Karlsruher Institut für Technologie

Student Tasks

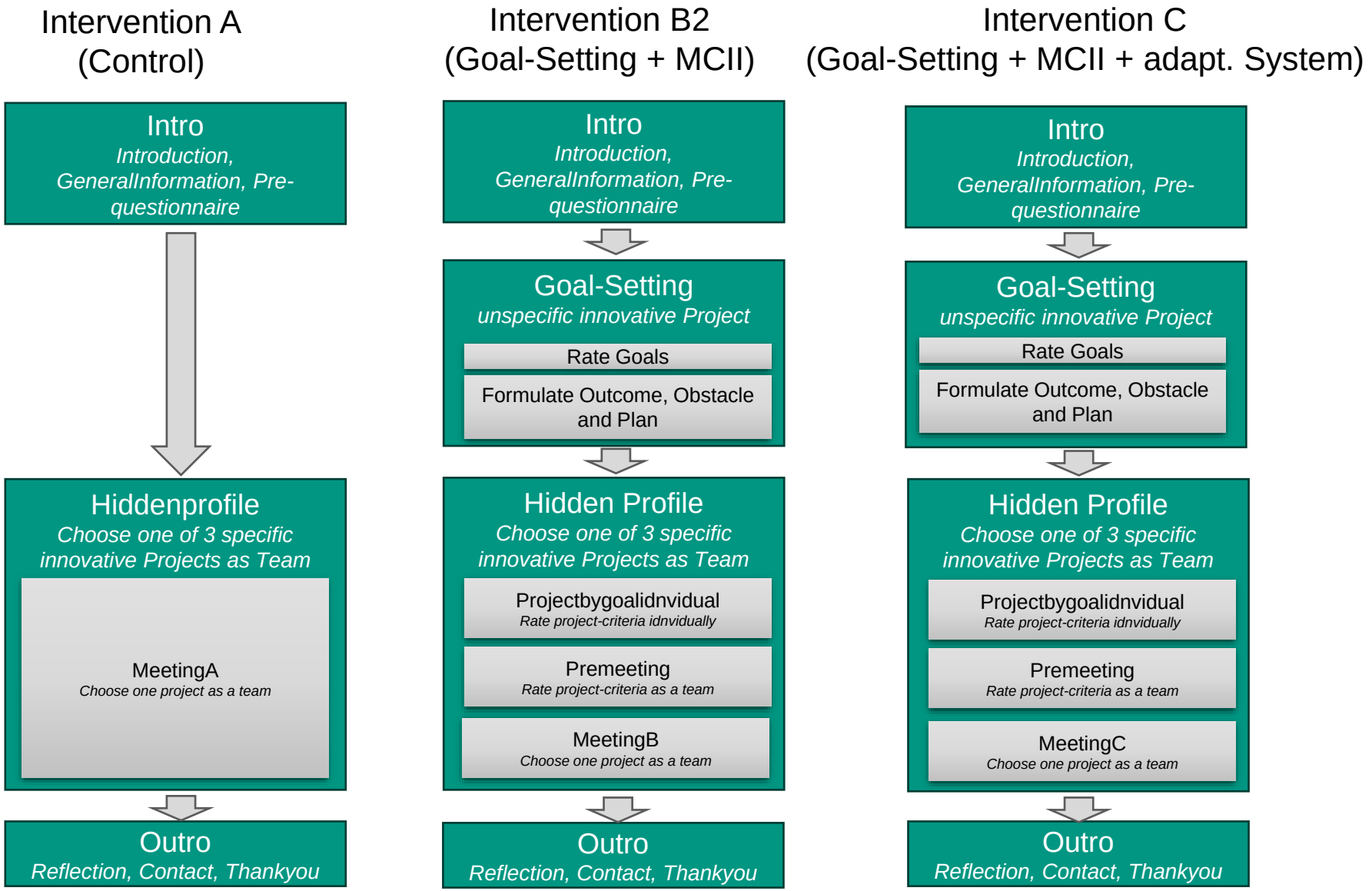
Goal-Setting in Teams



Task Overview

- Individually:
  - Student 1: Logic to provide prefilled matrix
  - Student 2: Implement questionnaires in intro and outro
  - Student 3: Control experiment-flow
  - Student 4: Design pages with html and css
  - Student 5: Remodel „goalweighting“
- Together:
  - Make the experiment work in KD2-Lab for two players
  - Extend code to four players
  - Derive the apps „MeetingB“ and „MeetingA“ from MeetingC
- Further Interest?
  - Share of Speech
  - Eye-blinking

Experiment Overview



GitHub

- Project:
https://github.com/gaubekit/hapshiddenprofile

- Materials:
https://github.com/gaubekit/HAPS_additional_material

Note

- App “HiddenProfile” has been excluded from the Session since the last meeting

https://de.cleanpng.com/png-2k4m8w/

Individual Tasks

Please decide as a team which of you will take on which task

- What‘s the individual preferences and strength?
- How could you collaborate best?

