

Symfony - *Services* Workshop

FlyAround

✈ Create your first *Service*

Objectives

You must create a trip planning basic interface.

- We can create a new Trip by selecting a departure and arrival City. (City data will be provided)
- On the trip list, we can see the Trip Duration.
- We must be able to edit Trip Departure and Destination, thus distance should be updated.



✈ TODO

1. Clone the **Fly Around Project Repository**

2. Follow the setup instructions in the README.
Once your project is set up, you will notice a *Trips* entry in the navbar
3. Create a `Trip` Entity with the following properties:
 - `id` *Primary Key*
 - `fromCity` *City we want to fly from*
 - `toCity` *City we want to fly to*
 - `distance` *Trip distance in miles*
4. Generate the *Trip* CRUD in CLI.
Do not forget to update the Trip Link in the navbar (it should redirect to the trips list).
Note: Distance input must not be displayed in forms but should be automatically calculated on form submission.
5. Create a new Service called *GeoService*.
It must implement a method
`calcDistance(float $latitudeOrigin, float $longitudeOrigin, float $latitudeDestination, float $longitudeDestination)`
This method will calculate and return the distance between two geolocalized points.
If you do not know how to calculate the distance, any search engine will be your friend =)
6. Use your service in the CRUD methods so that the distance is calculated before inserting or updating objects in database.

[More info about services](#)

Bulma by [Jeremy Thomas](#). The source code is licensed [MIT](#).