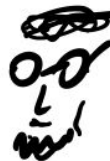


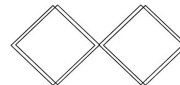
Learning Agility

- how to design your own simulation?

Humbly hosted by Jakub Perlak



aka Kuba

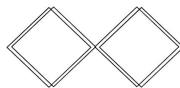


“When I think about it, I must say that my education has done me great harm in some respects. This reproach applies to a multitude of people – that is to say, my parents, several relatives, individual visitors to our house, various writers, a certain particular cook who took me to school for a year, a crowd of teachers (whom I must press tightly together in my memory, otherwise one would drop out here and there – but since I have pressed them together so, the whole mass crumbles away bit by bit anyhow), a school inspector, slowly walking passers-by; in short, this reproach twists through society like a dagger.”

Diaries

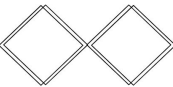
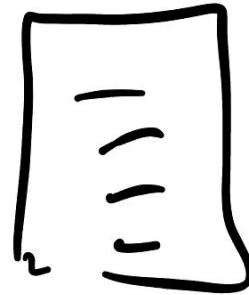
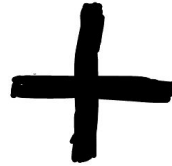


FRANZ
KAFKA



It will be an interactive session!

You will need:



Why we bother?

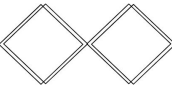


“Nothing fires up the brain like play” (from McKeown “Essentialism”)

Affective Neuroscience: The Foundations of Human and Animal Emotions, “**One thing is certain, during play, animals are especially prone to behave in flexible and creative ways.**” Jaak Panksepp (from McKeown “Essentialism”)



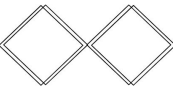
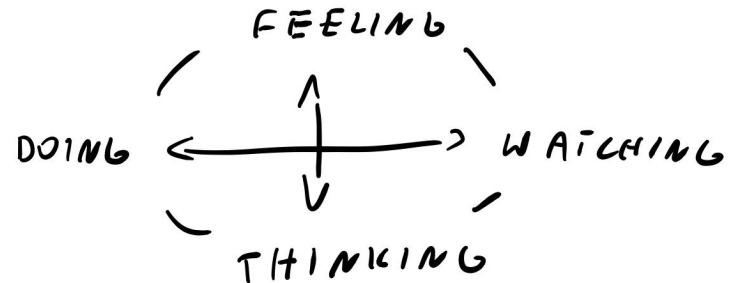
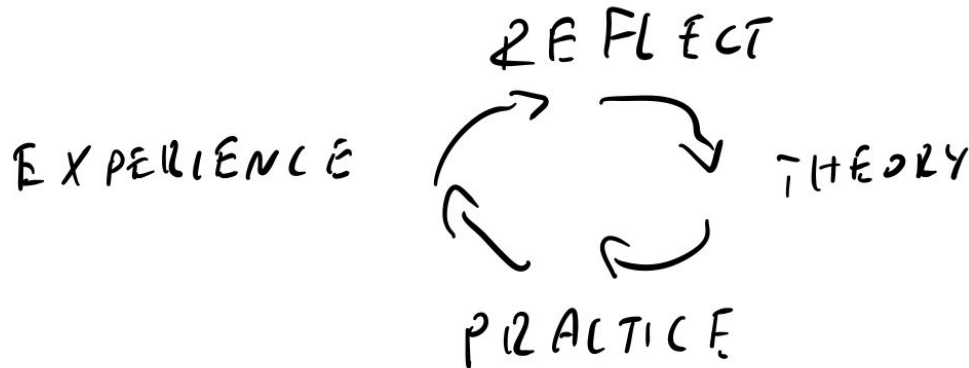
“If you want creative workers, give them enough time to play”. **John Cleese**



If you are still not convinced...

Teamwork training conducted in the **simulated environment** may offer an **additive benefit** to the traditional **didactic** instruction, enhance **performance**, and possibly also **help reduce errors** (Lateef, 2010)

“Learning is the process whereby knowledge is created through the **transformation of experience**” (Kolb, 1984)



One more slide...

“Educational situation”... is about creating a space [together] for intentional cognitive activity” - Jacek Jac Jakubowski.

