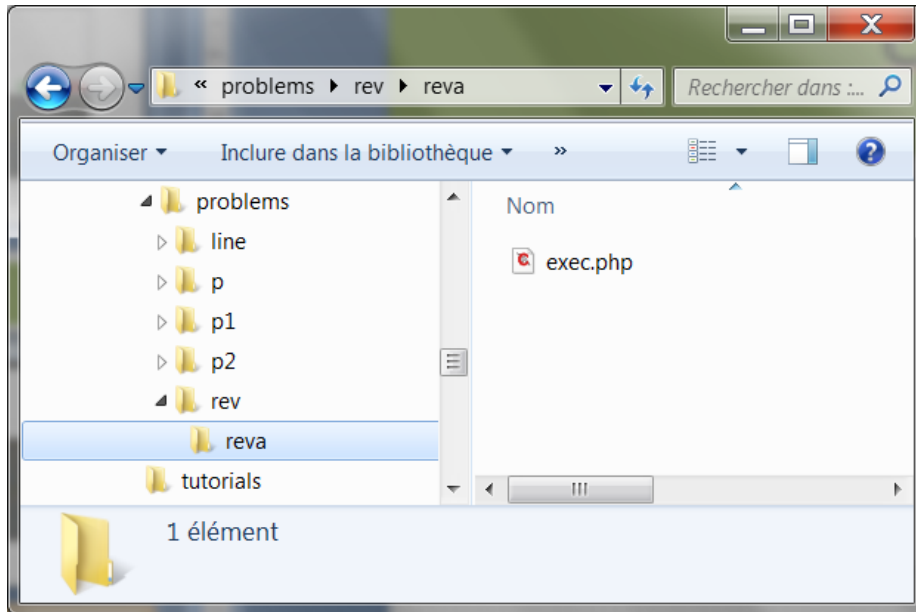
			Île-de-France, FR
3	2.3824	48.8649	8 Passage de Ménilmontant, Paris, 75011, Paris, Île-de- France, FR
	E	N	

User out of map 3 pts

paris

Create the web-service

Under the `problems` directory, add the new directories
`rev` for the problem
`reva` for the algorithm
Add the PHP file `exec.php` under `rev/reva`



Launch the web-service

Welcome to the Routing Problems website !

Problem ▾ Instance ▾ Algorithm ▾ Run ▾

View ▾ GPS ▾ Paths ▾ Help ▾ New

	Lon.	Lat.	Address
1 ▾	2.3228 E	48.8586 N	229 Boulevard Saint-Germain, Paris, 75007, Paris, France, FR
2 ▾	2.3560 E	48.8491 N	Rue des Fossés Saint-Bernard, Paris, 75005, Paris, Île-de-France, FR
3 ▾	2.3824 E	48.8649 N	8 Passage de Ménilmontant, Paris, 75011, Paris, Île-de-France, FR

User out of map 3 pts

paris

Click here

Launch the web-service

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📍	Lon.	Lat.	Address
1 ▾	2.3824 E	48.8649 N	8 Passage de Ménilmontant, Paris, 75011, Paris, Île-de- France, FR
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User out of map 3 pts

paris

Look, the list has been reversed!

Conclusion



Congratulations !

You have created your 1rst web-service dealing with a list of GPS points.

