

DESIGN PROJECT 1 T3

Introduction 12/01/2024

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Today's Class

Agenda 12/01/2024

Course information and overview

Week 1 – Design Process material

Form groups and decide on a topic

DESIGN PROJECT 1

A hands-on course where you will

- ▶ Design, prototype, develop and evaluate an interactive system
- ▶ In groups of ~4
- ▶ Evaluated through ongoing progress and final deliverable

DESIGN PROJECT 1 & 2

The Design Project course is divided in two parts over 14 weeks

DESIGN PROJECT 1

Starting *12 Jan* with Arnaud Prouzeau (7 weeks), open to all M1 and M2 students.

Your project will be linked with one or more of the electives that you are taking. Today, you will start brainstorming on ideas in connection with your electives.

Ends with a presentation, demo and **pictorial** submission.

DESIGN PROJECT 2

A continuation of Design Project 1 starting *14 Mar* with Tove Grimstad Bang (+7 weeks), open to M1 HCI/HCID students.

You can chose to either do *two different* projects, or *one* project over the 14 weeks.

M1 HCID students: your project will be integrated with Business Development Labs (possibly already from Design Project 1, but definitely starting in Design Project 2).

M1 HCI students: your project will be integrated with the TER (possibly already from Design Project 1, but definitely starting in Design Project 2).

Ends with a presentation, demo and **paper** submission.

Deliverables and Learning Outcomes

Identify the key principles in the design of interactive artifacts.

Design, develop and evaluate an interactive system.

Deliver original software/hardware and complete documentation. The documentation, in the form of a pictorial (week 7) and a paper (week 14), describes, analyzes, and discusses the design choices embedded within the system, conceptually, technically, and critically, and the resulting user evaluation.

You will also end the 7 weeks with a presentation of your project including a demo of your interactive system.

Grading

- **Weekly progress of process and class presence** 30 %
- **Final interactive system and oral presentation including demo** 35 %
- **Documentation of the process (pictorial and paper)** 35 %

Weekly Assignments

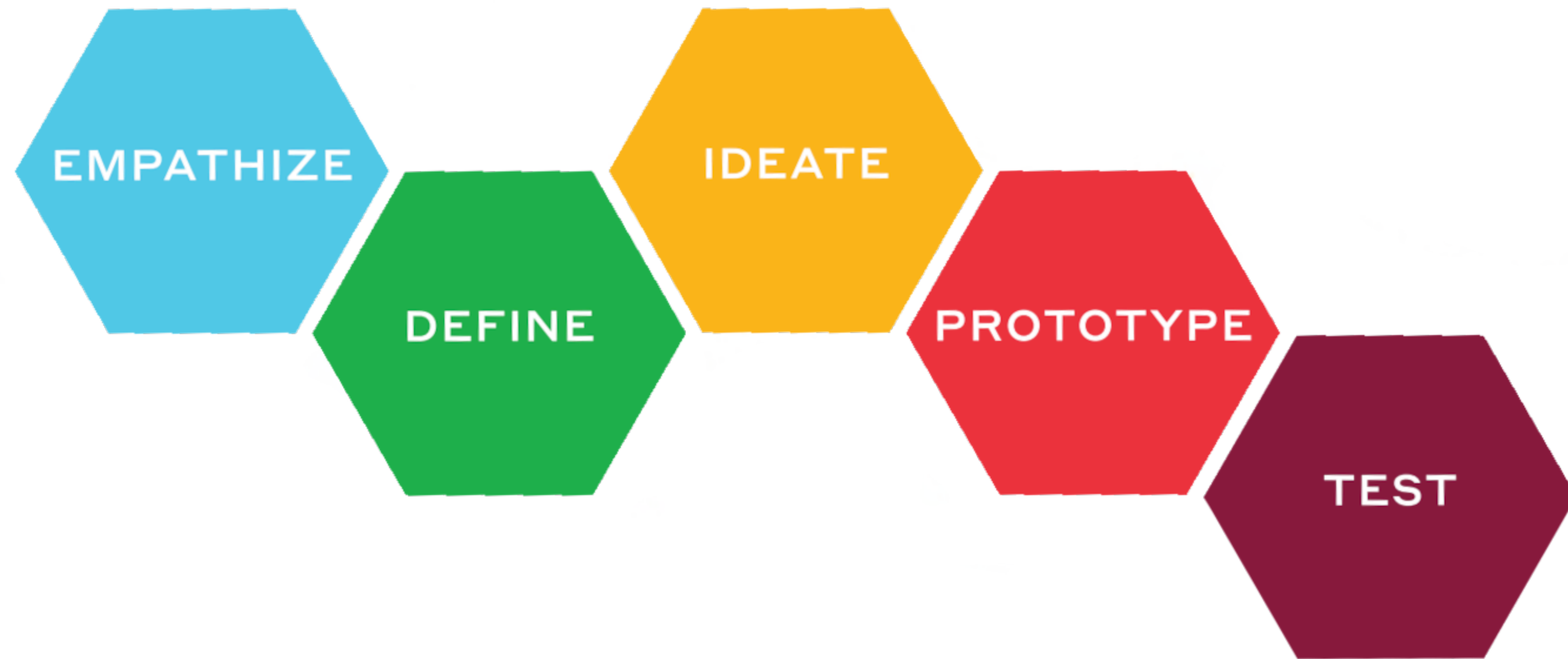
Every week each group submits a progress report (due on Thu at 12:00)

Short and concise, about **one page** explaining your project progress through **short paragraphs** or bullet-points of the outcome of your work, and **images** and **sketches** of your design work, when applicable.

