Peedom

Standorte City Toiletten

Szenario verbesserte Versorgung

- ■ City-Toilette
- □ City-Toilette mit weniger als 10 Nutzungen/Tag
- ▲ Andere bestehende Toiletten
- ● Neue Standorte

urgent need to use the toilet

Peedom

Users

ART BY ALEX ROSS www.capedwonder.com

What to do when I am out and need to pee?

Cindy is a student and activist, she believes in gender equality and fights for equal opportunities for all.
She is very happy to have moved to Berlin and considers it the best time of her life. She loves nature and spends every free moment in the countryside, in the park or drinking beer by the canal with her friends.
thinks it is unfair that men can pee almost everywhere without waiting and in public toilets they do it for free, while she, in the same toilet, has to pay to use it and also has to queue in a long line

CINDY

23 years old, painting student, single, Berlin

PROBLEMS

-she is afraid that she will not find a toilet in the area
-does not want to pay for the toilet
-doesn't want to wait in line

GOALS AND NEEDS

-to be able to use the toilet for free and without waiting in line like men do
-to enjoy time with friends,
-to introduce equality for all

Dora is a real estate saleswoman and has suffered from diabetes since childhood, which has had a major impact on her daily life. Dora has to think about frequent visits in the toilet. Thinking about it and planning every step so that she can be near it takes all the fun out of life. Dora spends all day moving around the city, the thought of not being able to get to the toilet in time is very distressing. She has even considered changing jobs for this reason alone, but she doesn't want to because she enjoys it so much and is really good at it.

PROBLEMS

-scares she won't make it to the toilet
-fears she will have to give up the job she loves because of her limitations

DORA

36 years old, real estate salesperson, in relation, Berlin

GOALS AND NEEDS

-find a toilet near her without difficulty
-to feel safe
-to be free from anxiety and fear
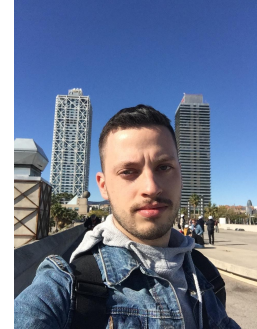-to stop stressing

