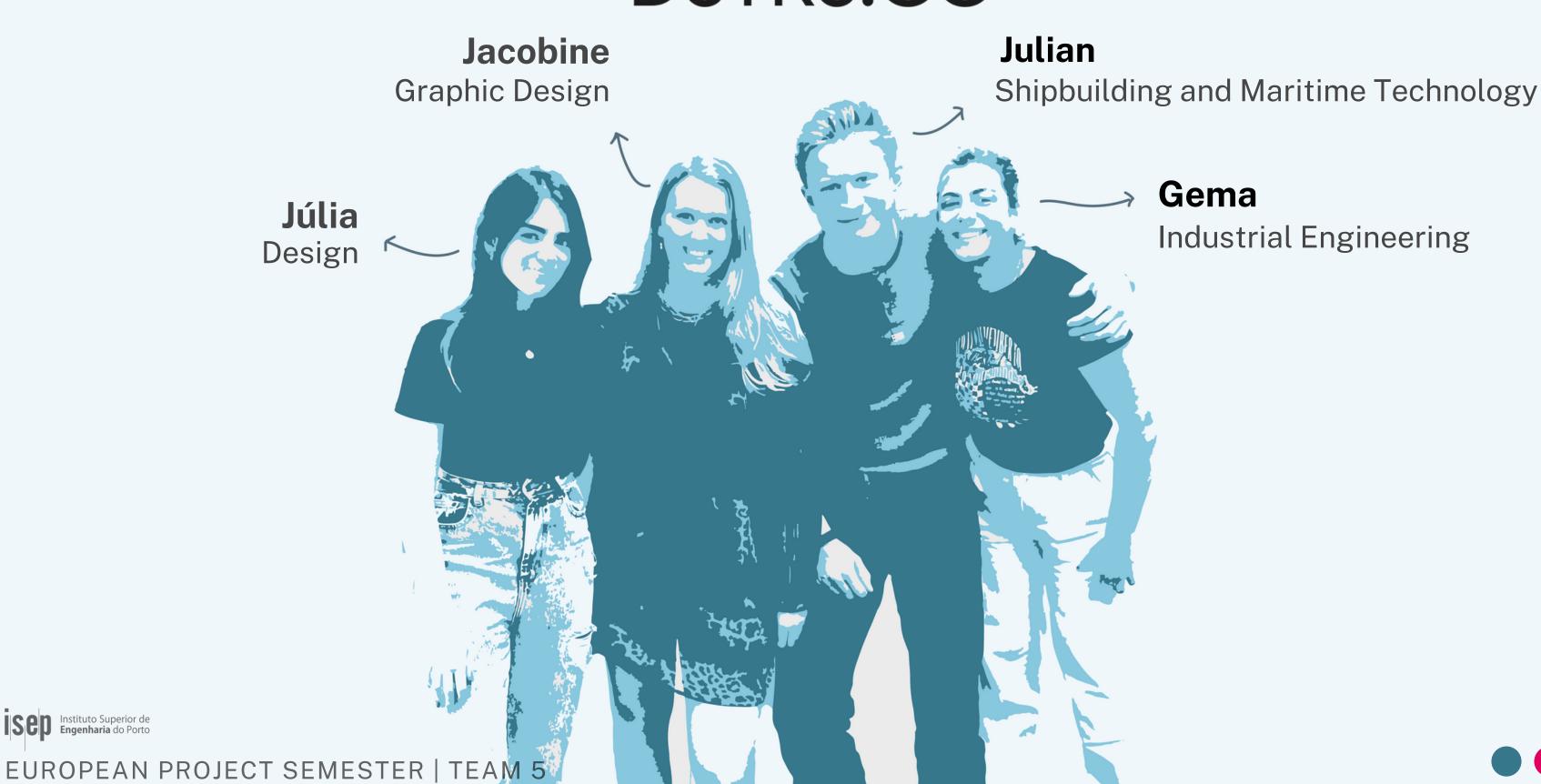
EUROPEAN PROJECT SEMESTER 2022

# Mild

Mental health companion



## DSTRS.CO









## **STATISTICS**

and the impact of COVID-19



Mental health and substance use disorders affect 13% of the world's population.

Million people are affected by Anxiety, the most common mental illness in the world.

COVID-19 pandemic triggers 25% increase in prevalence of anxiety and depression worldwide





