Autopricing

Charlas on the go (Mayo)

Mayte Giménez

Arquitectura de la aplicación

Server app
(Django)

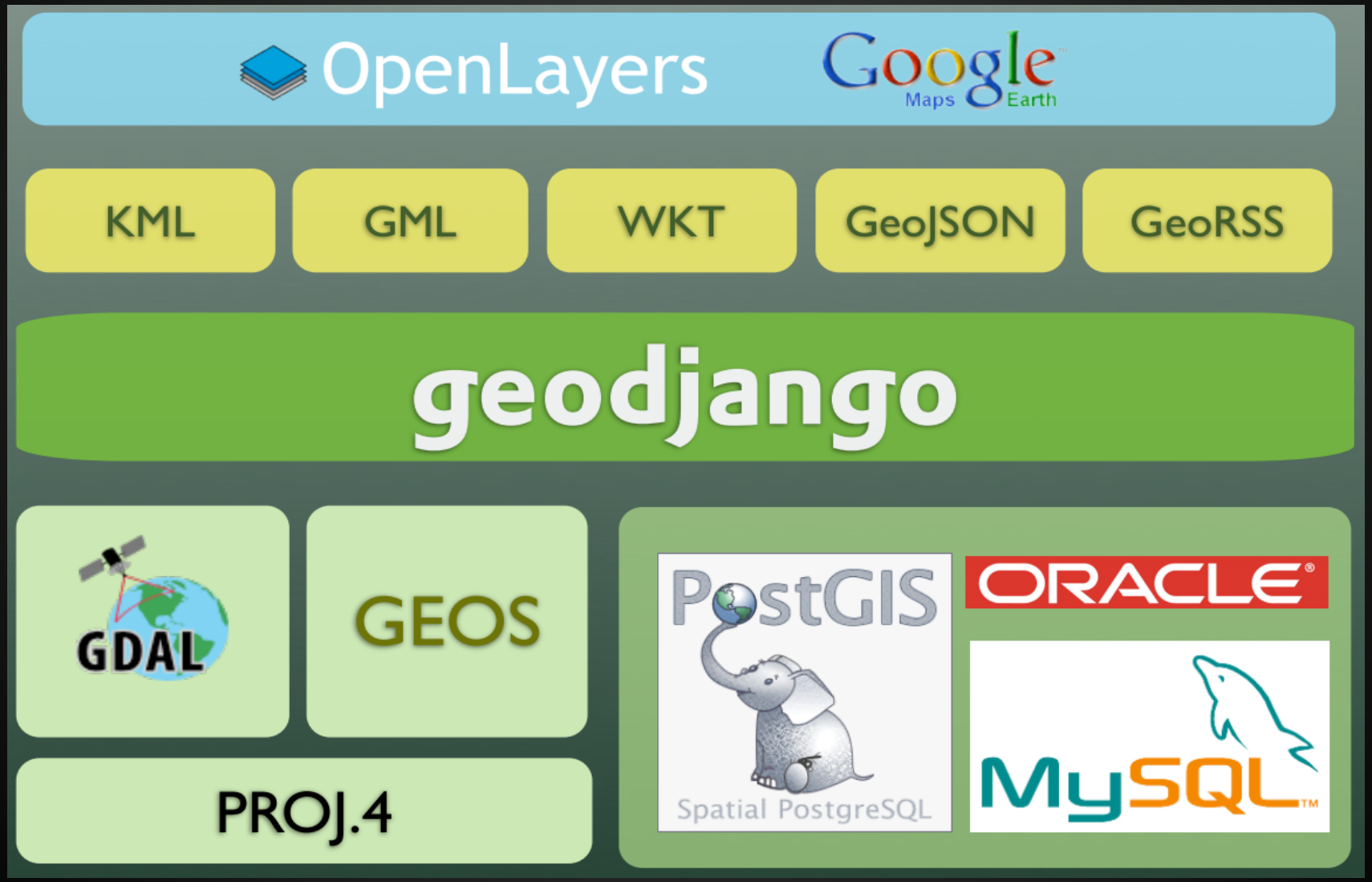
Json

Cliente
(Android)

Django

- Framework de alto nivel de python.
- Modela la base de datos. (spatiallite (sqlite con soporte GIS))
- Sistema de plantillas.
- Diseño de urls.
- Permite internacionalización

Geodjango


OpenLayers
Google Maps Earth
KML
GML
WKT
GeoJSON
GeoRSS
geodjango
GDAL
GEOS
PROJ.4
PostGIS
Spatial PostgreSQL
ORACLE
MySQL

OSM & Open Layers

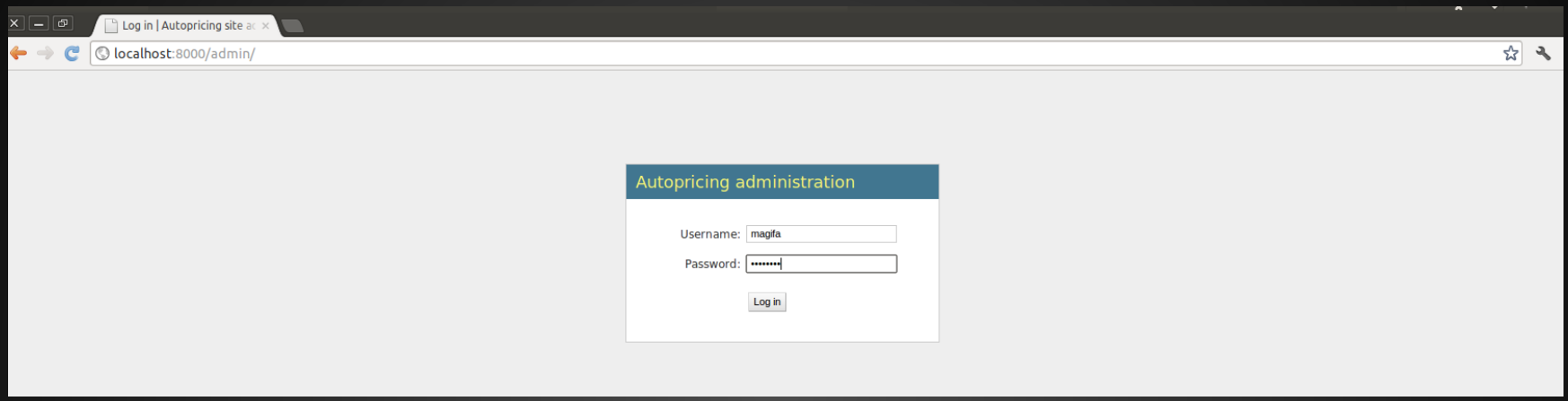
- Open Database License (ODbL)

