



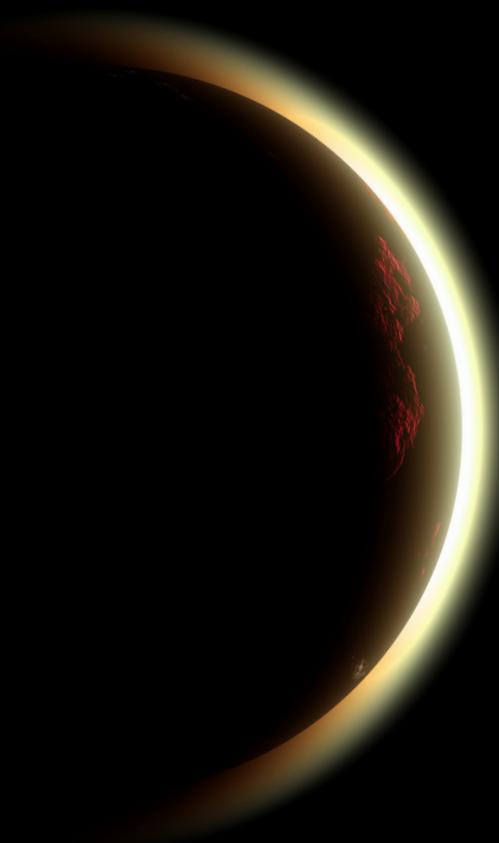
OUR HOME PLANET AT YOUR FINGERTIPS

by Orbital Penguins



TODAY'S AGENDA

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CHALLANGES

“Develop a user-friendly application or tool to discover, visualize, and analyze NASA Earth data for monitoring our home planet.”

How can we use the massive amount of science data to visualize and adapt it to the user's needs and interests? There is so much information, but unprocessed there is no chance that an untrained individual can make use of it. So we process the information, provide different data sets and make it accessible for everyone with an intuitive Web app that can be used as an app or website. The software assists users in finding Earth science data that is important to their needs and also to visualize, query, store and download the datasets of your choice from whatever data is available using NASA APIs and to make it more interactive for users of all age range. This can also be great for teachers to show their students information more descriptive, or save the settings for later use.

PURPOSE OF THE PROJECT



Make data more accessible for everyday users

Everyone knows about DATA these days, we literally hear about the importance of it everywhere. DATA is mentioned to be the new oil. But what's really behind the word of Data and what impact does DATA have on our everyday life? With our application we want to make DATA around our Home Planet Earth easy to understand and real accessible for the everyday internet user.

Visualize the different data sets

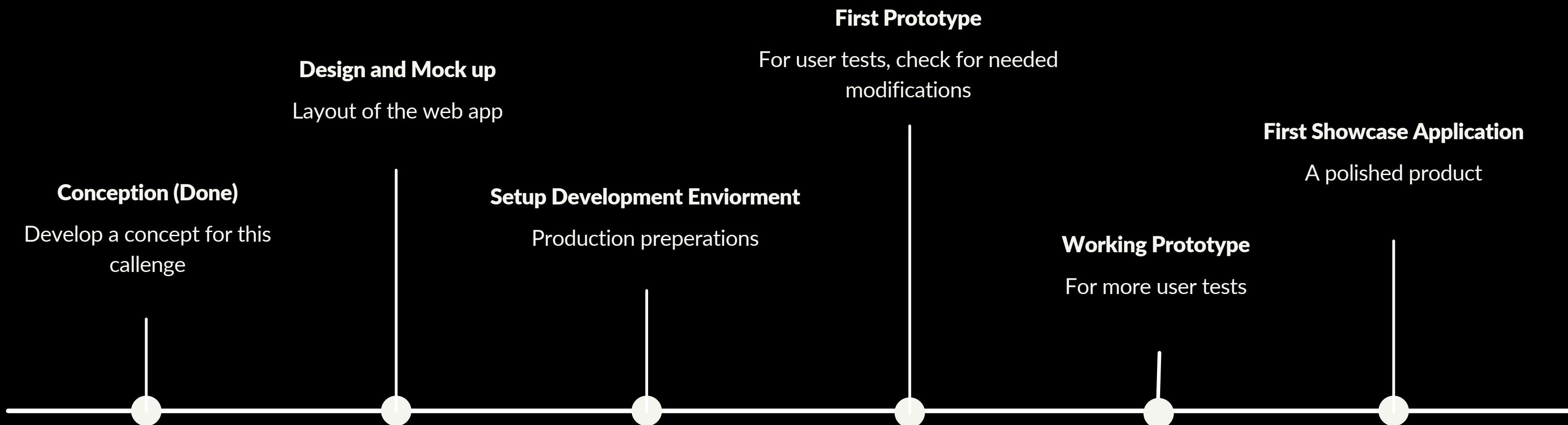
Values over a time period most of us still have bad memories from back in school times. With the "Our Home Planet at your fingertips" platform we aim to visualize exactly those data values and data sets in a way even first grade students will be able to see the importance for their every day life and how it will impact their future decisions. With state of the visualisation tools and frameworks even the driest data set will be easy to understand.