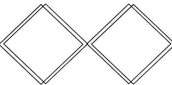
- Environment and space
- Dialogue and empathy
- Emotion, personality, internal mental models

- Reason behind it and goal

- Act and experience - do, say, think...
- Experiential learning like a child

- Sense of belonging, relations
- Whole person engagement and contact, respect

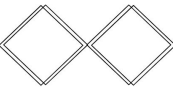
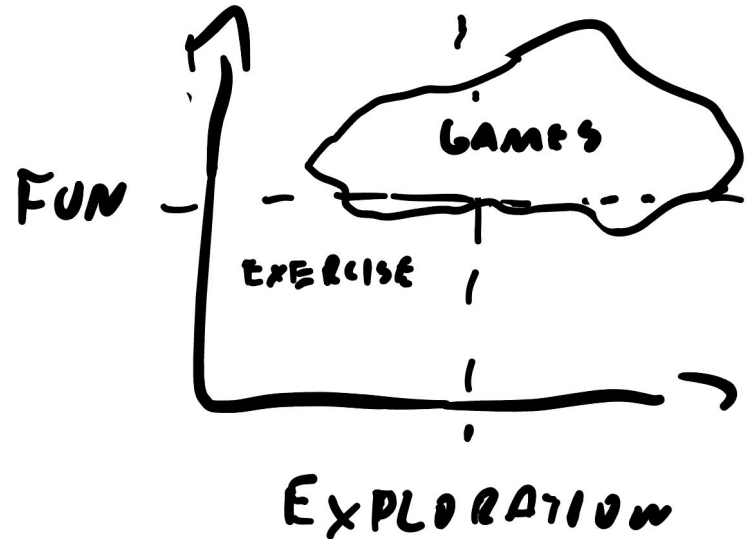
SAFETY
COMMUNITY PURPOSE
ACTIVITY



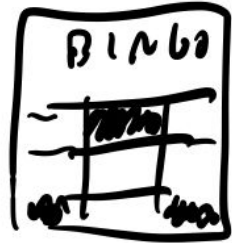
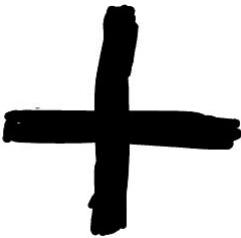
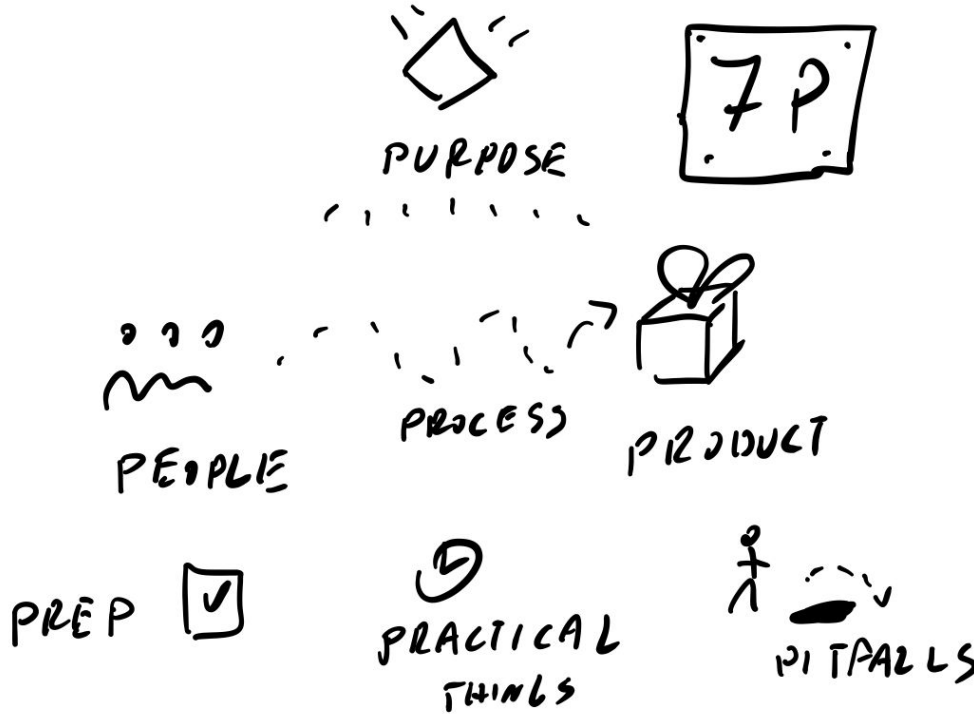
Simulation vs Game

Simulation - controlled environment for learning models of behavior and roles in specific process.