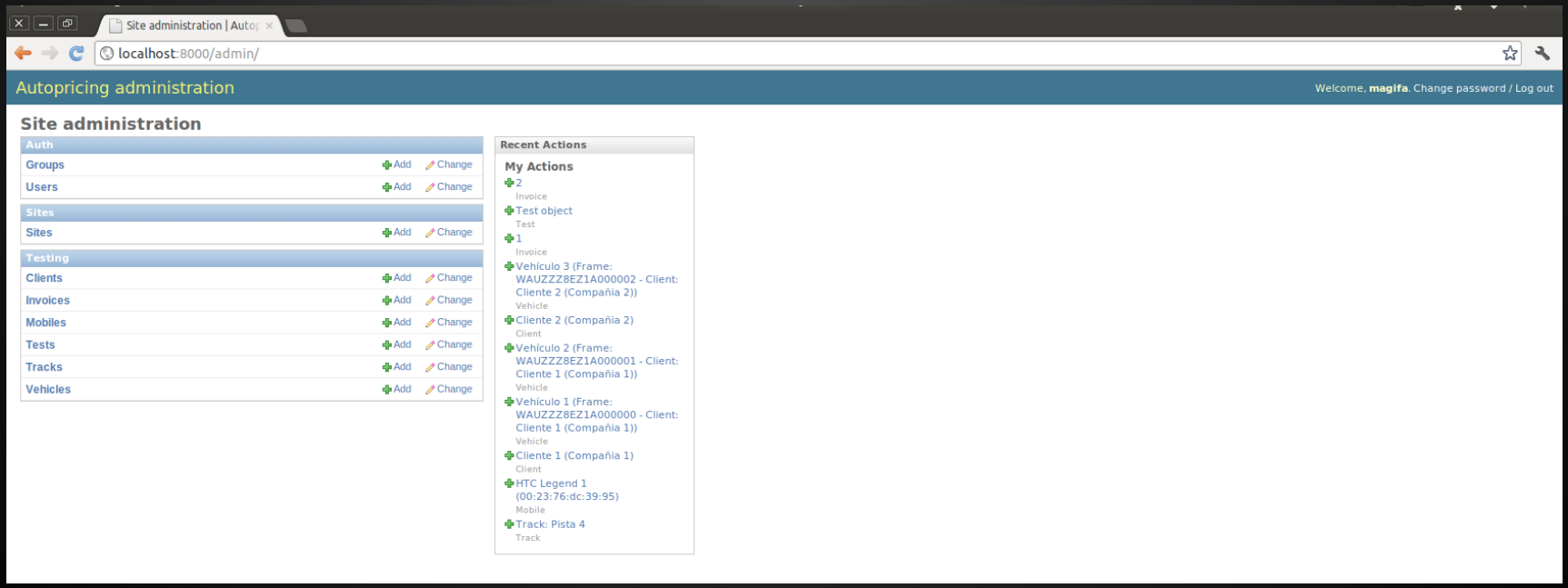
- Dibujamos las pistas sobre una capa de Open Layers sobre OSM.
- Se utiliza el formato estándar WKT para dibujar estas pistas.

Javascript

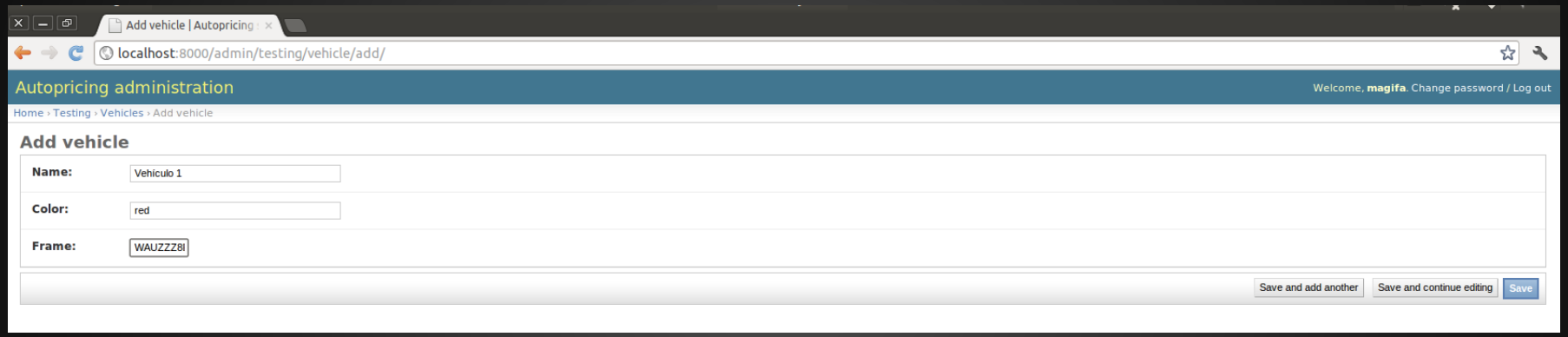
- Open Layers utiliza javascript para incluir los mapas en la web.
- Inyectamos las dependencias (las pistas) desde Django.
- Plantillas javascript en el proyecto django.