Student 1: Logic to provide prefilled matrix

- In app „Premeeting“ shall the participants fulfill a pre-filled matrix
- There is alraeady a matrix with checkboxes and the information for the prefilling (see snipped belwo)
- Provide logic that makes sure the right checkboxes are already checked

Project-Information Matrix

Based on your previous ratings, your team agreed to the following:

human_resources: Project C
cost: Project B

Please complete the Matrix below:

	Project A	Project B	Project C
human_resources	☐	☐	☐
cost	☐	☐	☐
duration	☐	☐	☐
revenue	☐	☐	☐
new_tech	☐	☐	☐
social_benefits	☐	☐	☐

Student 2: Questionnaires in Apps Intro / Outro

- Implement questionnaires in apps Intro and Outro

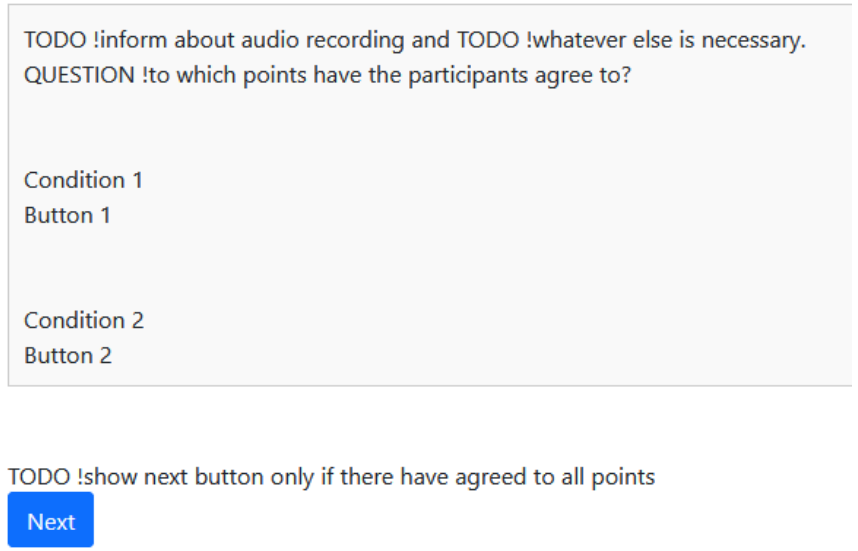
https://github.com/gaubekit/HAPS_additional_material/blob/main/HiddenProfile_Questionnaire.docx

- For Lickert scales, checkboxes could be an option - but perhaps there are other solutions as well
- Formulate some suggestions for the Sections
  - previous experience
  - Information sharing

Student 3: Control experiment-flow

- Supress the refresh of pages (f5) during experiment
- Think about the experiment-flow and build logic that make sure, that the participants don‘t enter pages berfor they sould and don‘t enter invaldi information
  - E.g. next-button is only displayed if certain page-criteria are met
- Do you see any other points that we should pay attention to in order to ensure that the data remains consistent?

```
<script>
    document.addEventListener('keydown', event => {
        if (event.key === 'F5') {
            event.preventDefault();
        }
    });
</script>
```



Student 4: Design pages with html and css

- Visually more appealing design and clear structuring according to a uniform design (You could also use the _templates/global/Page.html)
- See next slide → Information field should always be in the same place
- Wording: organization context to lab/student context

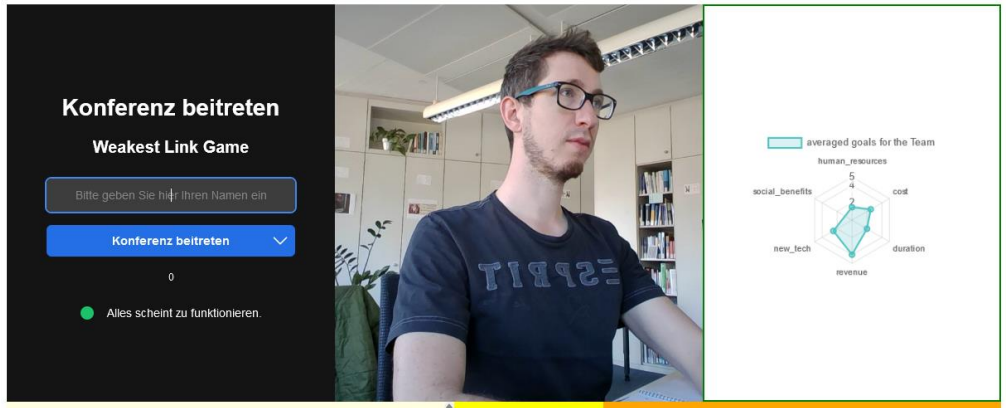
Project Rating

We provided you Information depending on the following two goals, weather if its one of each named goal which Projects fits in your opinion best. You have to choose exactly one

