



# Social Bridge

An app that helps those in need

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# 01

App description

## What is Social Bridge?

It is an app that was made to help those in need. It focuses on usability and efficiency. The users can choose from a map populated with pins, each pin being assigned to an event that helps those in need or the community



## The main elements

### Map

The app contains a map of the world, populated with pins. When starting the app the users will be positioned at their current location and be able to see all the pins in their vicinity.

### Pins

Each pin represents an event that has recently taken place or will take place. It specifies the name, date, time, location of the event and also a link that redirects the user to the organisation's page.

### Users

Every user must have an account for accessing the app. Once opened, they will be presented with a map with events nearby, which they can view, access and save.

### Admins

The role of the admins in this application is populating the map with pins. Each member organisation should have an authorized admin that inserts pins for their upcoming events.





# 02

Why use this app?



## IN DEPTH

**This app's main purpose is making an impact in the communities that need help**

It covers anything from donations to helping with declining tourism in rural areas and can make those willing to help become volunteers much easier



## Helps those in need

The app can supports many different types of events (i.e. blood donations, clothes, money or food donations, etc.), thus making it very versatile and able to cover many areas of expertise

## What problems does it solve?



## Rural areas can promote themselves

Other than donations, it has pins for rural areas that need help or that have lacking tourism



## Easy to use

After making an account and logging in, the users will be shown the map with the events that they can attend to, in the form of a pop-up with all the neccesary details, making it easier than ever to volunteer to make a difference



# 03

Technologies used



## Technologies used



### MongoDB

MongoDB is a NoSQL document-oriented database. Records are stored as documents in compressed BSON files, and can be retrieved in JSON format



### Java

The backend was made in java using the Spring Framework



### MapBox API

The most important component of the application, it allows us to customize and add events on the map with relative ease



### React

The most used frontend JavaScript framework, that was also common ground for most of us

# Why these technologies?

## MongoDB

- Already deployed
- A NoSQL database was the suitable choice as we didn't need many tables and relations
- Easy to use

## React

- Known by most of us, easy to learn for the others
- Flexible
- Good for SPAs, only updates the necessary components

## Java

- Common ground for all of us

## MapBox API

- Makes it easy to create beautiful custom maps
- Integrating them is quick and easy with ReactMapGL



# 04

## Workflow



Chose the  
project theme

Chose the  
project  
technologies

Github project,  
repositories and  
tasks setup

Complete  
tasks until  
finishing the  
app is finished

Testing the  
final product



# Workflow

## FIRST FEW WEEKS

- Created a discord server
- Created a schedule for the weekly meetings
- Decided what technologies will be used (initially we used PostGreSQL, but later changed to Mongo so that we all worked on the same data)
- Github setup – created an organisation that contains the repositories for the backend and frontend, and also the tasks
- Added new tasks every weekly meeting
- Estimated the amount of work: 2 weeks for the backend, 3 weeks for the frontend and 1 for testing

## THE FOLLOWING WEEKS

- Weekly meetings and discussing the implementation priority
- Task solving
- Compensate for the lack of teammates

# 05

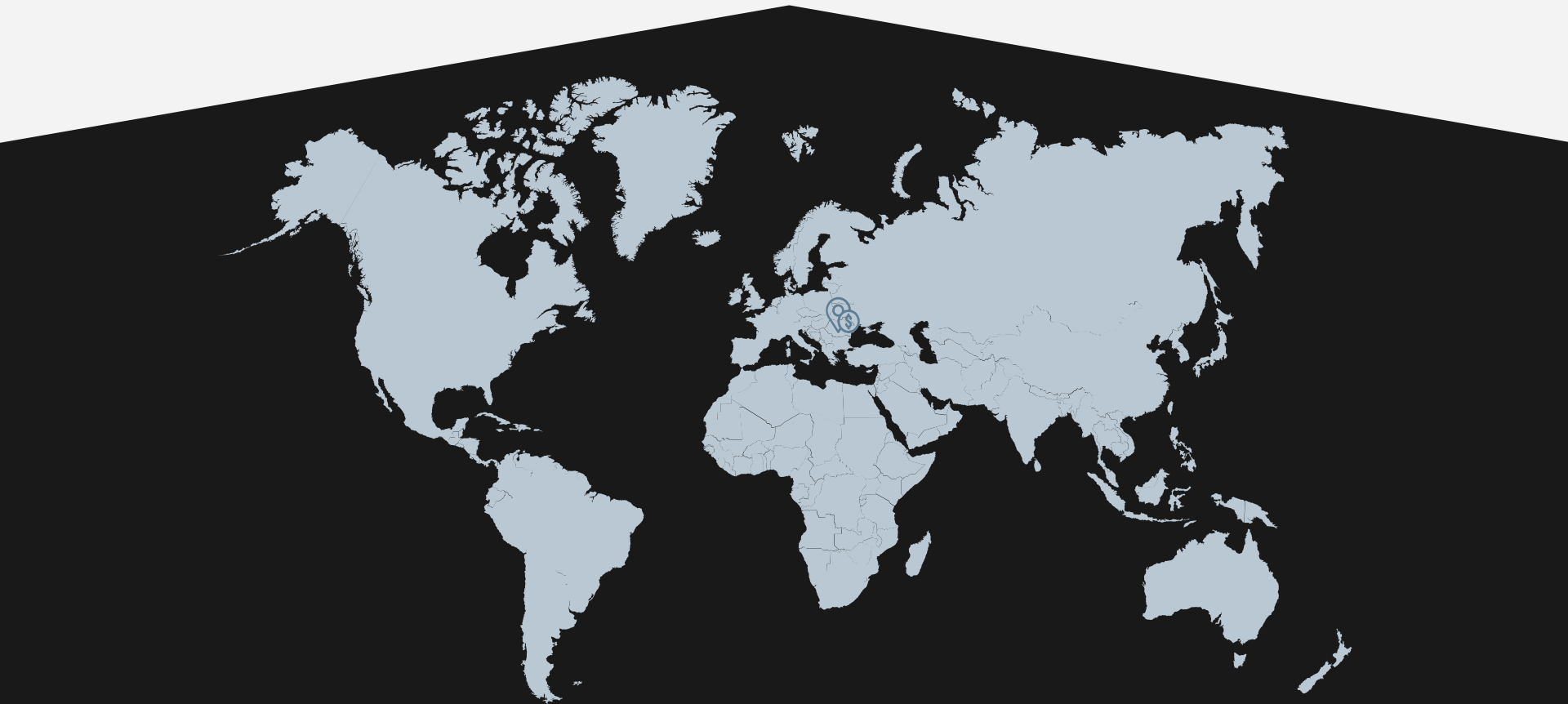
## Conclusion



## REVIEW OF PAST EVENTS



**Now a quick demo**





**Thank you for  
your time!**

Does anyone have any questions?

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