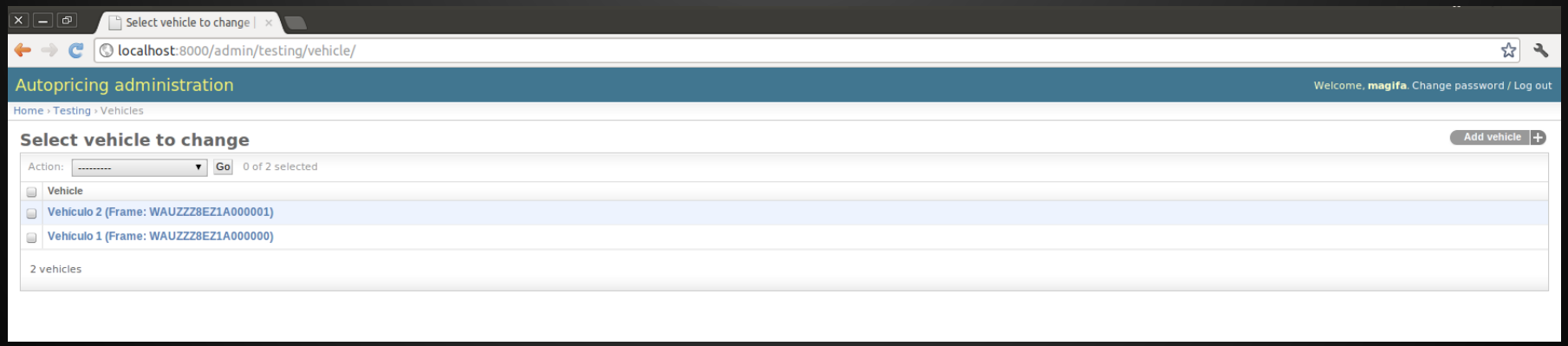
Admin: pantallas de inicio



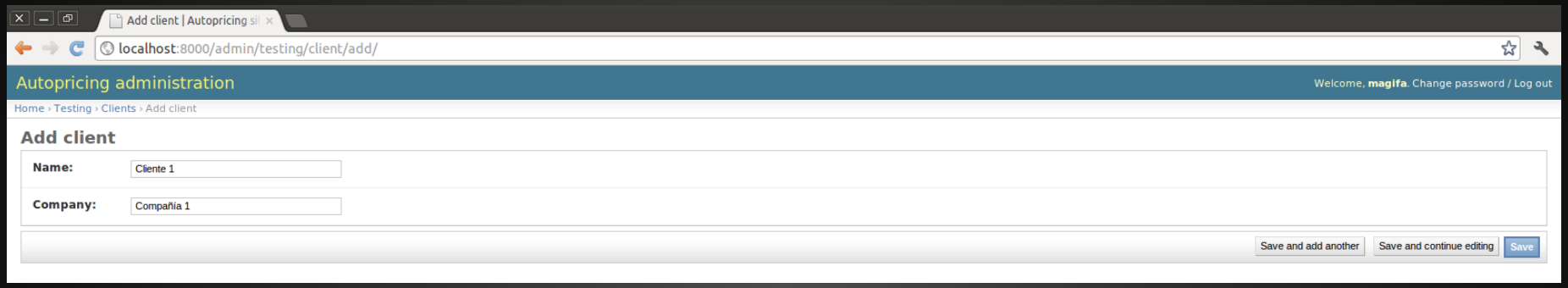


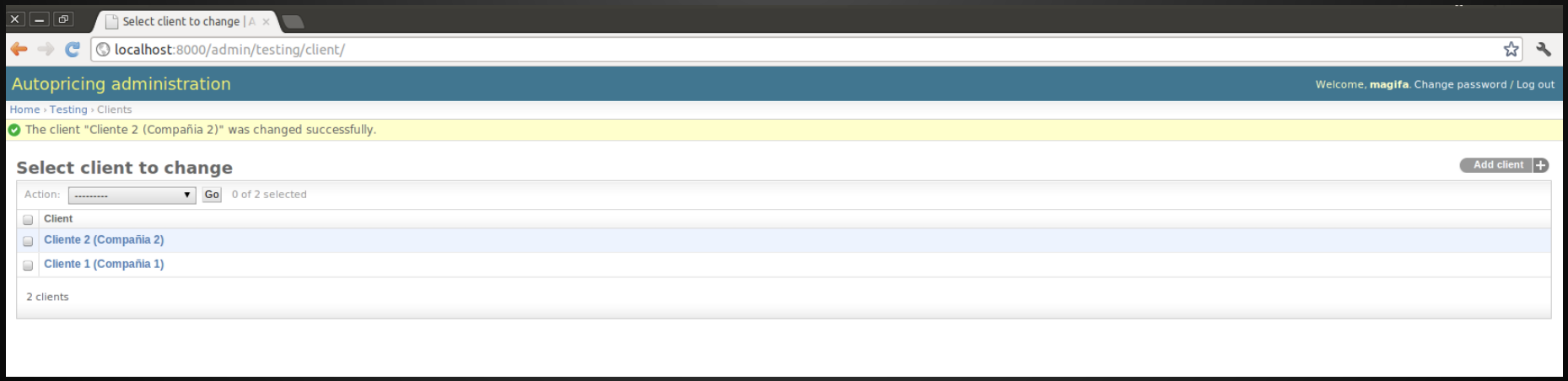
Admin: Car


Add vehicle | Autopricing
localhost:8000/admin/testing/vehicle/add/
Autopricing administration
Welcome, magifa. Change password / Log out
Home › Testing › Vehicles › Add vehicle
Add vehicle
Name:
Vehículo 1
Color:
red
Frame:
WAUZZZ8I
Save and add another
Save and continue editing
Save

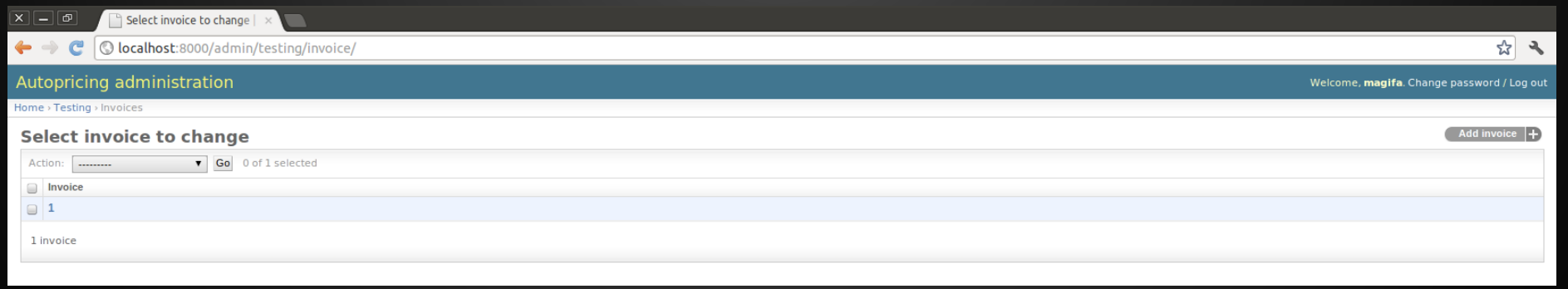

Select vehicle to change
localhost:8000/admin/testing/vehicle/
Autopricing administration
Welcome, magifa. Change password / Log out
Home › Testing › Vehicles
Select vehicle to change
Add vehicle
Action:
Go
0 of 2 selected
Vehicle
Vehículo 2 (Frame: WAUZZZ8EZ1A000001)
Vehículo 1 (Frame: WAUZZZ8EZ1A000000)
2 vehicles