Peedom Team

Rashmi Dsouza

DS Team

Agnan John

DS Team

Mohamed Ashour

WD Team

Noah Baumann

WD Team

Tomasz Janik

UX Team

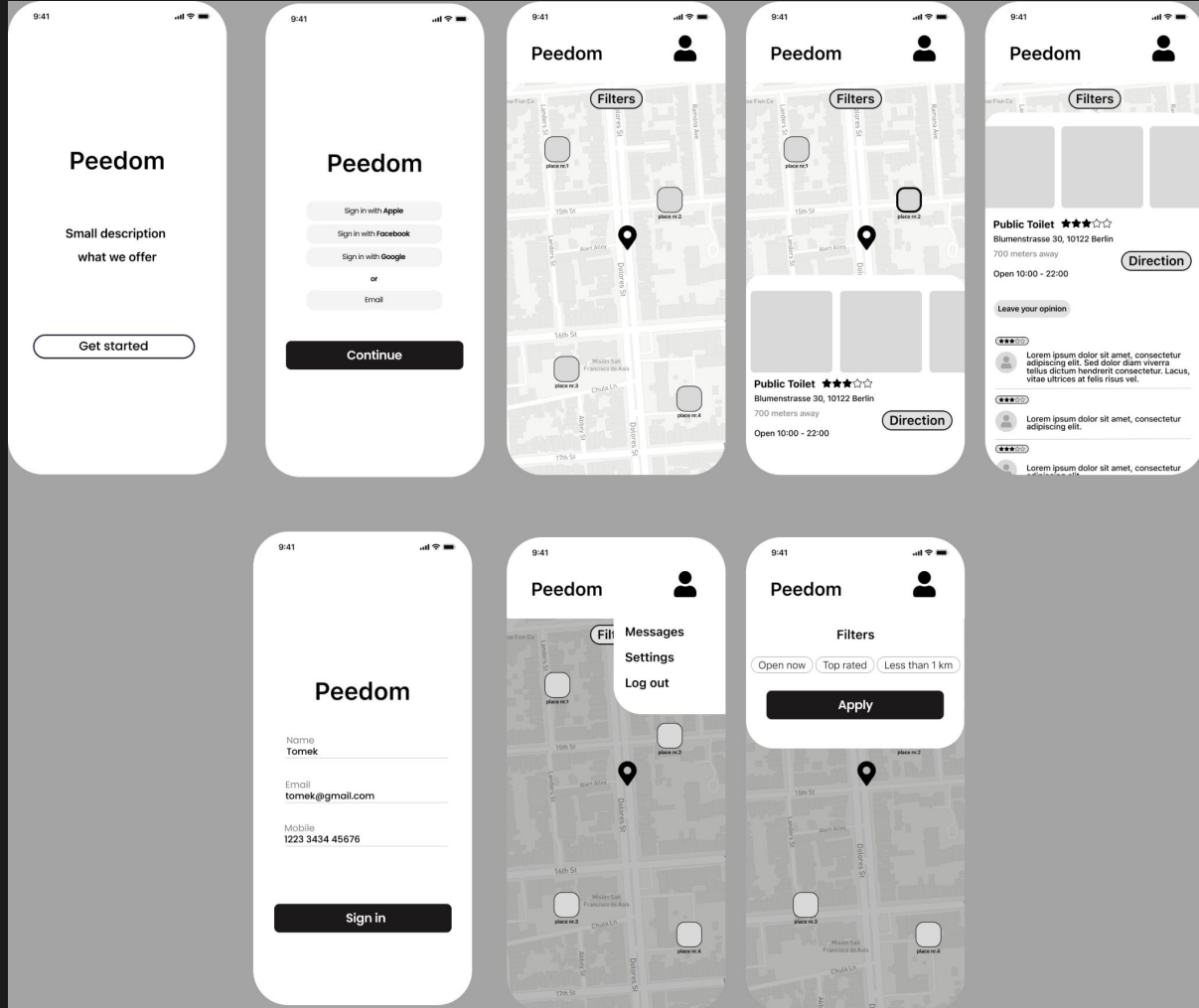# UX Team:

Tools:

What was the biggest problem to me?
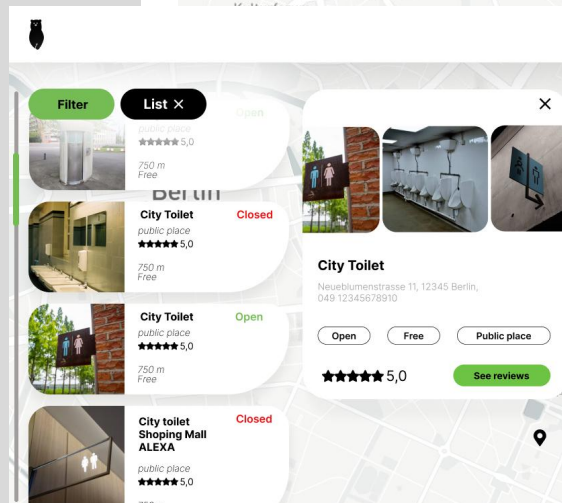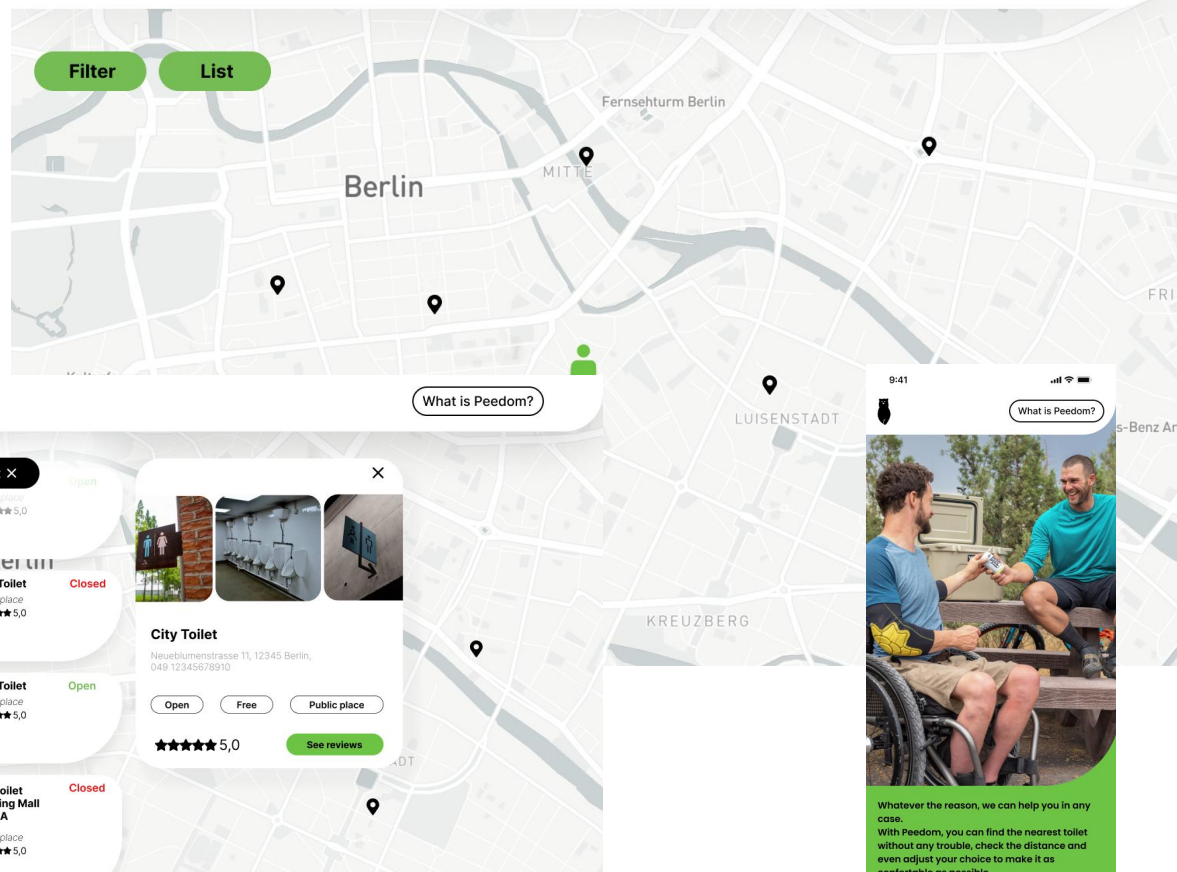
Meeting deadlines and carrying out surveys :)

What is my greatest success?

The fact that I made it to the end despite being the only ux in the team

Peedom

Small description
what we offer

Get started

Peedom

Sign in with **Apple**
Sign in with **Facebook**
Sign in with **Google**

or

Email

Continue

Peedom

Filters

place nr.1
place nr.2
place nr.3
place nr.4

Peedom

Filters

place nr.1
place nr.2

Public Toilet ★★★☆☆
Blumenstrasse 30, 10122 Berlin
700 meters away

Open 10:00 - 22:00

Direction

Peedom

Filters

Public Toilet ★★★☆☆
Blumenstrasse 30, 10122 Berlin
700 meters away

Open 10:00 - 22:00

Direction

Leave your opinion

★★★☆☆ Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed diam viverra tellus dictum hendrerit consectetur. Lacus, vitae ultrices at felis risus vel.

★★★☆☆ Lorem ipsum dolor sit amet, consectetur adipiscing elit.

★★★☆☆ Lorem ipsum dolor sit amet, consectetur

Peedom

Name
Tomek

Email
tomek@gmail.com

Mobile
1223 3434 45676

Sign in

Peedom

Filt...