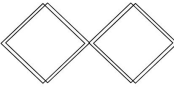
Game - has usually rules, score and effort



How to prepare? 7P + Validation



Agile principles
Values
Elements of
framework
...



How to design? 4C

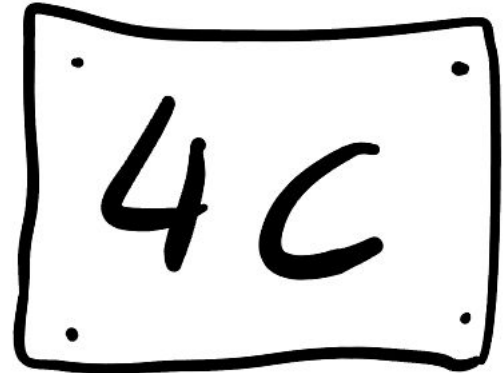
4C is 4-step instructional design and delivery model that is based on how human beings naturally and normally learn

1C - **Connections** - to topics and each other

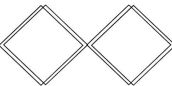
2C - **Concepts** - add what you already know

3C - **Concrete Practice** - practice what you learn

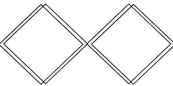
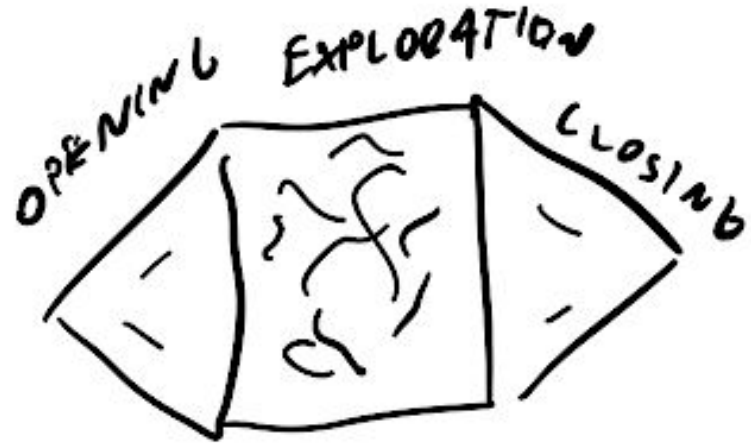
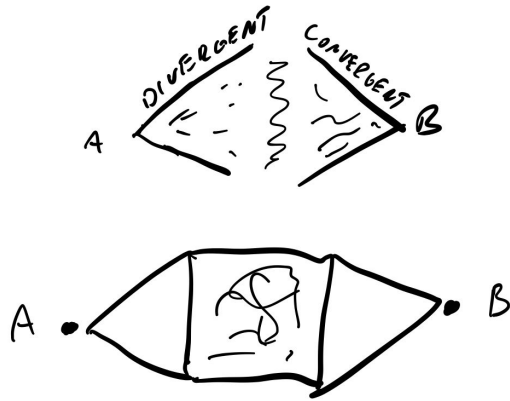
4C - **Conclusions** - learners summarize



TBK



How to design activity? Divergent & Convergent thinking

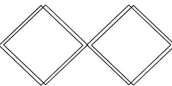


How to open?

Opening - the benefits are initial enthusiasm and excitement, drawbacks are that people are still in a very new situation and can be resistant.

Goal: allow participant discover how to cooperate with others towards a common goal.

- **Icebreakers**
- **Team building games**



Exploration examples

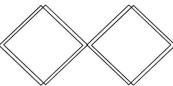


Exploring - more complex games are possible, simulations that require rules and maybe artifacts. The main challenge here is how to design serious simulations that engage most people.

Proper simulation of incremental and iterative approaches to problems.