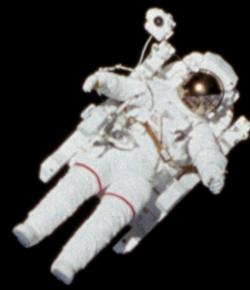
Educate the broader public about our data <3

The whole world should see their impact on our beloved mother earth. The audience for the application shall reach from elementary school students to grandma and grandpa in their retirement homes.

ROADMAP

A brief overview of our Milestones





DIVISION OF WORK

Benjamin

Data Pipelining and Data
Interfacing

Daniela

Data Preparation,
Calculation and Filtering

Elias

Head of Development

Fabian

Backend Operations and
Backend Development

Lena

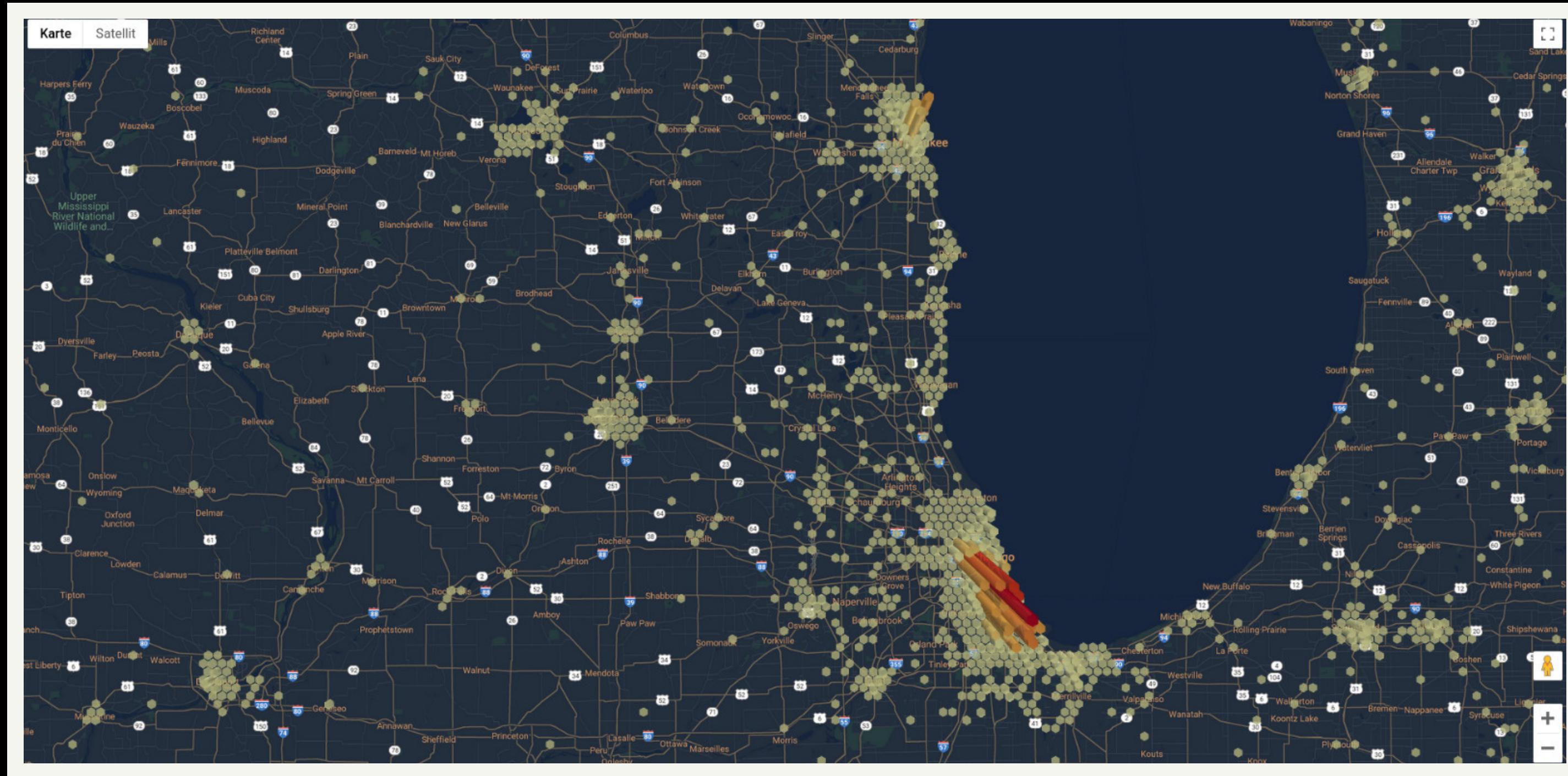
Frontend Development