	Project A	Project B
human_resources	☐	☐
new_tech	☐	☐

Next

Please discuss now which of the three projects (see information panel) you would choose as a team.



Recap: Individual Project Information

Project A: Virtual Reality Fitness Adventure Game
Project A is a virtual reality fitness adventure game that combines immersive storytelling with physical exercise.
Players embark on epic quests where they must complete fitness challenges to progress, making workouts engaging and rewarding.

placeholder HUMAN RESOURCES information A
placeholder NEW TECHNOLOGY information A

Project B: AI-Powered Personalized Shopping Assistant

Team Choice

☐ Project A
☐ Project B
☐ Project C

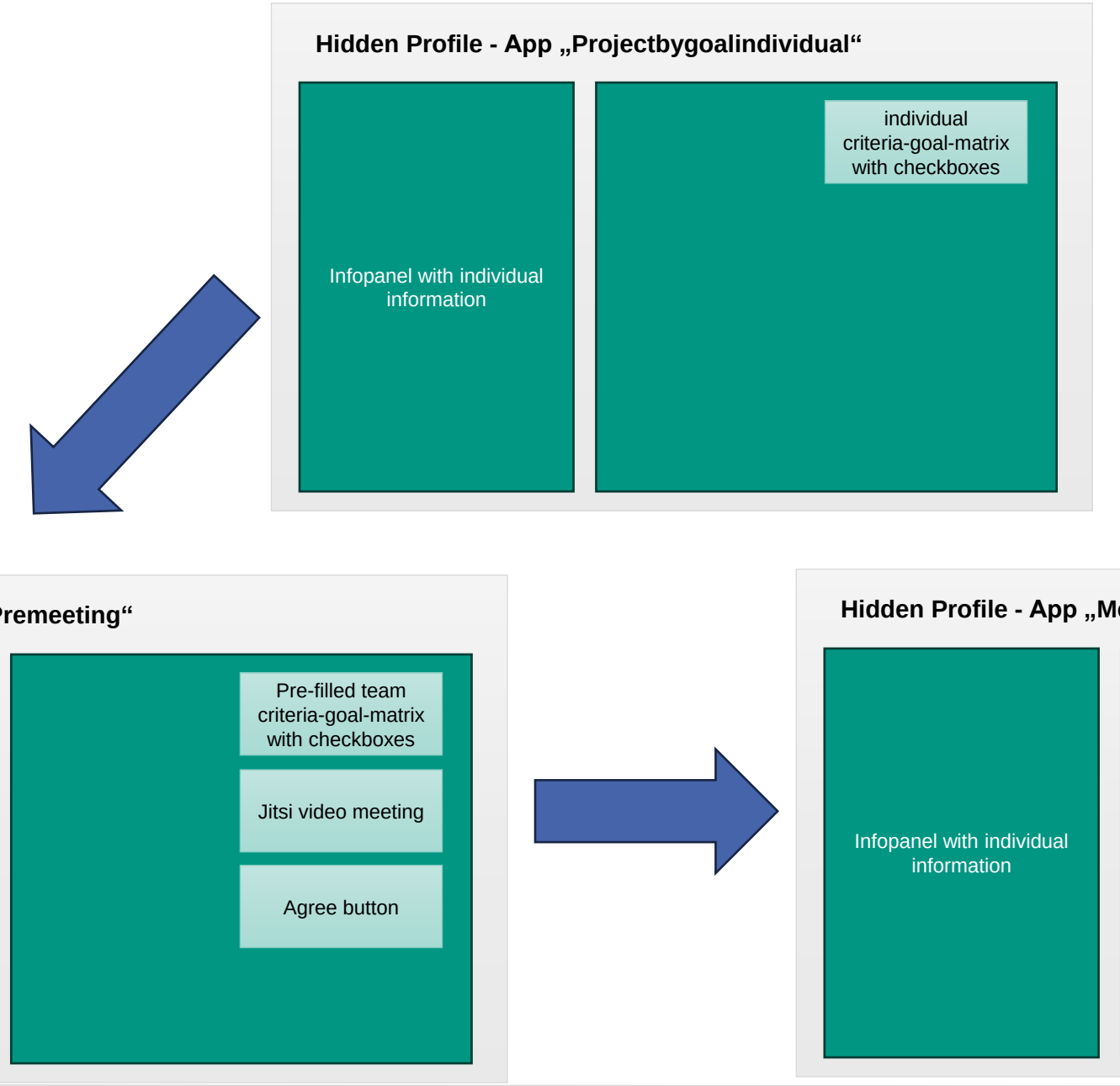
I agree

Agreements:

Team Rating

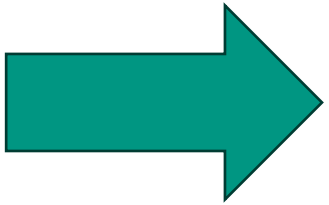
The Table below shows your previous decision: TODO visualization

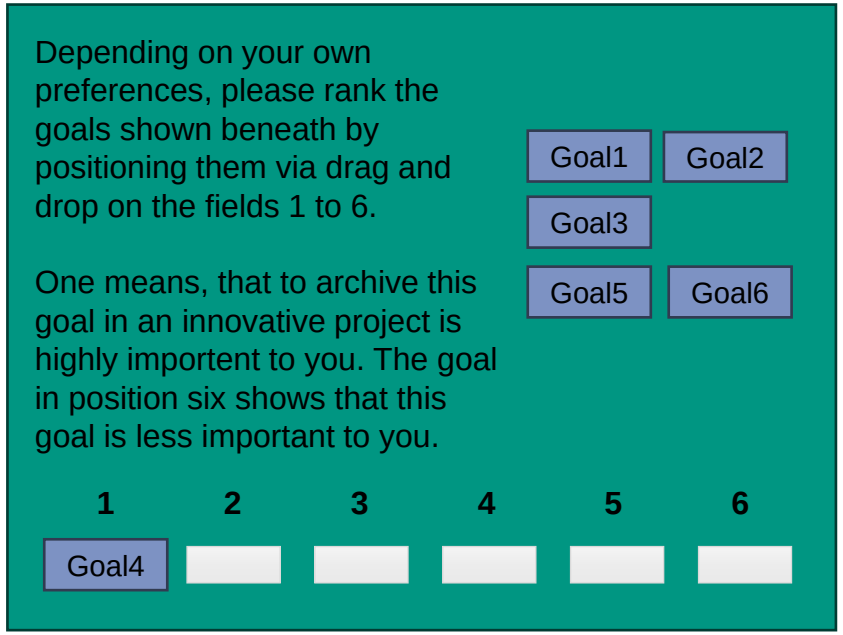
	Project A	Project B	Project C
human_resources	False	False	True
cost	False	True	False
duration	False	False	True
revenue	True	False	False
new_tech	True	False	False
social_benefits	True	False	False


Hidden Profile - App „Projectbygoalindividual“
Infopanel with individual information
individual criteria-goal-matrix with checkboxes
Hidden Profile - App „Premeeting“
Infopanel with individual information
Pre-filled team criteria-goal-matrix with checkboxes
Jitsi video meeting
Agree button
Hidden Profile - App „MeetingC“
Infopanel with individual information
Filled team criteria-goal-matrix
Jitsi video meeting
SpiderGraph
Project-Choice-Section with Agree-Button

Student 5: Remodel goalweighting to goalranking

- Kick out Spidergraph
- Instead of choosing one goal as most important and allocate the points, the participants should rank the six given goals
- Ranking by positioning the six goals into an order via drag and drop