Here are numerous games for exploration:

- **Ball Point Game** - an iterative process of throwing balls by the team in order to get the highest result, In every iteration the team is reflecting their strategy
- **Paper Airplanes** - building paper airplanes in iterative mode, trying to improve the result of how many the team can build
- **Piggy Bank Scrum** - simulates an iterative approach for making money, one nice idea here is an element of tossing coins to bring an element of variability in the process
- **Lego ...**

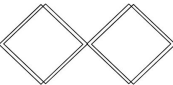
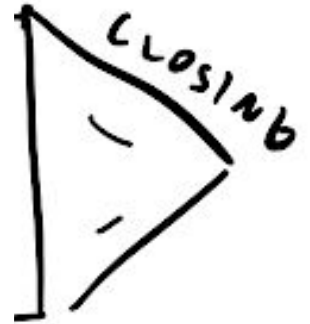


How to close?

Closing - The benefits are that people get to know each other and can build on learning from previous phases, a drawback is potentially tiredness. The main challenge is how to link experience to everyday life or problems we try to solve.

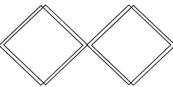
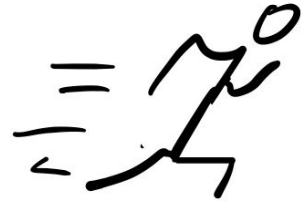
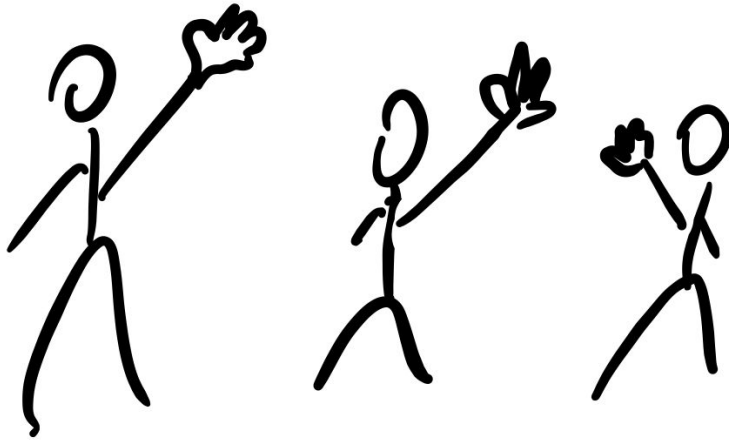
Like:

- “**Agile bingo**” we experience something that links to our practices.
- 2 learnings + 1 surprise
- Share real life connections



Practice time

Volunteers...



Ball Point Game

Pass as many balls by the team

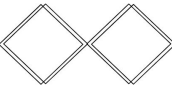


Iteration plan

- Plan 2 min
- Build 2 min
- Review 2 min
- Reflect 1 min
- Again...

Rules for Playing

- Everyone is part of one team.
- Each ball must have air-time.
- Each ball must be touched at least once by every team member. No cheating :)
- Balls can't be passed to your direct neighbor to your immediate left or right.
- Each ball must return to the same person who introduced it into the system.



Agile Airplanes



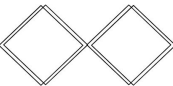
Create as many high quality paper planes that can fly a given distance

Iteration plan

- Plan 2 min
- Build 2 min
- Review 2 min
- Reflect 1 min
- Again...

Rules for Playing

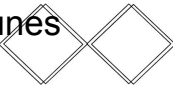
- Only one person can make one fold at a time.
- Every person need to make at least one fold.
- The planes must be built and tested in 2 min.
- Only planes that fly the given distance are counted.
- Have one person in the team be the counter.
- No crush and ball making cheats :) at this time.