Messages
Settings
Log out

place nr.1
place nr.2
place nr.3
place nr.4

Peedom

Filters

Open now   Top rated   Less than 1 km

Apply

place nr.1
place nr.2
place nr.3
place nr.4

What is Peedom?

Filter   List

Fernsehturm Berlin

Berlin

MITTE

LUISENSTADT

KREUZBERG

What is Peedom?

9:41

What is Peedom?

Filter   List ✕

Open

public place
★★★★★ 5,0

750 m
Free

City Toilet   Closed

public place
★★★★★ 5,0

750 m
Free

City Toilet   Open

public place
★★★★★ 5,0

750 m
Free

City toilet
Shoping Mall
ALEXA   Closed

public place
★★★★★ 5,0

City Toilet

Neueblumenstrasse 11, 12345 Berlin,
049 12345678910

Open   Free   Public place

★★★★★ 5,0   See reviews

Whatever the reason, we can help you in any
case.
With Peedom, you can find the nearest toilet
without any trouble, check the distance and
even adjust your choice to make it as
confortable as possible.

DS Team:

Tools:
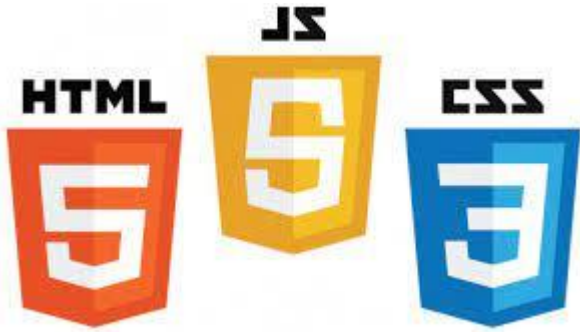

What was the biggest problem to us?

Understanding what model would work best with our application

What is my greatest success?

-Starting with a good amount of real data
-Having recommendation on the nearest toilets

WD Team:

Tools:

What was the biggest problem to me?

Implementing the map features and logic

What is my greatest success?