## SURVEY

and target audience

People like you and me

Struggling with anxiety

18-30 years old

People who have a restless routine

Daily life earphones users

People who need stress relieve



Had experience with the feeling of anxiety



Don't have a smart companion or a device that supports mental health issues





## RESEARCH

























## PRODUCT DESIGN

Earphones —



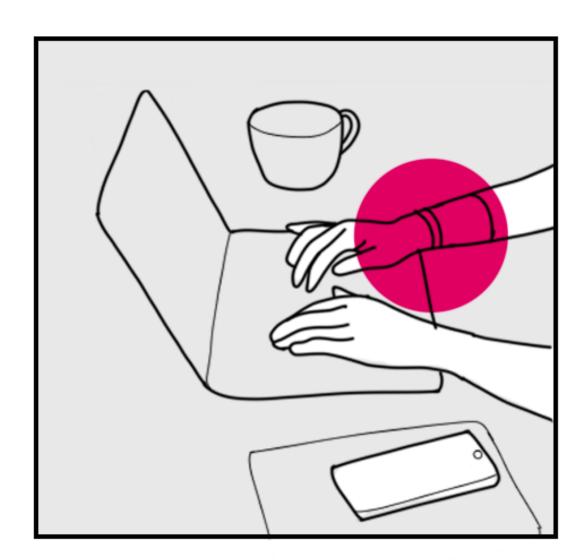


Smart case

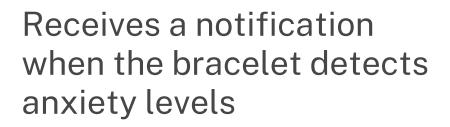
Smart bracelet -



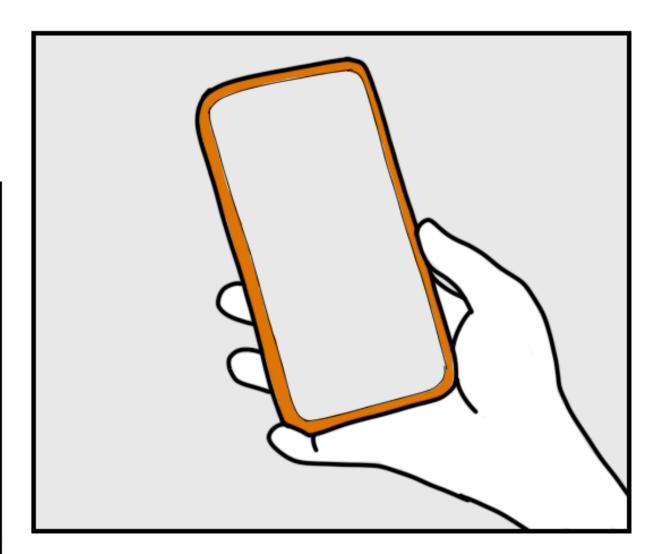




The user wears the bracelet during his daily life







Can access the Mild application and choose among 4 options









#### Sounds

Calming Sounds feature



#### Music

Songs that can calm you down



#### **Vibration**

Guided breathing through vibrating headphone case



#### **Breathing**

Sound to guided breathing



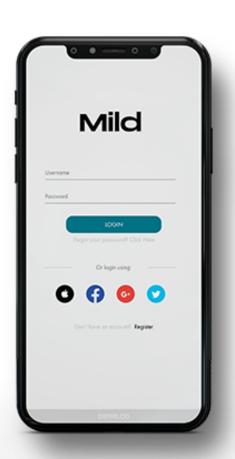


## **APPLICATION**

### Mild mobile application interface



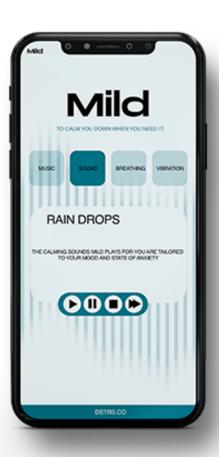
User gets the notification



Login screen



The main page



Different features



Control the earphone and the case





## **PACKAGING**

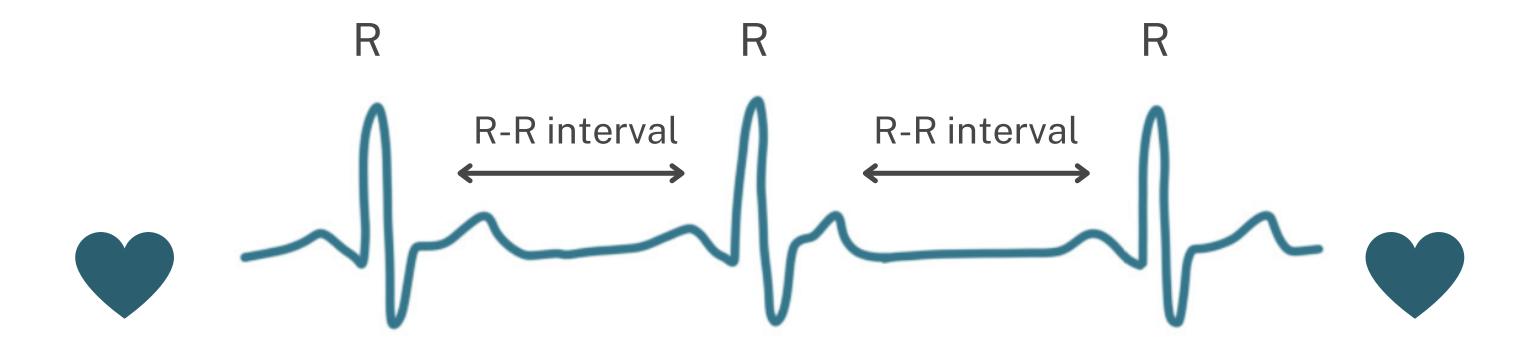






## **HOW IT WORKS**

Heart Rate Variability (HRV) indicates the state of mental health.



