Porsche Disposal App

Context

With its "Go to zero" strategy, Porsche wants to achieve emission-free production by 2030. In order to meet this target, in addition to the electrification of the vehicle fleet, something must also change in waste management, which is the framework of our research project.

Team

HdM

Christian Büchle	Elias Merzhäuser	Pia Albrecht	Fabian Klemmer
Project Manager	UI/UX	UI/UX	Video
4. Semester Medienwirtschaft	7. Semester Mobile Medien	7. Semester Mobile Medien	4. Semester Medienwirtschaft

Exchange

Faraaz Razvi	Sarah Oliviera	Cherry Yang	Christy Chan	Tomáš Zlatovský
UI/UX	UI/UX	UI/UX	UI/UX	Video
4. Semester New Media	4. Semester New Media	4. Semester New Media	4. Semester Creative Industries	4. Semester App Design

Implementation/Tools

Clickable Prototype with Figma, Miro, Adobe Creative Cloud, Trello, After Effects

Solution Slide
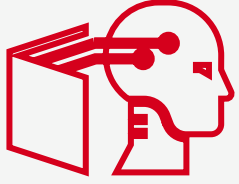
1. Setting Up an algorithm
In order to counteract the problem of incorrect disposal and the resulting damage to people and the environment, we have considered developing an object recognition algorithm that provides reliable information about where waste has to be disposed of in production at Porsche.

2. Collecting Data
In the first phase of creating an object recognition algorithm, we first need to collect as much tagged data as possible. We therefore developed our app to collect this data in form of images.
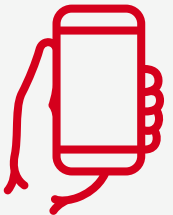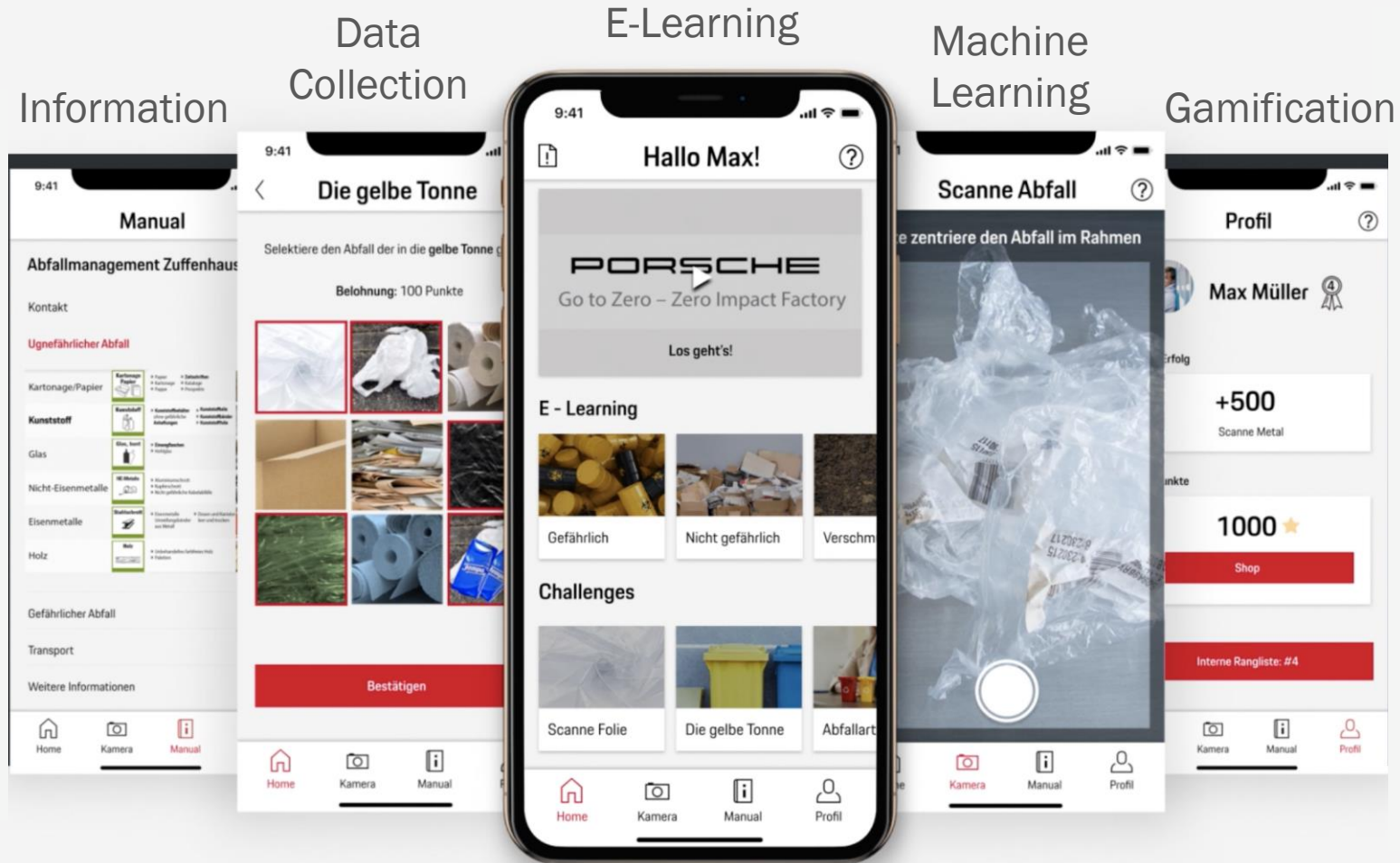
3. Porsche Disposal App
Our app guides Porsche AG production employees through various challenges and tasks in a playful and intuitive way. By using the app, employees train and verify data for an artificial intelligence that will eventually be able to tell them where to dispose of each type of waste.

Product Slide

We have built a clickable prototype with the help of Figma. The App is divided into the sectors **e-Learning** and **Challenges.** The e-learning is only about bridging the non-existing digital information source.
The challenges, with their gamification background, are designed to guide employees through processes in a playful and intuitive way in order to collect data for our AI.