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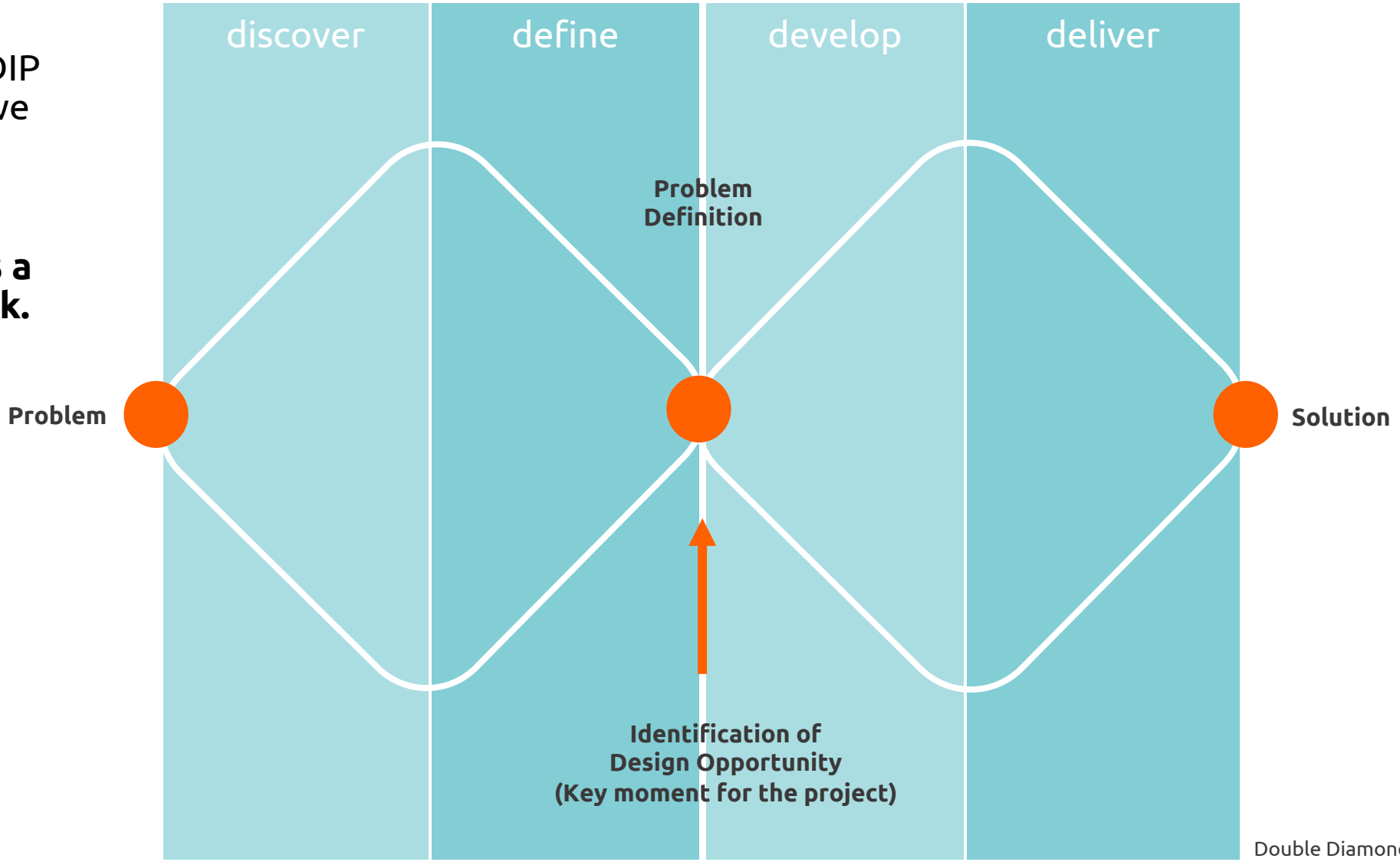
DESIGN FACTORY MANNHEIM

Global Digital Innovation Program
2020/21

The process

For the GDIP program we use the **double diamond** process **as a framework.**



Double Diamond (Design Council, 2005)

The Program

GDIP (Global Digital Innovation Program)

SANDBOX

UNIVERSITY OF TARTU

- **Action-based** project driven by **digital transformation**
- **International** teams
- Close collaboration with corporate partner
- Tangible **proof-of-concept demonstrator**.