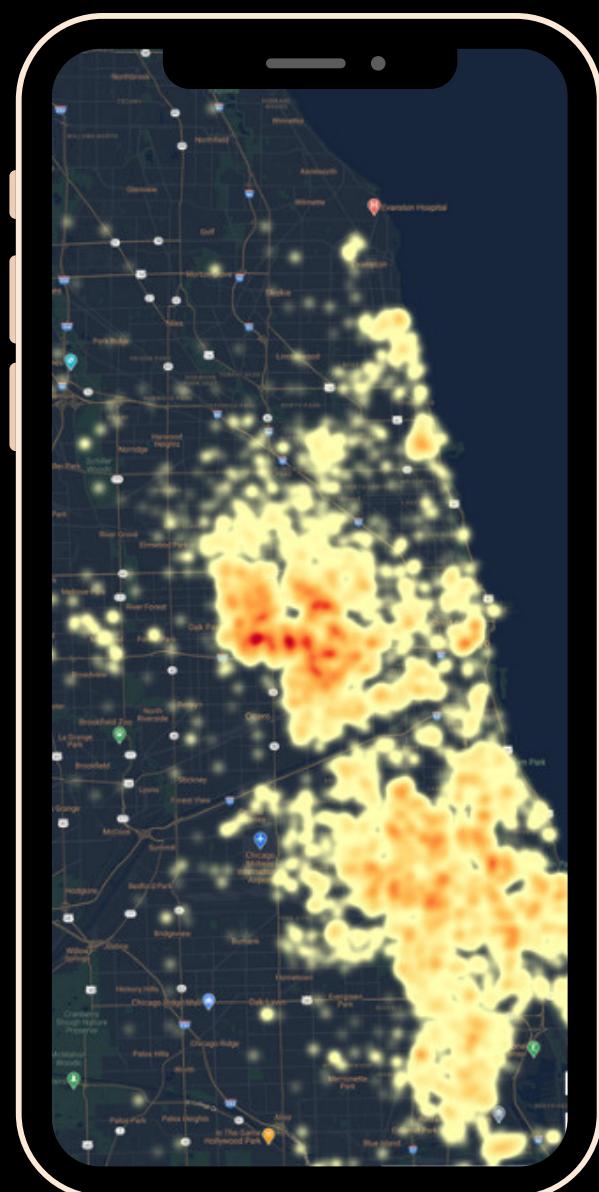
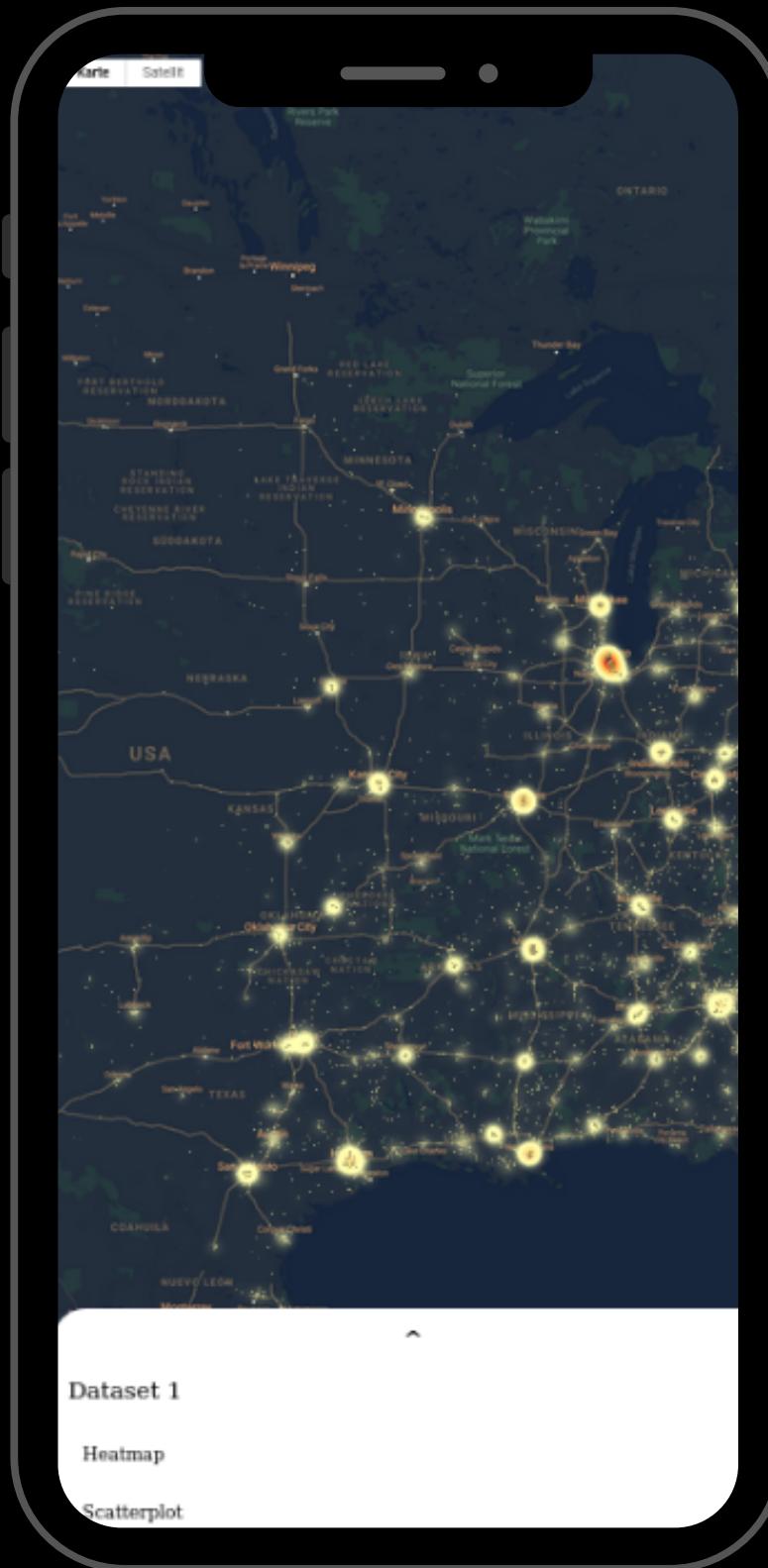
Tamara

Design Conception and
Project Management

FIRST IMPRESSION

Little sneak peek at first map testing





— THANK YOU

*Benjamin Halilovic, Daniela Wollmarker, Elias
Bader, Fabian Bliem, Lena Ebner, Tamara Moss*