Admin: Clients

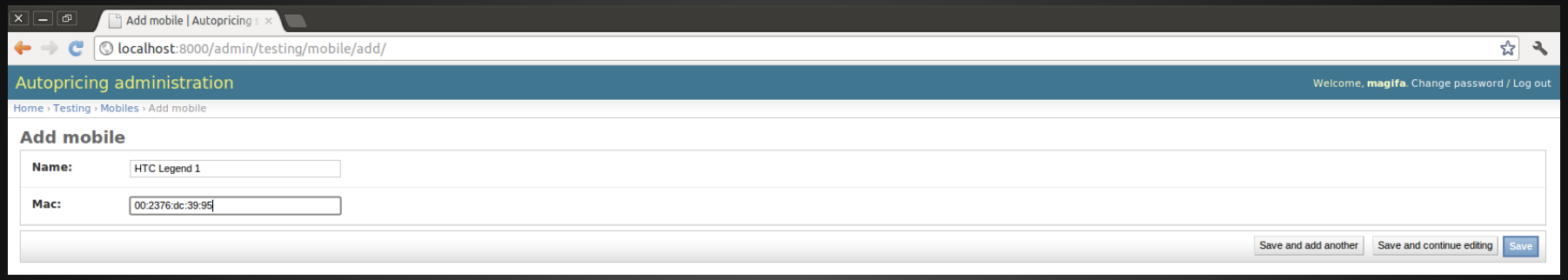


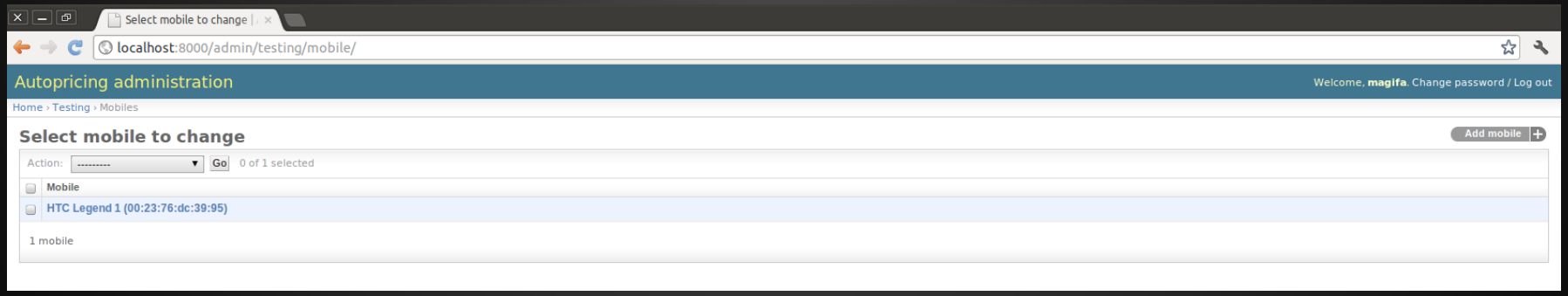


Admin: Invoice

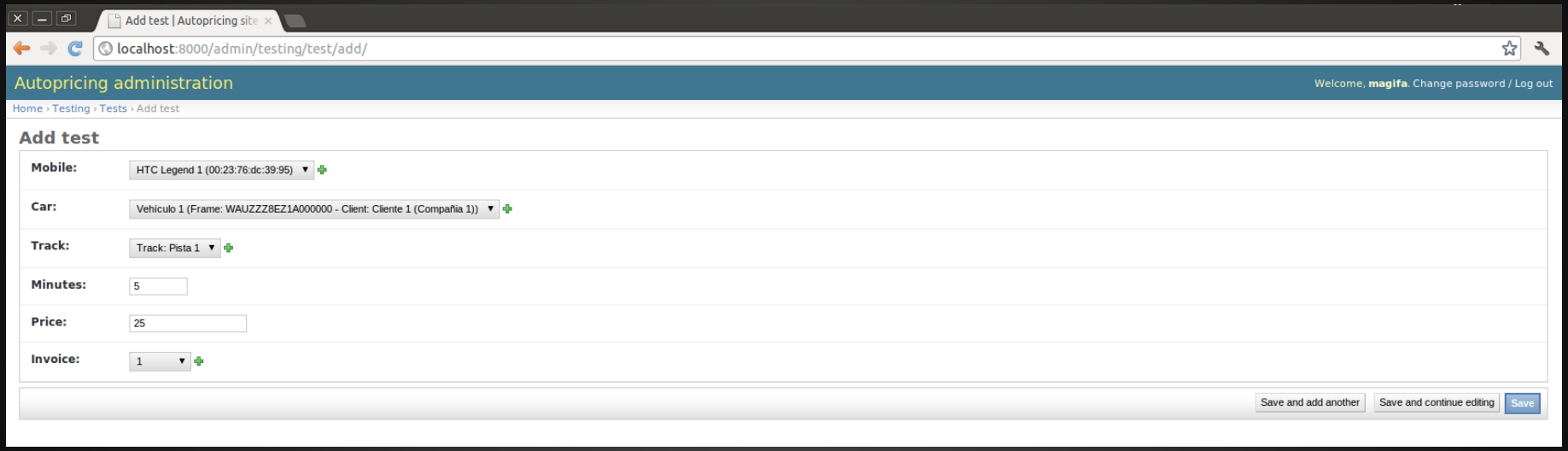


Admin: Mobile

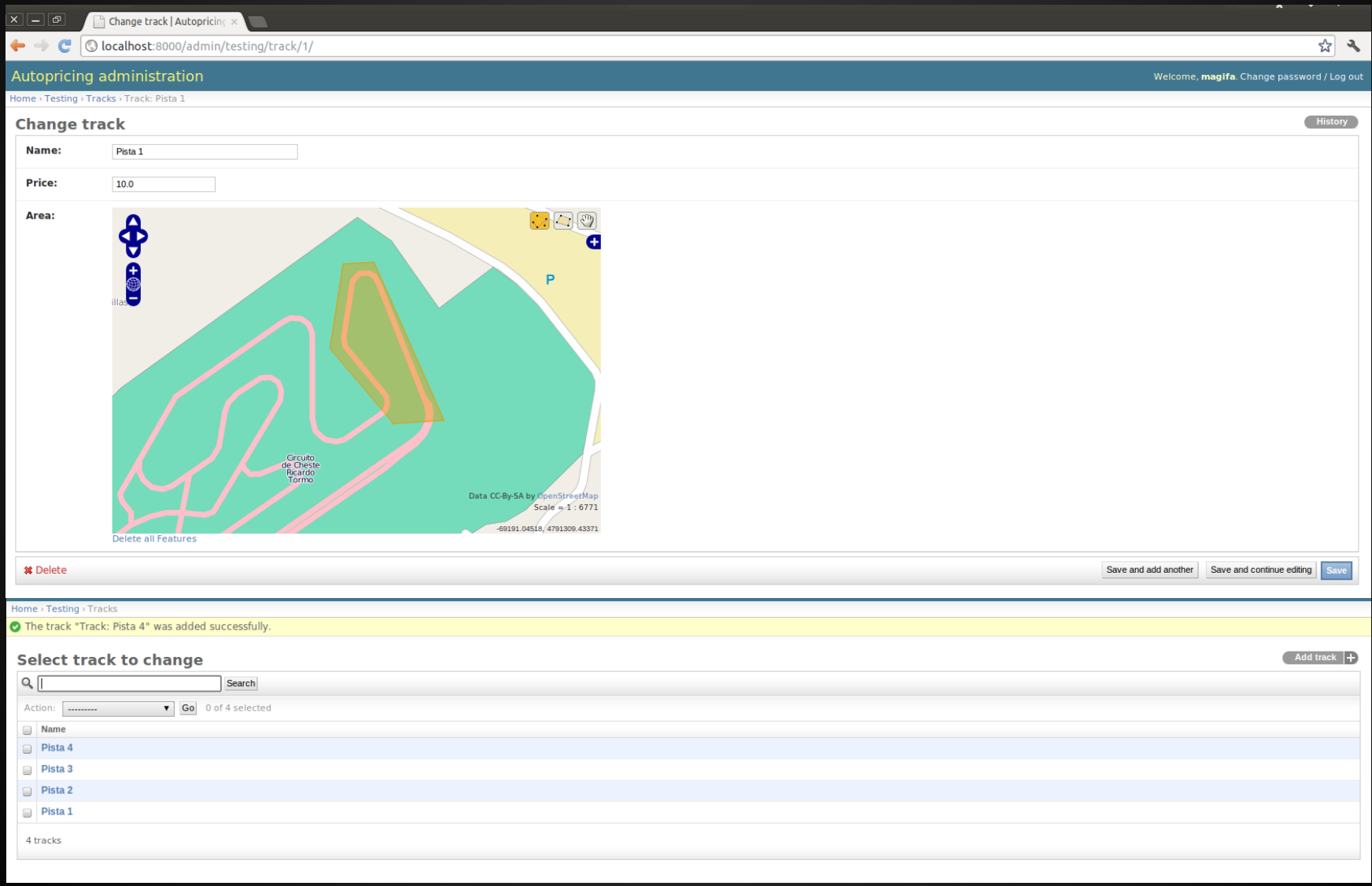




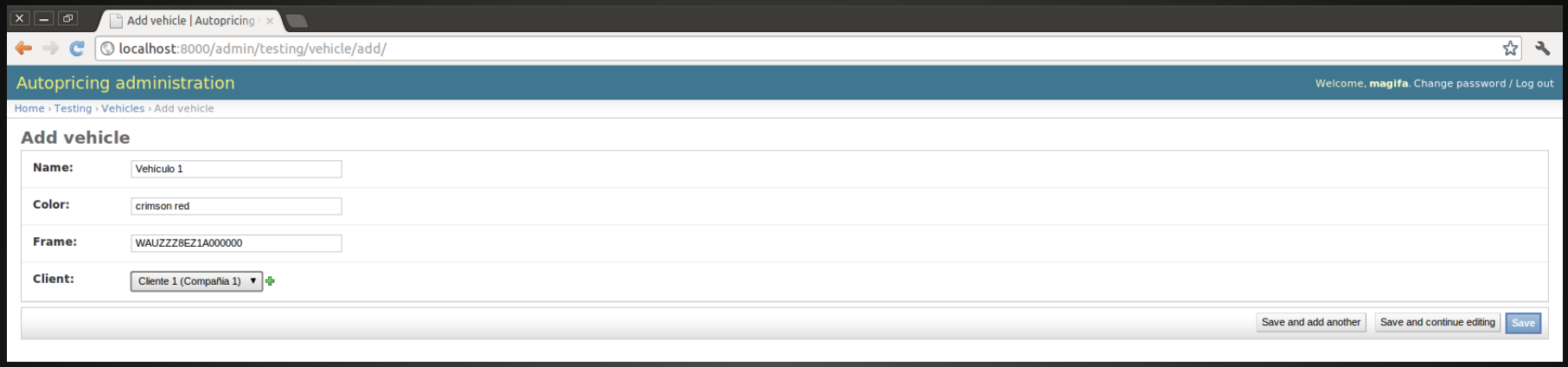
Admin: Tests

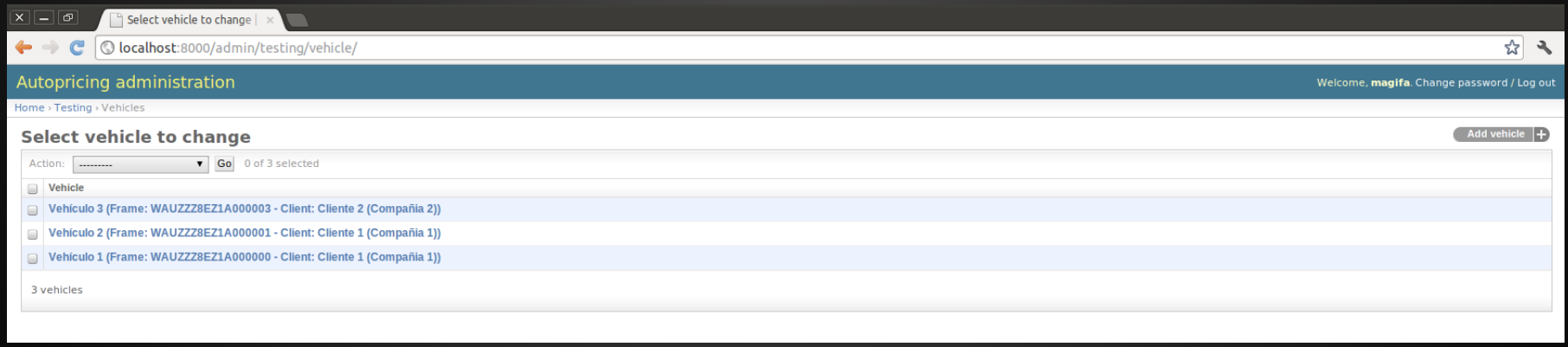

Add test | Autopricing site
localhost:8000/admin/testing/test/add/
Autopricing administration
Welcome, magifa. Change password / Log out
Home › Testing › Tests › Add test
Add test
Mobile:
HTC Legend 1 (00:23:76:dc:39:95)
Car:
Vehiculo 1 (Frame: WAUZZZ8EZ1A000000 - Client: Cliente 1 (Compañia 1))
Track:
Track: Pista 1
Minutes:
5
Price:
25
Invoice:
1
Save and add another
Save and continue editing
Save

Admin: Tracks



Admin: Vehicle





Client: Tracks

Tracks

localhost:8000/tracks/

Autopricing

Tracks

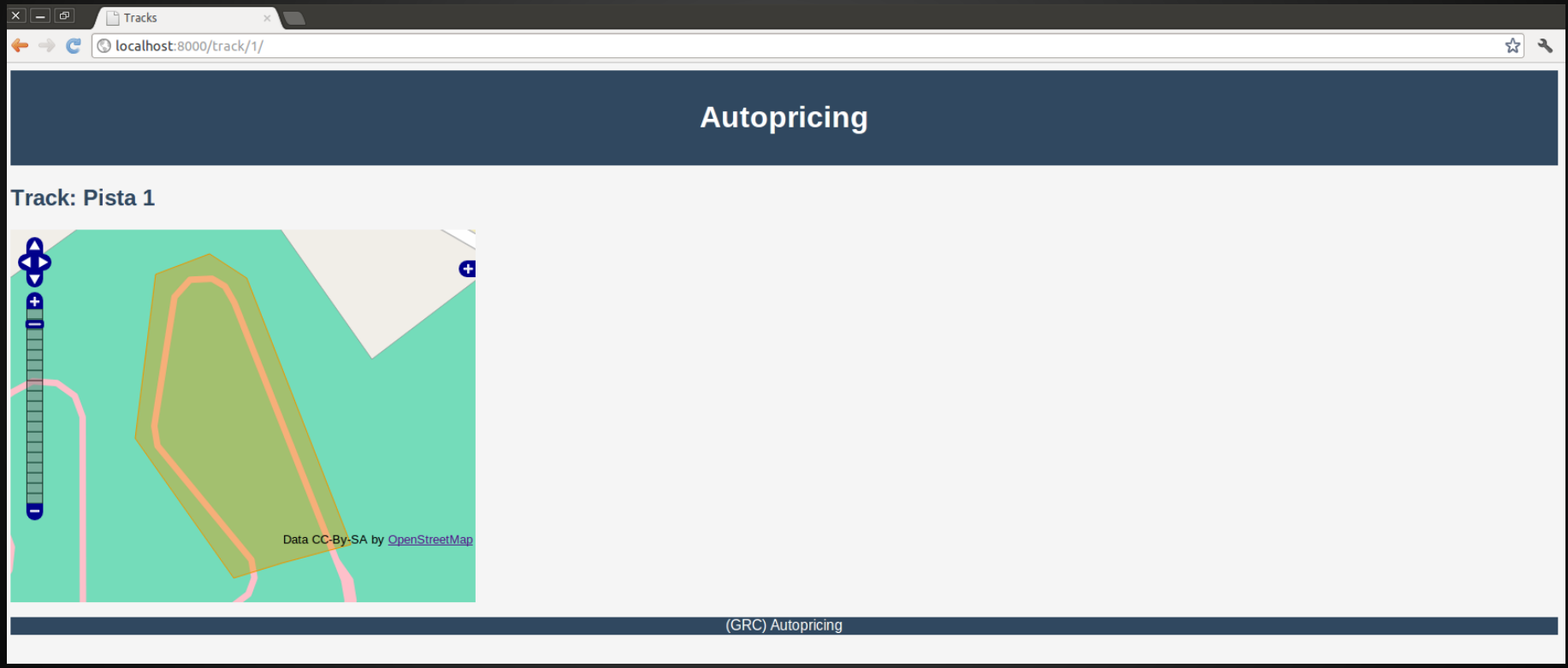
Pista 1 - POLYGON ((-0.6268000000000000 39.4869029999999981, -0.6273580000000000 39.4867699999999999, -0.6284950000000000 39.4880119999999977, -0.6282590000000000 39.4894699999999972, -0.6276370000000000 39.4896519999999995, -0.6272080000000000 39.4894370000000023, -0.6260060000000000 39.4870680000000007, -0.6268000000000000 39.4869029999999981))

Pista 2 - POLYGON ((-0.6262310000000000 39.4867950000000008, -0.6260280000000000 39.4868609999999975, -0.6259200000000000 39.4867539999999977, -0.6258770000000000 39.4865629999999967, -0.6259310000000000 39.4862899999999968, -0.6261460000000000 39.4859840000000020, -0.6267250000000000 39.4856440000000006, -0.6272610000000000 39.4852550000000022, -0.6316490000000000 39.4829280000000011, -0.6322719999999999 39.4824479999999980, -0.6338170000000000 39.4819919999999982, -0.6345570000000000 39.4815619999999967, -0.6346430000000000 39.4817269999999994, -0.6292250000000000 39.4846750000000029, -0.6266180000000000 39.4861080000000015, -0.6262210000000000 39.4864389999999972, -0.6262310000000000 39.4867950000000008))