- Open for **bachelor students** (6th or 7th semester).
- Duration: 1 semester
- Replaces one elective (Wahlfplichtfach)
- 5 Credits (ECTS). The workload is approx. 1 day a week.

DFGN

Overview

- **International teams** with 6-8 bachelors students
- **Close collaboration** with an Industry Partner
- **Duration**: mid Feb – June (approx. 4 months)
- **Time commitment** for students: approx. 1 day a week

Innovative human-centric development of digital products & services

Multiple iterations resulting in various concepts and prototypes

Proof-of-concept prototype of final solution

Process, method and mindset insights

Past Projects

VidaWell Gesund

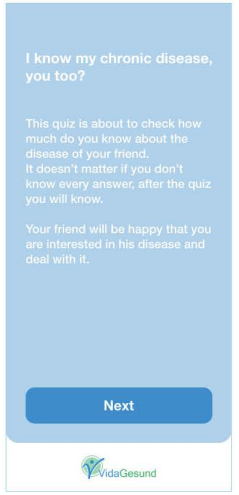
2019/20

How might we improve the adherence to therapy regime of chronic patients by motivating them to change their lifestyle in the long term while having fun?

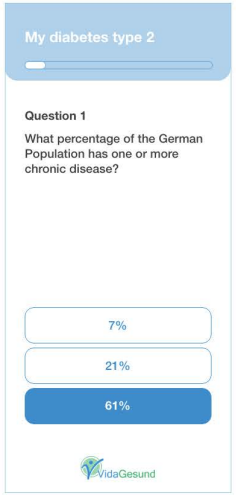
Therapy adherence is a major issue in Germany as more than 50% of Germans are suffering from chronic diseases. Also, that number is rising which causes a huge problem for the healthcare system. Major reasons for low therapy adherence are not sticking to routines, no proper support system and lack of awareness about chronic diseases among friends, family members and the general public.

Outcome

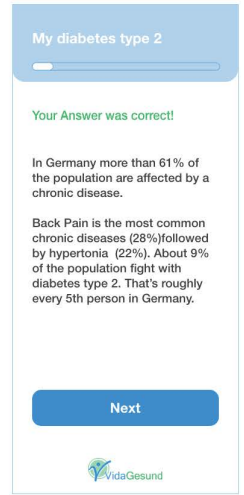
This handout developed as a feature for the Vida Gesund platform helps patients to share information about their disease with friends and family members easily. Patients can create personal customized handouts about their disease and then share it on social media or directly with friends and family. With this solution, patients can receive more support by spreading awareness among their friends and family.



Introduction of the quiz: what it is about and why you should do it.



In the quiz are simple questions to learn more about a disease



Even if the answer is incorrect you get feed-back with the right explanation

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Leeroy

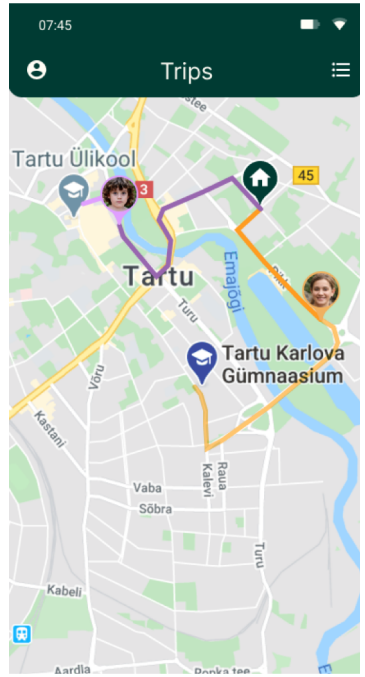
2019/20

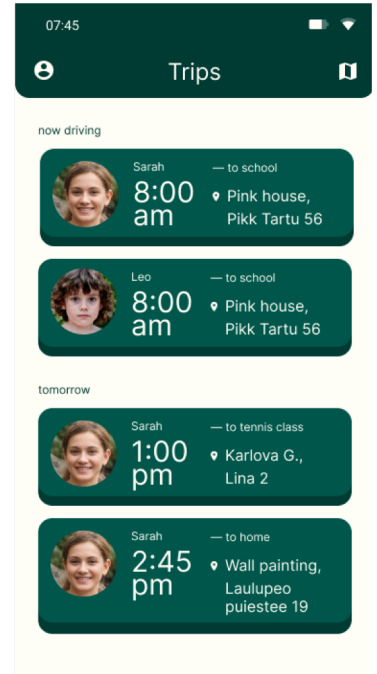
How might we reduce Tartu's carbon emissions by 40% until 2030 by engaging citizens in alternative modes of transportation?

