
Blood Banks in Need

Motivation

In the current situation, the blood banks are not capable to reach and inform required amount of the donors about the current needs. Interactive informative application will expand the knowledge on current blood levels.

General purpose

The application shows a dashboard view of an overall blood levels in region. Blood banks are able to inform the donors that they are missing given types of blood. Lead assumption is that more information will lead to a more precise donations, especially in times when people should not travel when it is not necessary.

Functional description

Main dashboard shows a list of the most required blood types in given region. The map gives the overview on the blood banks in the given location including the current blood levels. Detailed situation is described per location with provided contact information.

Technical description

The application has been written using modern web technologies and is accessible both from the stationary devices as well as the mobile. The main frame of the application has been written in JavaScript with usage of frameworks:

- Angular 9 for core architecture,
- Angular Material Design for improved look and feel,
- Leaflet for Open Street Map control.

The information are delivered from the Google Firebase database.

The application is hosted in cloud, using the GitHub Pages hosting service.