

# Yahaal Fullstack Developer Coding Challenge

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Hi, First of all, congratulations on clearing the first interview with us. We would like you to do a small task to assess your coding style and skills. Please take your time to do it, but it shouldn't take more than 4-5 hours max. Please try to submit the task within 3 days max. If you need more time for any other reasons please don't hesitate to contact us. Challenge Description

Create a web application with the following functions in core Laravel-vuejs . The application should read the data given in the attached file and display the information in a google map screen

## Requirements

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- The application should be able to read information from the mock.txt
- Display it in the google maps
- A section/screen showing the amount of male and female in the database.
- A screen with a google maps widget showing all people based on lat and lon , including an infobox per person (male should have a blue marker, a female should have a pink marker)
- A filter to display only female/male on the google maps
- A filter to display a list of all people with a First or Lastname starting with a specific letter (letter should be input field)
- A filter to show only people living in a radius of max 2000KM of a specific location (list with locations London, Paris and Kansas City)
- Add a loading screen initially if you can, to add a nice touch.

## Use of libraries

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### Allowed

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You are allowed to use the Google Maps API for the front-end implementation and Of course Laravel&Vue, Other 3rd party libraries are not allowed.

### Not allowed

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You are not allowed to store the data in a relational or non-relational database. Please read it from the file itself every time.

## Guidelines

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- Try to adhere to OOP, SOLID and other clean code principles to keep source code clean and readable.
- No other features are required such as login. But feel free to add your nice touch of UI/UX as you feel right.
- Try to keep it simple.
- Try to make the UI clean and beautiful as possible.
- Try to keep the backend and frontend logic separate.
- Make sure your code is correct, clean & understandable.

## Submission Guidelines

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Commit the code in GitHub or any other git-based site and send us the link with the zipped source code and screenshots.