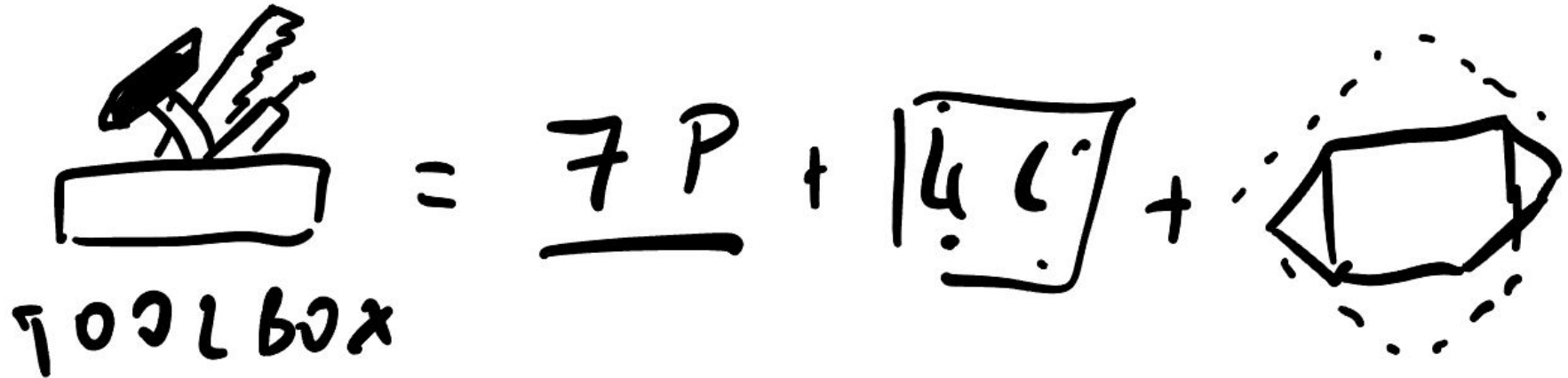
Agile Principles Bingo



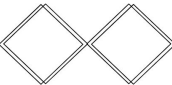
1. Our highest priority is to **satisfy the customer** through early and **continuous delivery of valuable** software.
2. **Welcome changing requirements**, even late in development. Agile processes harness change for the customer's competitive advantage.
3. **Deliver working software frequently**, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
4. **Business people and developers must work together** daily throughout the project.
5. Build **projects around motivated individuals**. Give them the environment and **support they need, and trust them** to get the job done.
6. The most efficient and effective method of conveying information to and within a development team is **face-to-face conversation**.
7. **Working software is the primary measure of progress**.
8. Agile processes promote **sustainable development**. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
9. **Continuous attention to technical excellence** and good design enhances agility.
10. **Simplicity**--the art of maximizing the amount of work not done--is essential.
11. The best architectures, requirements, and designs emerge from **self-organizing teams**.
12. At **regular intervals, the team reflects** on how to become more effective, then tunes and adjusts its behavior accordingly.



Your toolbox from now

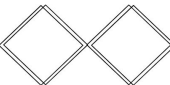
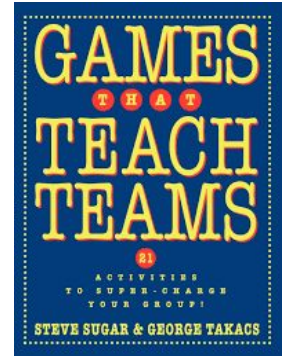
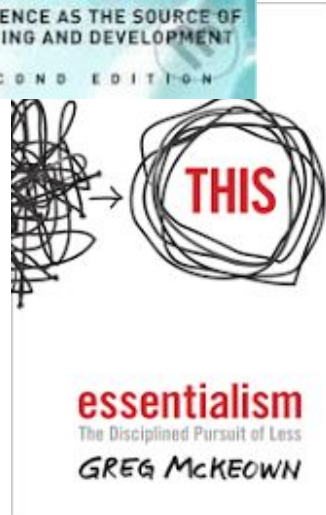
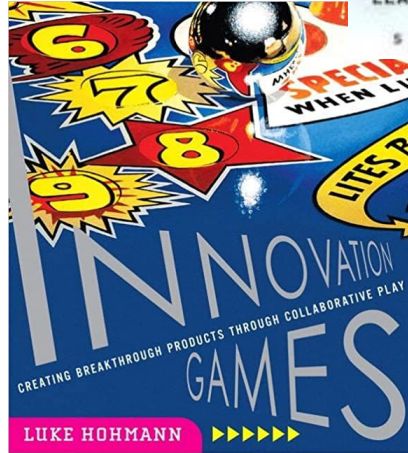
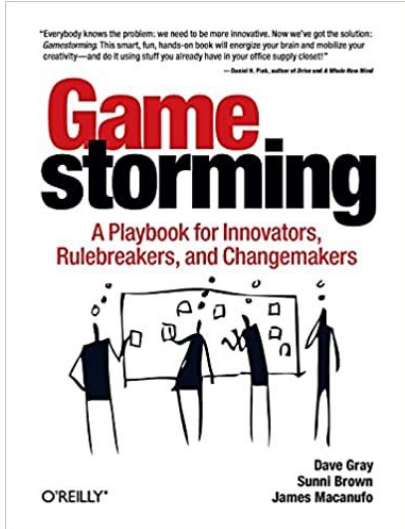
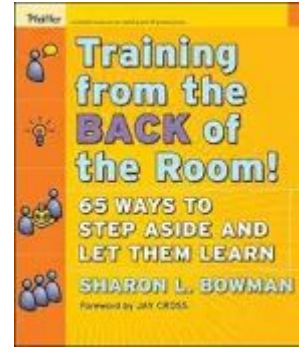
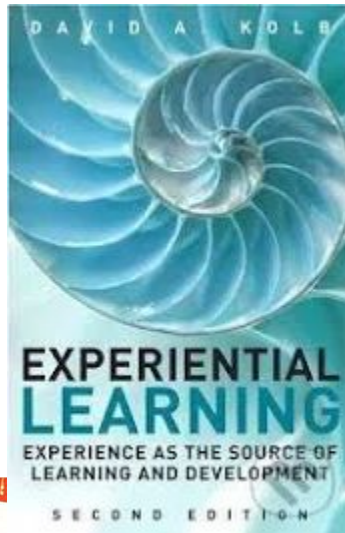