RMSSD is high You're calm.

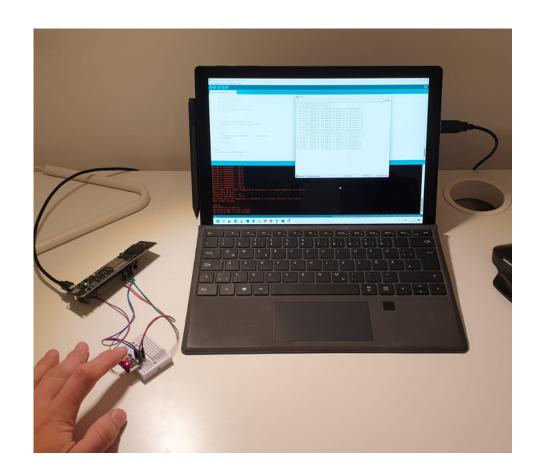
$$RMSSD = \sqrt{\frac{\sum_{i=1}^{n-1} (RR_i - RR_{i+1})}{n-1}}$$

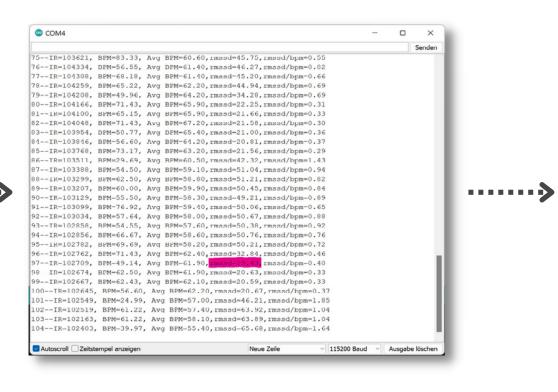
RMSSD is low You're anxious.

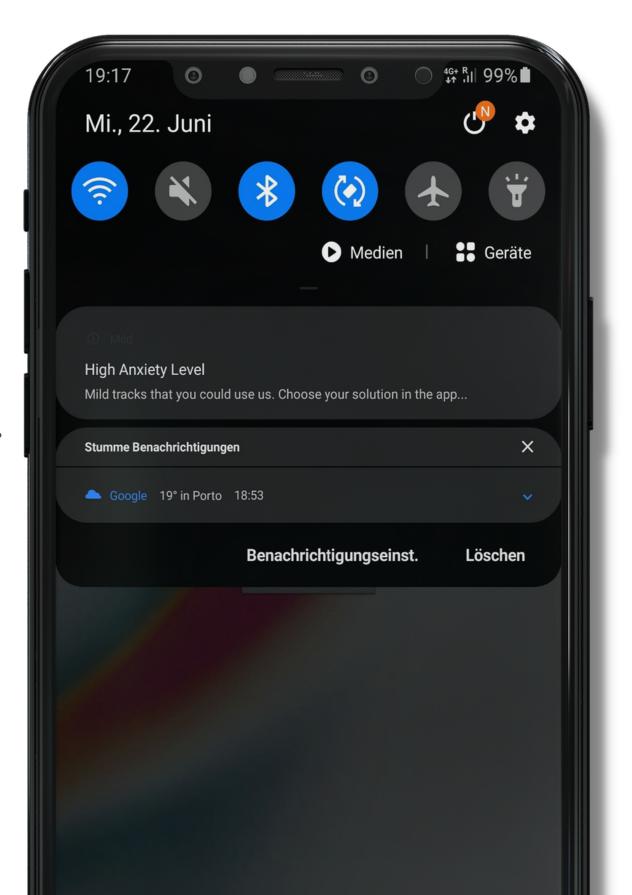




## Testing of the Heartrate Sensor





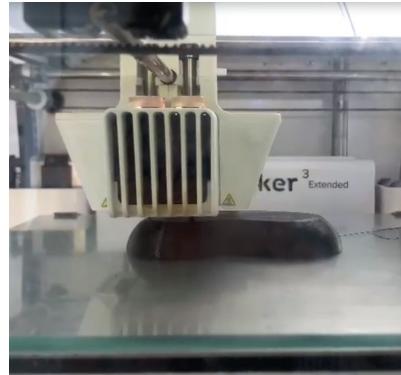


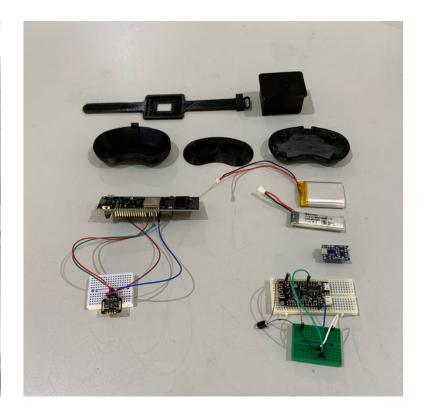


## THE PROTOTYPE

















## Achievements

For the solution and for the team



Group Work



PROPOSED SOLUTION

Problemsolving skills



Multidisciplanary team



Knowledge in distant topic



Product ready for investment

## **Future work**