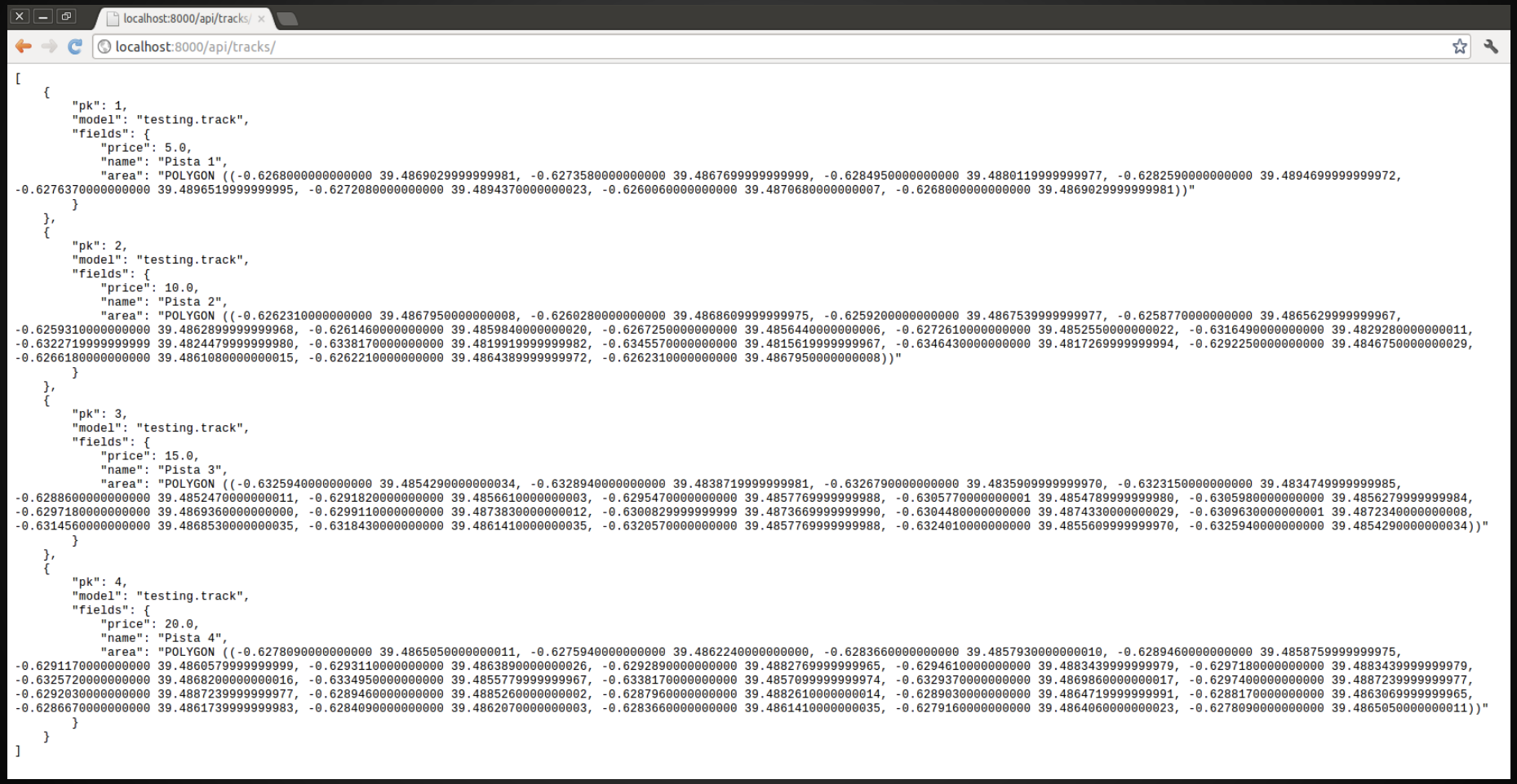
Pista 3 - POLYGON ((-0.6325940000000000 39.4854290000000034, -0.6328940000000000 39.4838719999999981, -0.6326790000000000 39.4835909999999970, -0.6323150000000000 39.4834749999999985, -0.6288600000000000 39.4852470000000011, -0.6291820000000000 39.4856610000000003, -0.6295470000000000 39.4857769999999988, -0.6305770000000001 39.4854789999999980, -0.6305980000000000 39.4856279999999984, -0.6297180000000000 39.4869360000000000, -0.6299110000000000 39.4873830000000012, -0.6300829999999999 39.4873669999999990, -0.6304480000000000 39.4874330000000029, -0.6309630000000001 39.4872340000000008, -0.6314560000000000 39.4868530000000035, -0.6318430000000000 39.4861410000000035, -0.6320570000000000 39.4857769999999988, -0.6324010000000000 39.4855609999999970, -0.6325940000000000 39.4854290000000034))

Pista 4 - POLYGON ((-0.6278090000000000 39.4865050000000011, -0.6275940000000000 39.4862240000000000, -0.6283660000000000 39.4857930000000010, -0.6289460000000000 39.4858759999999975, -0.6291170000000000 39.4860579999999999, -0.6293110000000000 39.4863890000000026, -0.6292890000000000 39.4882769999999965, -0.6294610000000000 39.4883439999999979, -0.6297180000000000 39.4883439999999979, -0.6325720000000000 39.4868200000000016, -0.6334950000000000 39.4855779999999967, -0.6338170000000000 39.4857099999999974, -0.6329370000000000 39.4869860000000017, -0.6297400000000000 39.4887239999999977, -0.6292030000000000 39.4887239999999977, -0.6289460000000000 39.4885260000000002, -0.6287960000000000 39.4882610000000014, -0.6289030000000000 39.4864719999999991, -0.6288170000000000 39.4863069999999965, -0.6286670000000000 39.4861739999999983, -0.6284090000000000 39.4862070000000003, -0.6283660000000000 39.4861410000000035, -0.6279160000000000 39.4864060000000023, -0.6278090000000000

