ENORA INNOVATION

Engineering Department

Training Projects

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Disclaimer

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ENORA INNOVATION CTO			

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1 Introduction

This document is a list of projects for junior developers and a rough guide into full stack development process.

Project	Description
1 Geo JSON visualization	Web application that takes the response of an HTTP request and displays the geo json on a map.
2 Charts, graphs and data visualization	TBD
3 Web App, open / save file at Google Drive	TBD
4 CRUD – RDBMS	TBD
5 CRUD - NoSQL	TBD
6 AAA	TBD
7 API	TBD
8 Dockerizing	TBD
9 Angular APP	TBD
10 Application Logging	TBD
11 Deploying Web App	TBD
12 Node JS	TBD

2 Geo JSON visualization

2.1 Description

We need a component to visualize geoJSON data on a map.

2.2 Requirements

The application needs to be built on top of the following technologies:

- Javascript
- HTML
- Bootstrap CSS
- JQuery
- Leaflet JS (https://leafletjs.com/)
- Parcel (if needed for building the app)
- Visual Studio Code (just as an editor)
- Git Lab, space will be provided
- npm (if needed)

The data of the geoJSON are to be taken from a free web service (https://jsonbin.io/)

To generate a geoJSON the following web site https://geojson.io/ allows you to create a JSON string that contains geo information.

The geoJSON must contain:

- 4 random lines, each in different color
- A square with opacity 0.3, Red outline, blue fill
- Markers
  - One marker with icon
  - 10 dots, a circle in effect of radius 100m each different color
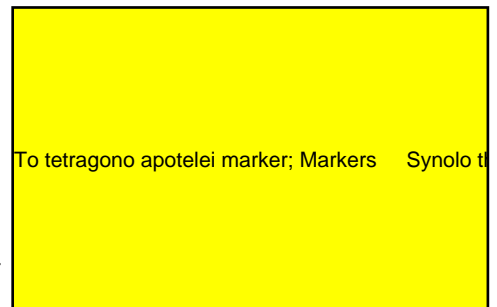
In total 2 geoJSON files are used. Using the layer tool the user can select which geoJSON they see.

When the user clicks on the Markers the Name of the marker (a geoJSON property) a pop up appears.

2.3 Outcomes

The developer will have a good understanding of how mapping javascript / html tools work.

Estimated development time for a senior developer with experience in web development and some acquaintance with map tools : 1-3 8Hour days.

Estimated development time for a developer with some knowledge in web development and no acquaintance with map tools : 8 - 12 8Hour days.

2.4 Success criteria

The user of this app can view the 2 geoJSONs on a map.

No error exceptions should be raised.

Expected to finish within estimated time frame; excluding GitLab integration.

3 Revision History

Version	Issue Date	Changes	Contributor(s)
R00	20/11/2020	Original Version	