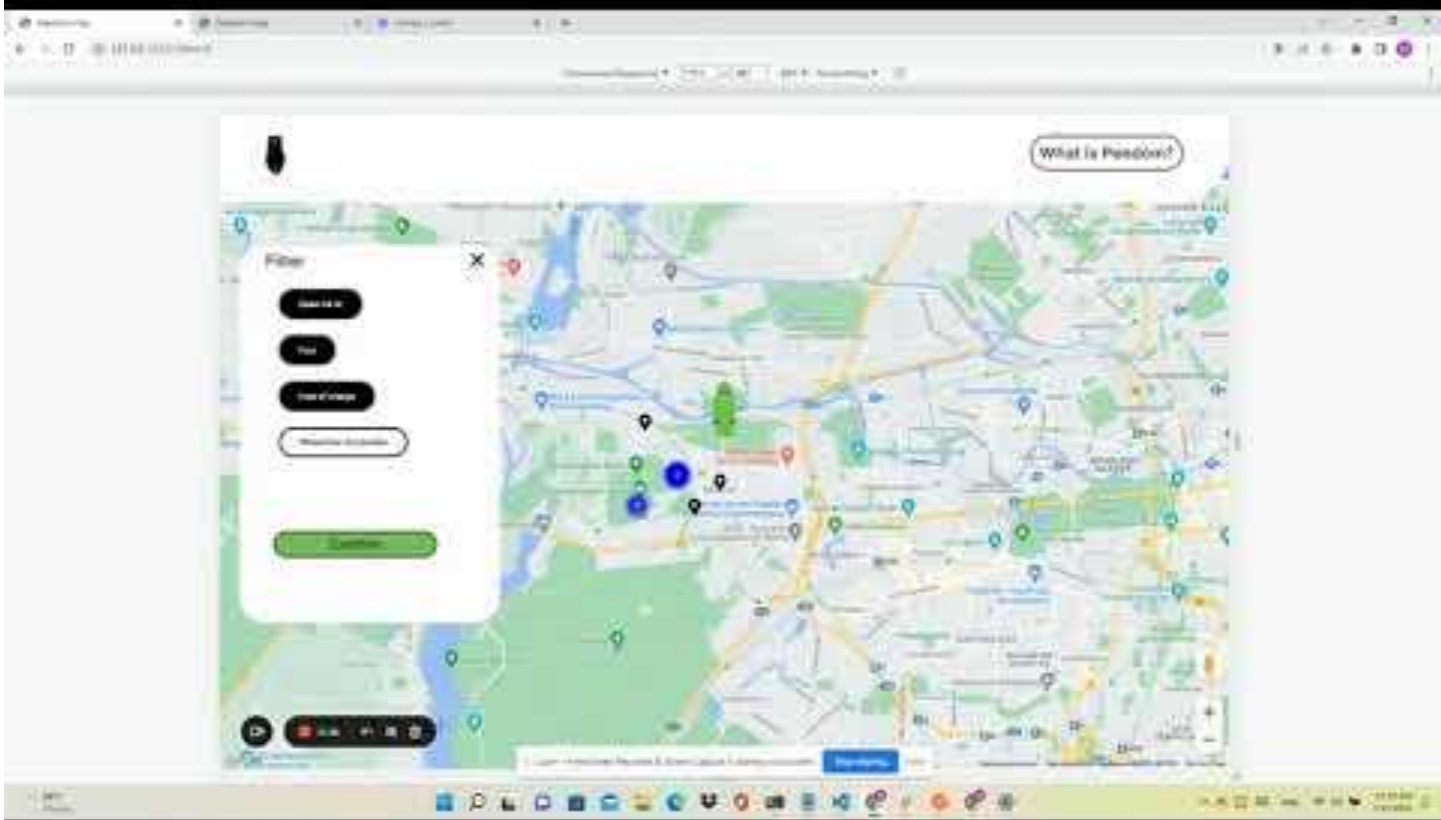Delivering all the required features while being the only frontend.

WD Team:

Tools: express

node.js

mongoDB

What was the biggest problem to me?

Connecting the Frontend and Backend to the Data Science algorithm

What is my greatest success?

trying out different methods to call a python script from node and getting it to work

What have we learnt?

- importance of communication

- working under time pressure

- Better work management

- listening to the opinions of others

What is worth improving in the future?

- Adding more data

- Use react as a framework

- Adding Log in/ Sign up feature

Thank You!

Peedom

Mid-Term Presentation

Want to pee badly but there's no toilet around.

Sound familiar?

Where?

Is it open?

Price?

Perhaps at a **restaurant**?

Data Science Progress

- Python - Pandas

- Python - Visualizations

Key Features:
1. Extracting the data from source
2. Understanding the data
3. Cleaning the data