Client: Track_id



Json services

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-0.6276370000000000 39.4896519999999995, -0.6272080000000000 39.4894370000000023, -0.6260060000000000 39.4870680000000007, -0.6268000000000000 39.4869029999999981))"
        }
    },
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        "fields": {
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            "name": "Pista 2",
            "area": "POLYGON ((-0.6262310000000000 39.4867950000000008, -0.6260280000000000 39.4868609999999975, -0.6259200000000000 39.4867539999999977, -0.6258770000000000 39.4865629999999967,
-0.6259310000000000 39.4862899999999968, -0.6261460000000000 39.4859840000000020, -0.6267250000000000 39.4856440000000006, -0.6272610000000000 39.4852550000000022, -0.6316490000000000 39.4829280000000011,
-0.6322719999999999 39.4824479999999980, -0.6338170000000000 39.4819919999999982, -0.6345570000000000 39.4815619999999967, -0.6346430000000000 39.4817269999999994, -0.6292250000000000 39.4846750000000029,
-0.6266180000000000 39.4861080000000015, -0.6262210000000000 39.4864389999999972, -0.6262310000000000 39.4867950000000008))"
        }
    },
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-0.6288600000000000 39.4852470000000011, -0.6291820000000000 39.4856610000000003, -0.6295470000000000 39.4857769999999988, -0.6305770000000001 39.4854789999999980, -0.6305980000000000 39.4856279999999984,
-0.6297180000000000 39.4869360000000000, -0.6299110000000000 39.4873830000000012, -0.6300829999999999 39.4873669999999990, -0.6304480000000000 39.4874330000000029, -0.6309630000000001 39.4872340000000008,
-0.6314560000000000 39.4868530000000035, -0.6318430000000000 39.4861410000000035, -0.6320570000000000 39.4857769999999988, -0.6324010000000000 39.4855609999999970, -0.6325940000000000 39.4854290000000034))"
        }
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        }
    }
]
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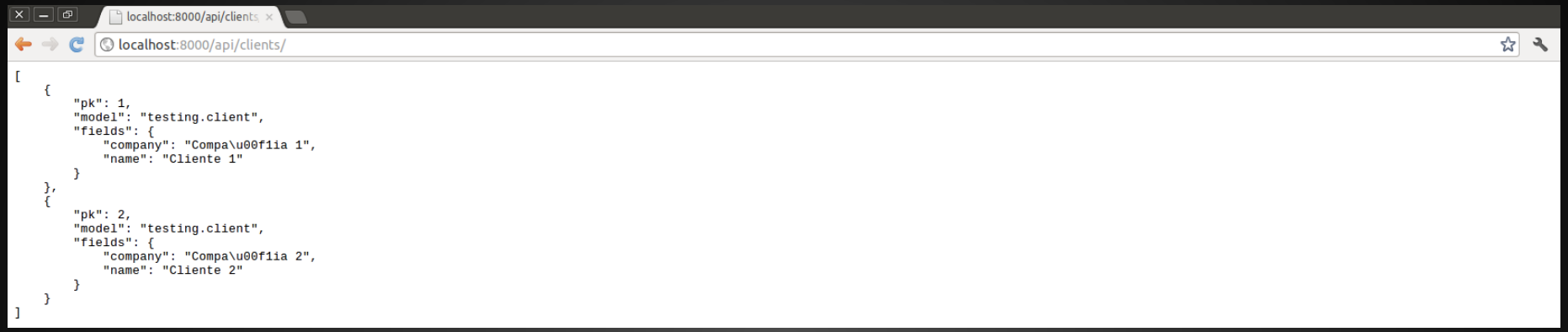
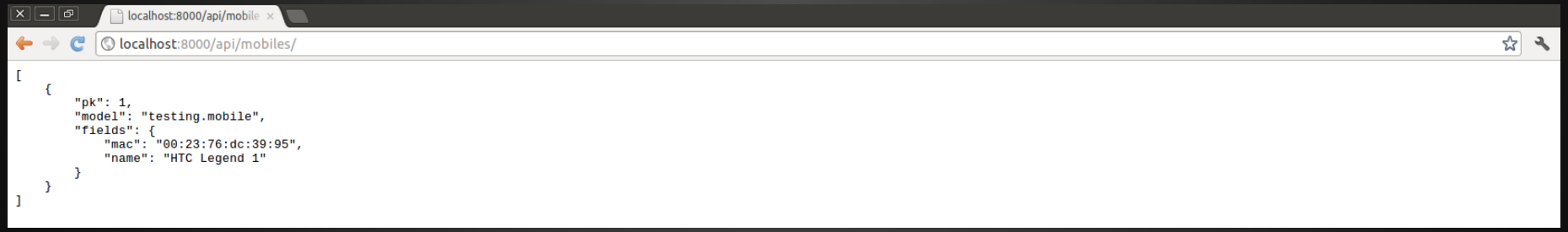
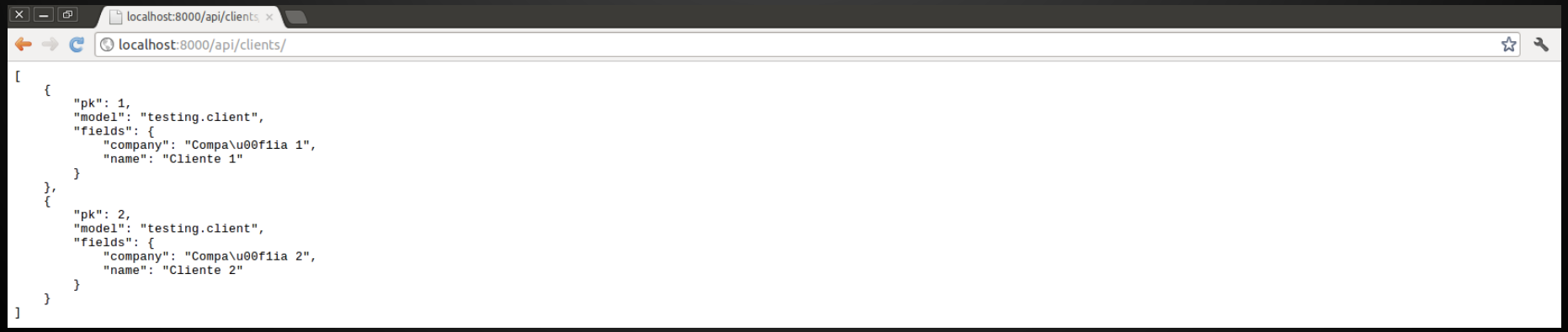
Json services (2)







Siguientes pasos:

- Extensión de la vista cliente de la apliación django.
- Generación de estadísticas web
- Desarrollo de la aplicación cliente Android
    - Generación de datos GPS
    - Consumo de los servicios de la aplicación web por parte de la aplicación Android.
    - Generación de web-services con la información móvil para ser consumidos por la aplicación web.