“Tell me and I forget. Teach me and I remember. Involve me and I learn” Benjamin Franklin



Inspirations

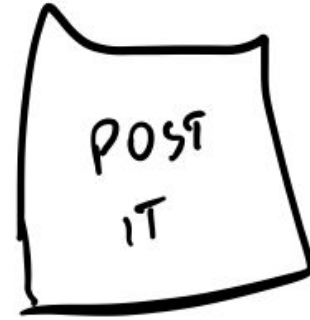
tastycupcakes.org



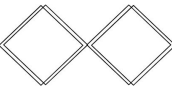
Sticky Reflection



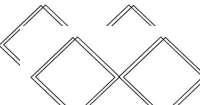
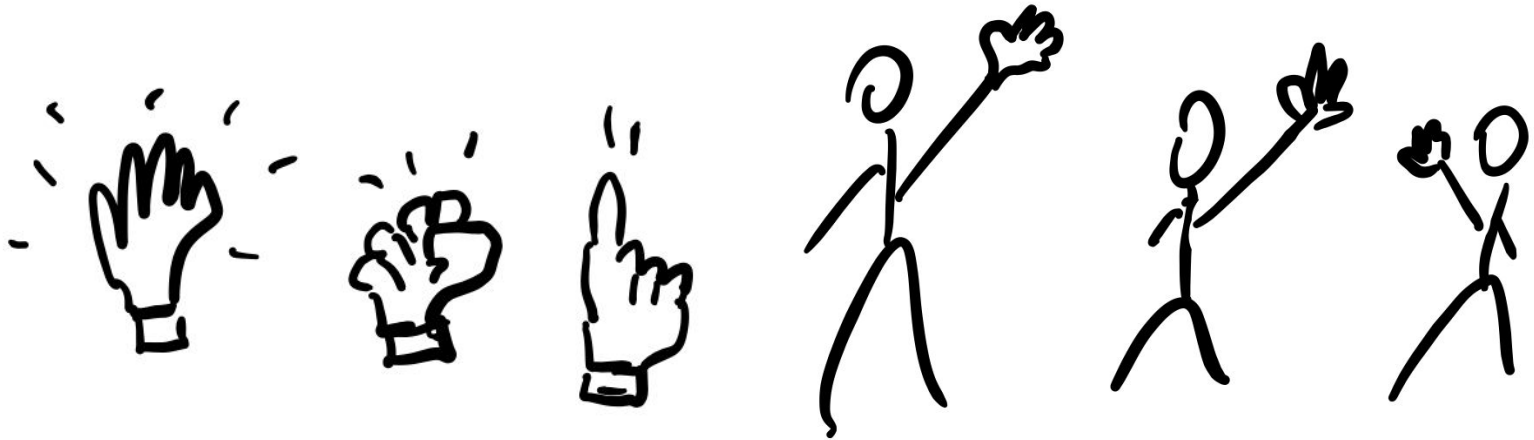
What have you learnt?



What would you improve?



Crowdy feedback



Thanks!



Play at your own risk!