Next Steps:
1. Algorithm for recommendation

Features of Data

Payment methods

NFC, Cash or Apps

Accessibility

Barrier-free

Additional features

Urinals, Changing table

Problems and struggles:
1. Finding other sources for data
2. Building an Algorithm that interacts with APIs
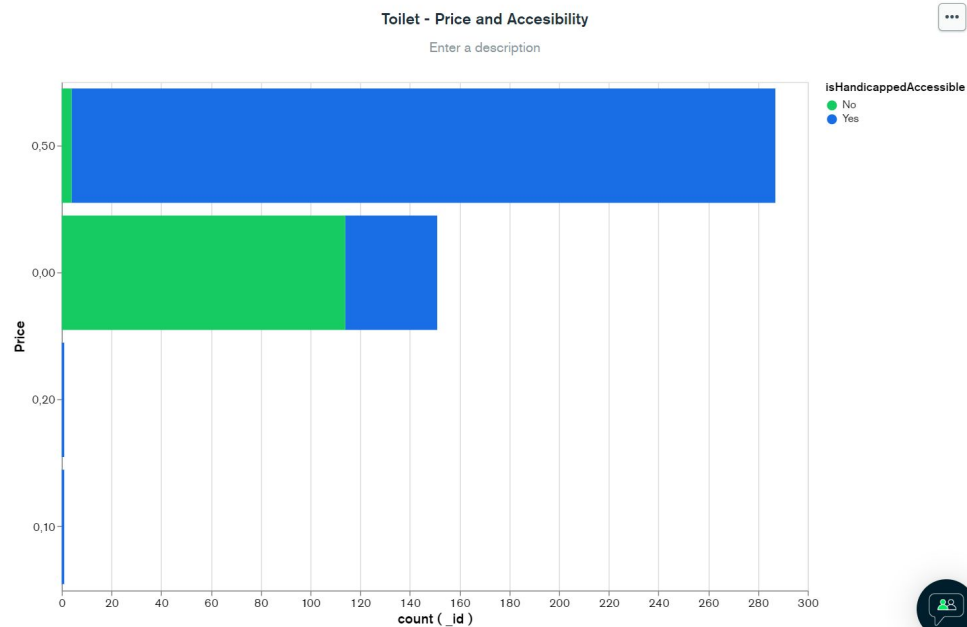
Web Development Progress

- MongoDB Atlas

- Google Maps API

Key Features:
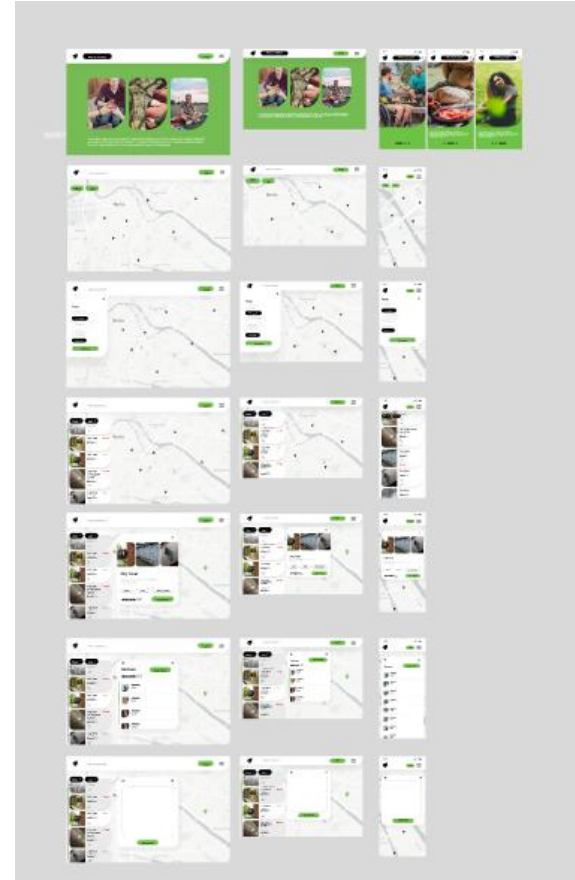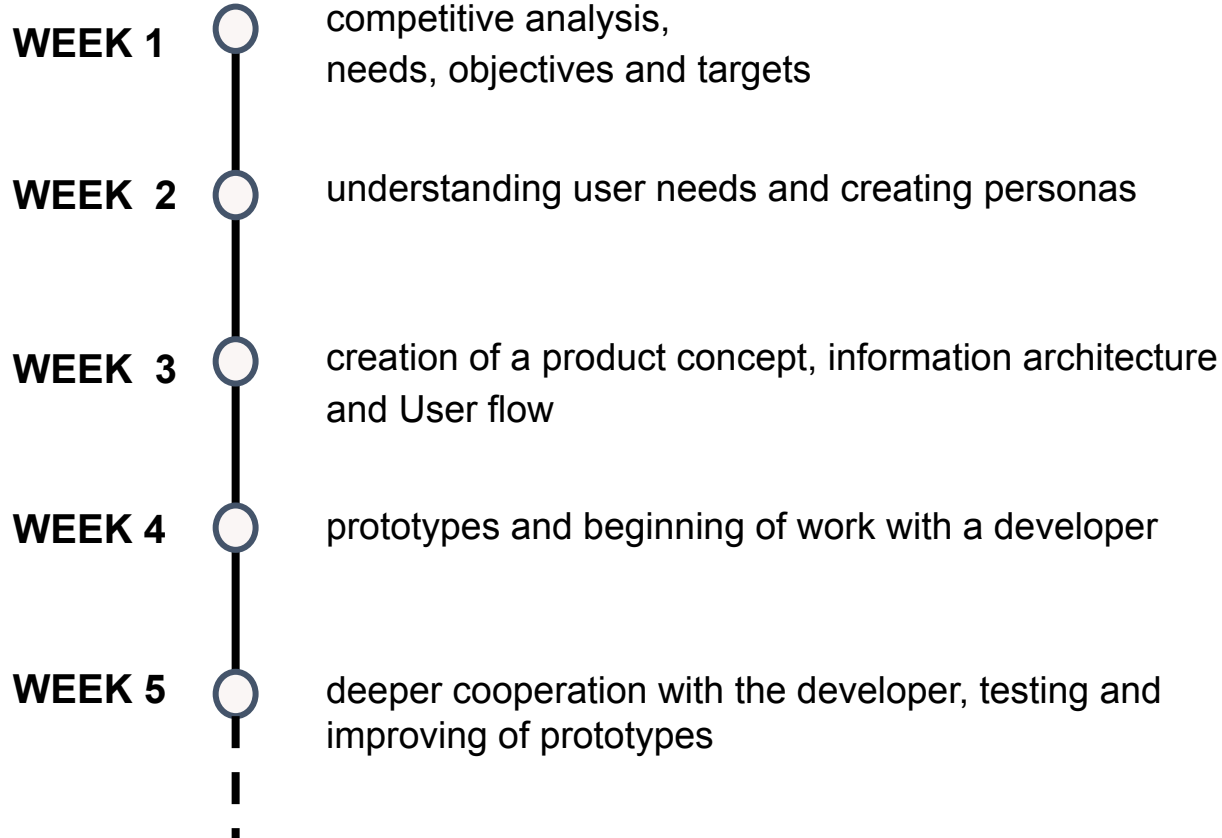1. Map function
2. Filters
3. Comment Ability

