



EPIC ROAD TRIP

DREAM & RIDE



* apprendre autrement

EPIC ROAD TRIP

Some are too lazy, and some are too busy...
A lot of people can't organize a vacation by themselves...



So, you're going to do it on their behalf, through an amazing trip planner which gathers intel, and suggests events and services!

When users enter keywords, corresponding to a location (or elsewhere), your web app takes care of everything so that they only have to choose, chill, eat, drink, sleep, have fun...

It must include all the following features:

- ✓ input one (or more) locations ;
- ✓ refine results according to dates|budget|area|... ;
- ✓ get suggestions on cultural and sporting events ;
- ✓ get proposals for accommodation|restaurants|bars|transport ;
- ✓ visualize multiple information/events on a map ;
- ✓ get itinerary suggestions between two points ;
- ✓ get a printable version of users trip's details, with maps ;
- ✓ save their search to reuse or share it.



This project is ambitious, but you're gonna have to prove to yourselves that you can complete it entirely in a very short time, thanks to the quality and resources that others have already put at your disposal.



For instance, Tripori reuses the datatourisme base to help people to organize their road trip in France.

API specifications

You will now create your own API. Here are, among others, some specifications to comply with:

- ✓ enjoy (location [, constraints]) -> list of existing events|activities ;
- ✓ sleep (location [, constraints]) -> list of available accommodations ;
- ✓ travel (location [, constraints]) -> list of available transports ;
- ✓ eat (location [, constraints]) -> list of available restaurants ;
- ✓ drink (location [, constraints]) -> list of available bars.

You must think of every piece of information that defines an event|activity|restaurant|bar|transport.

External APIs & microservices

Your need to find some websites which can provide you with tons of intel. Then, learn how to retrieve and display this information on your website, in a way that suits users best.

Test driven development

You want to become the cream of the crop, and be part of the elite. So, you must operate testing before implementing! Tests will guarantee your application correctly fulfills the expected functionalities.



Tools like *Jasmine* may help you during this process.

Documentation

You should give as much as you receive.
So you will share your API with others, and you must document it to help them too.



Tools like *Swagger* may help you during this process.

Automation

The purpose of your site is to ultimately combine a number of microservices. Therefore you can add new features to your API as you go.

To make it easy to detect potential future errors during these additions, we suggest that you learn how to automate several tasks such as launching tests, generating documentation (to be completed in writing if necessary) and deploying your production site.



Tools like `Gulps` may help you during this process.

UI / UX

UI and/or UX can make a big difference. Make sure that information is easy to access and to understand.

Your application must be able to be used on a smartphone, so it must be reactive and responsive.

Bonus

You can improve this project in many ways, including:

- ✓ consuming more microservices ;
- ✓ adding other functionalities ;
- ✓ include a payment microservice ;
- ✓ suggest videos of others user experiences ;
- ✓ plan an intergalactic trip from Tatooine to Dagobah ;
- ✓ reverse the process (choose an event => find locations) ;
- ✓ increasing security of your website.



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