



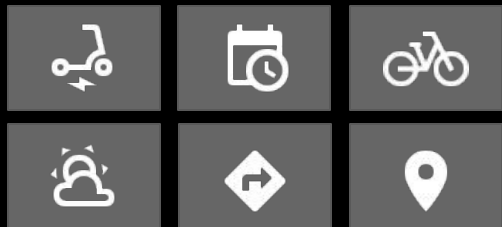
YOU

A VIEW FOR YOU

THE TEAM

Francesco Mazzini	UI / Frontend
Andrea Esposito	Hardware
Marco Sciacovelli	Hardware
Elias Binder	Backend

A ROUGH IDEA



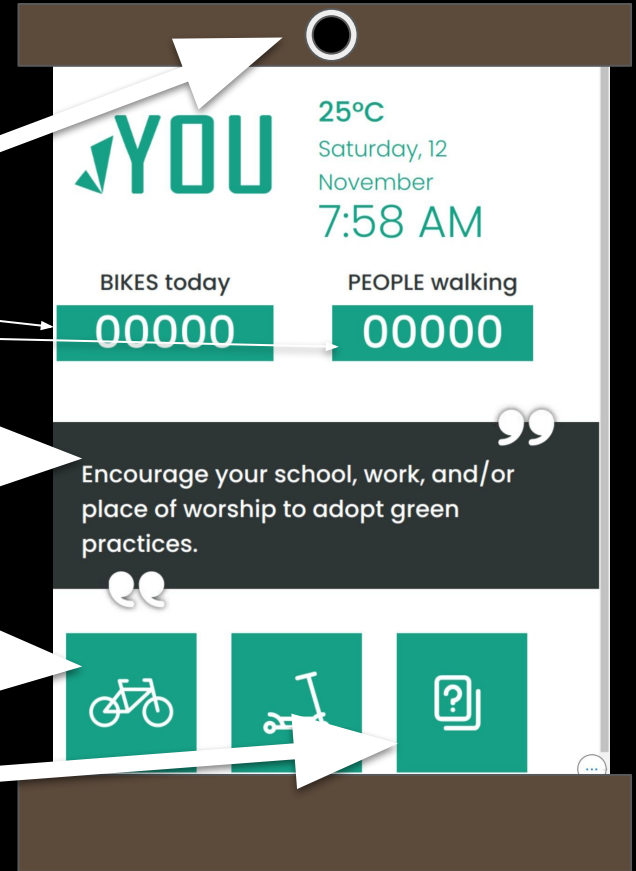
OUR PROTOTYPE

Camera checking for people and bikes passing by

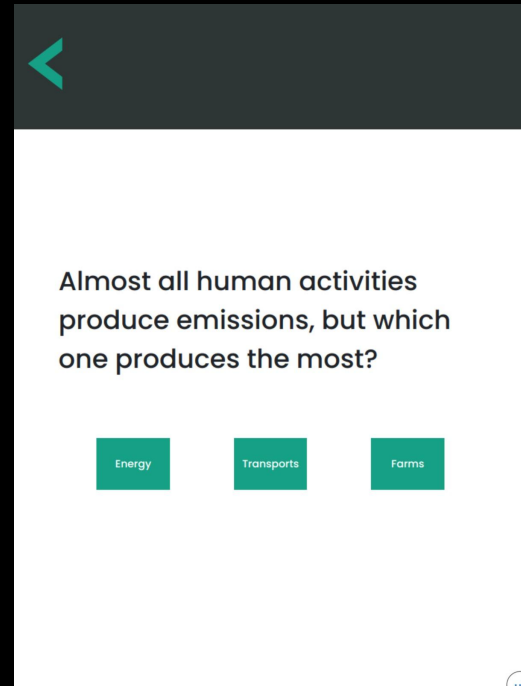
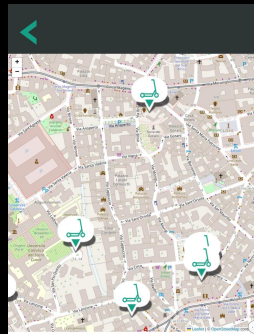
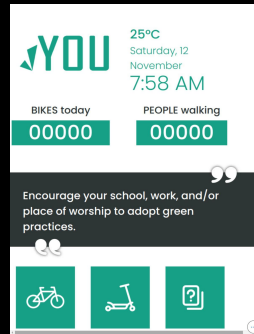
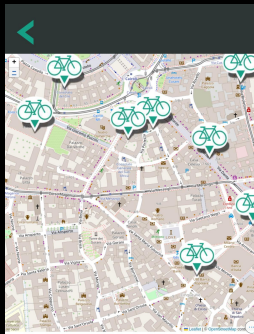
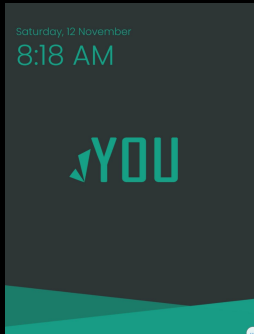
Eco-tips randomly picked, changing every minute

Bike and scooter sharing maps

Eco-Quiz with prizes!



SOFTWARE



SOFTWARE

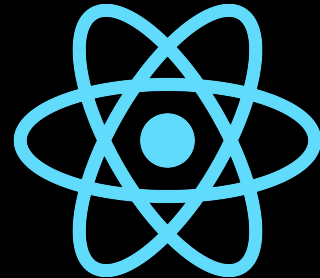
Frontend Website: ReactJs

Backend for External Data: NodeJs + Express

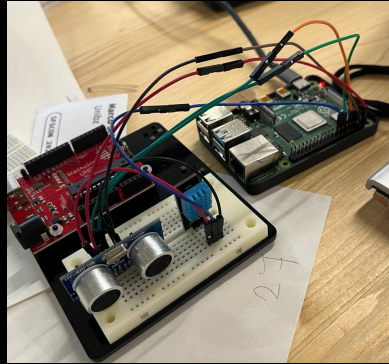
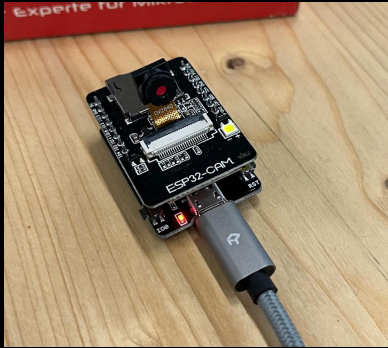
Backend for Hardware: Django (Python)

AI Driven People Recognition: ESP-IDF SDK
(C++) +Tensor Flow (C++)

API: Helbiz (scooter), Bikemi (bikes), web
scraping for Eco-Tips, OpenStreetMap



HARDWARE



Cam ESP32

Raspberry Pi4

Proximity sensor

Temperature

THANK YOU