Additional:
1. Sign-Up/Login
2. Automatic DB updating with new/changed locations

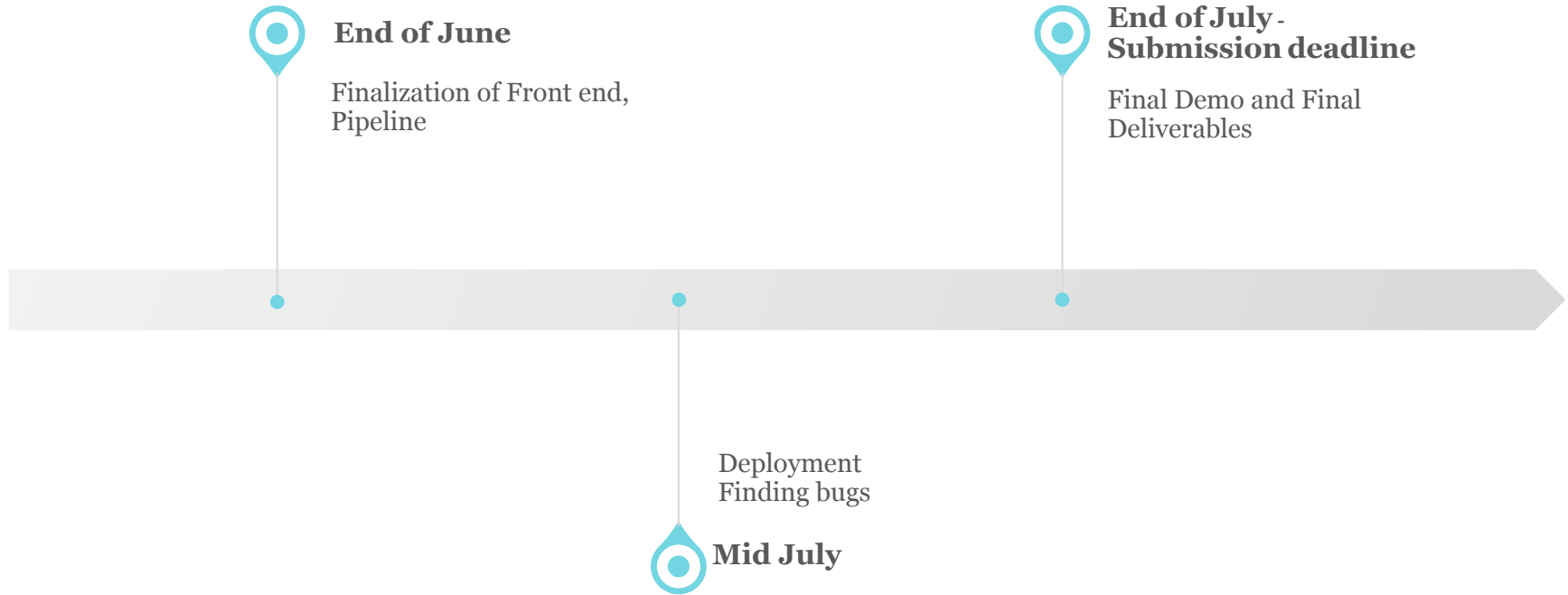

Toilet - Price and Accesibility

Enter a description

Next Steps:
1. Implementing our 2 key API Endpoints
   a. User Location to route between user and toilets
   b. Using Toilet ID for Location and Filter functionality
      i. Comment IDs stored relating to a Toilet ID

UX Progress

WEEK 1	competitive analysis, needs, objectives and targets
WEEK 2	understanding user needs and creating personas
WEEK 3	creation of a product concept, information architecture and User flow
WEEK 4	prototypes and beginning of work with a developer
WEEK 5	deeper cooperation with the developer, testing and improving of prototypes

Timeline

End of June

Finalization of Front end, Pipeline

End of July - **Submission deadline**

Final Demo and Final Deliverables

Deployment Finding bugs

Mid July

Peedom

Project Pitch Presentation

Want to pee badly but there's no toilet around.

Sound familiar?

Where?

Is it open?

Price?

Perhaps at a **restaurant**?

I want to **confidently find** the **nearest** toilet that is **clean**, **safe**, **legal**, maybe with a **small fee**.

In a few clicks.

Nearest in **distance** and **preference**.

📍 **Stralauer Platz 29** 10243, Berlin
🕰️ **Open Now** Closes **12 AM**
♿ Accessible | Changing Tables | €
⭐⭐⭐⭐ (35 reviews) **Cleanliness, Safety**
Incorrect info? Report

Web App

UI/UX + Frontend + Backend
- Search, interactive map, list of toilets
- Ratings (cleanliness, comfort, safety)
- Reporting Incorrect information
- Add new toilets

Data Science (me)
- Scraping, cleaning
- Data pipelines
- Report pipelines

Artificial Intelligence
Recommendations (past behavior, safety, accessibility)

Thank You!

Some reference points - as shared by DS track lead

Try to share what you've learned so far, what your struggles have been, and what are you guys planning to do to overcome those.

Maybe, if you already have a draft of what your tech stack will be looking like, will be cool to share too (React, JS, Figma, Python, MongoDB, etc)

Try to also add a tentative timeline for your project. You don't need to commit to it, but will be a good visual way for us to understand where you guys are in your journey.

Features

Payment methods

NFC, Cash or Apps

Accessibility

Barrier-free

Additional features

Urinals, Changing table