The small city of Tartu, a cultural and intellectual center of Estonia, thrives to become a smart city. Many environmentally friendly solutions have been already implemented by the city to achieve this goal but one of the global problems - excessive usage of private vehicles - still remains. This is especially true for people living in the vicinity of Tartu who travel not only within their region but also into the city center for work, transporting children to school, sports, and other activities.

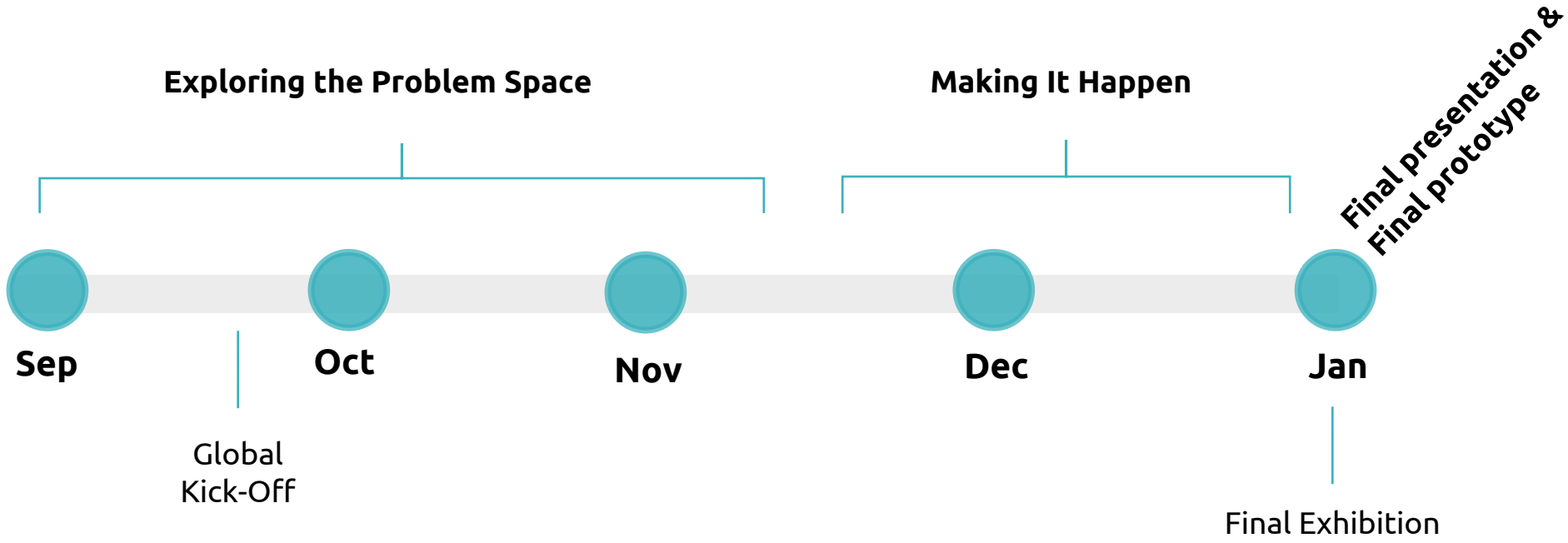
Outcome

Leeroy - a school bus system - provides flexible buses that transport these kids safely. The system can be booked via a smartphone app where you can register your child and indicate all the movements that would require transportation. Smart routes are created based on demand. This does not only save the parents' time and traffic stress but also helps to reduce CO_2 emissions.





Preliminary Program Timeline



The student teams…

- Establish direct connection with the industry partner
- Manage all their internal communications
- Are responsible for their deliverables and assignments

Contact us

Send us an email to inno.space@hs-mannheim.de

Find us online