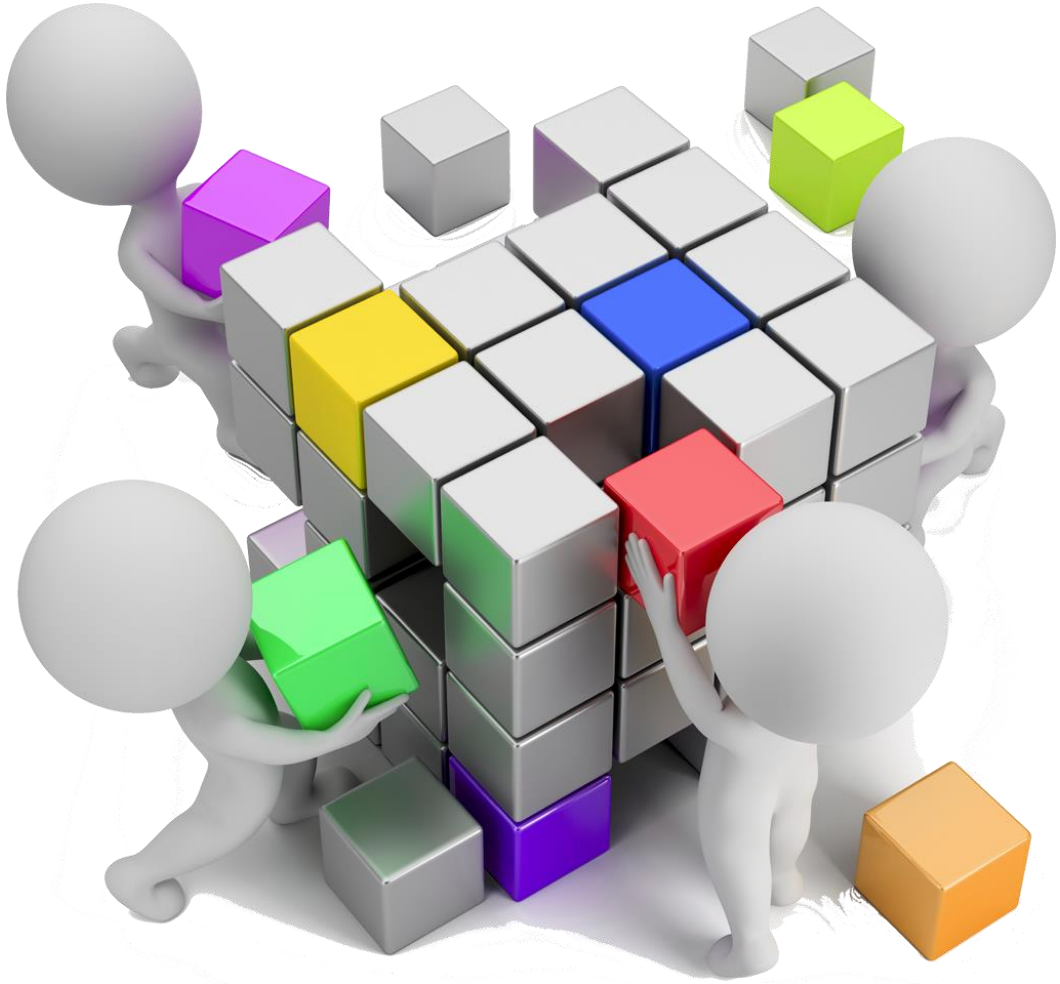




How to drag & drop

https://www.youtube.com/watch?v=SE1HXc2V3Xk

https://github.com/gaubekit/HAPS_additional_material



https://de.cleanpng.com/png-xchc5t

Team Tasks

Bring in what you learnd to make the experiment Work.

Put your code together.

Get startet in the KD2-Lab.

Make the experiment work in KD2-Lab

- Set up the experiment in the KD2-Lab

- What to consider?
- Test the experiment with two players
- What problems occur?

Extend Experiment to four players

- Some changes are needed
  - Participants in setup.py
  - Split of information
  - ..

Derive the apps „MeetingB“ and „MeetingA“ from MeetingC

- The only part where we have code repetition are MeetingA, MeetingB and MeetingC
- Actually only MeetingC as full version with spidergraph is developed
- Reduce MeetingC to MeetingB (leave out not necessary code)
- Reduce MeetingB further to MeetingA

```
# InterventionA = Control; InterventionB = GoalSetting; InterventionC = GoalSetting + Spidergraph
SESSION_CONFIGS = [
    # Pilot
    dict(name='Pilot', num_demo_participants=20, app_sequence=['Pilot']),
    # Control Group without GoalSetting/WOOP and adaptation
    dict(name='InterventionA', num_demo_participants=2, app_sequence=[   # TODO
        'Intro', 'Hiddenprofile', 'MeetingA', 'Outro']),
    # Intervention with GoalSetting/WOOP
    dict(name='InterventionB', num_demo_participants=2, app_sequence=[  # TODO
        'Intro', 'Goalranking', 'Woop', 'Hiddenprofile', 'Projectbygoalindividual', 'Premeeting', 'MeetingB', 'Outro']),
    # Intervention with GoalSetting/Woop as well as adaptation (Spidergraph)
    dict(name='InterventionC', num_demo_participants=2, app_sequence=[
        'Intro', 'Goalranking', 'Woop', 'Hiddenprofile', 'Projectbygoalindividual', 'Premeeting', 'MeetingC', 'Outro']),
]
```