Serves as documentation of your design process and for us to prepare feedback.

We recommend using *one* working document for your weekly progress reports, which will help you getting an overview of the design process throughout the course. For the weekly progress report, you then extract one page in pdf format for submission.

Good software for such use are e.g. miro or dropbox paper. You are free to use whatever tool you want.



Method

EMPATHIZE with your user.

DEFINE needs and insights.

IDEATE: Generate radical design alternatives.

PROTOTYPE: Get ideas and explorations out of your head and into the physical world.

TEST: It is the chance to get feedback on your solutions.

ITERATE...

Course overview

Week 1: Form groups, find topic and **EMPATHIZE** with your user.

Week 2, 3: **DEFINE** needs and insights.

IDEATE: Generate radical design alternatives.

PROTOTYPE: Get ideas and explorations out of your head and into the physical world.

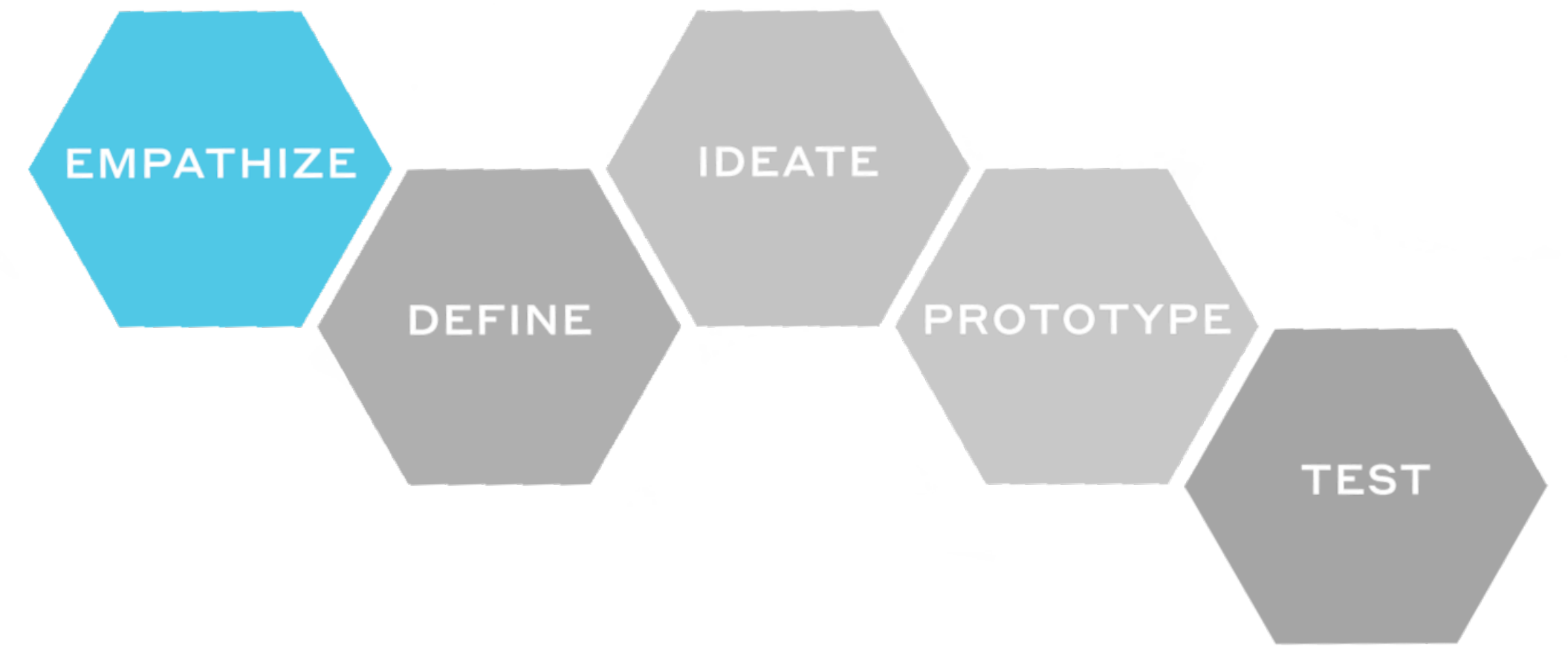
TEST: It is the chance to get feedback on your solutions

Week 4,5,6: Develop and iterate...

Week 7: Present and demo your project, submit paper

Week 1

What to Do *in Class* Today



In class:

1. Discuss topics of interest and form groups

First find general topics of interest

2. Then, in your group, start discussing and planning how to engage with your users

EMPATHY is the foundation of a human-centered design process. Experience what your user experiences.

- Observe.
- Engage.
- Immerse.

Week 1

What to Do *After Class* Today

After class:

1. **By the end of the day** you should complete the first assignment, which is for each one of you, *individually*, to inform us of which group you belong to and add *one sentence* describing your topic of interest and how you plan to proceed until next week.
2. Until next week you will be engaging with your users, and submit your progress report for week 1 **by 19 Thu at 12:00**

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