



People

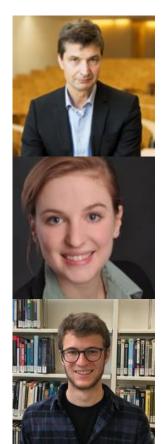
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Webinar series

- Part Ia: Run experiments with classEx
 January 20th 2021 4pm
 Recording available at classEx.de/webinars
- Part Ib: Experiments for teaching macroeconomics
 February 3rd 2021 4pm
 Additional topic webinars possible in the future
- Part II: Develop own experiments
 January 27th 2021 4pm
 Recording made available at classEx.de/webinars

All information can be found at classEx.de/webinars



Building own experiments



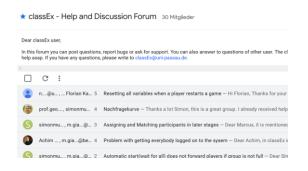


Resources



classEx Documentation

https://classEx.de/documentation Extensive documentation of classEx



Help and Discussion Forum

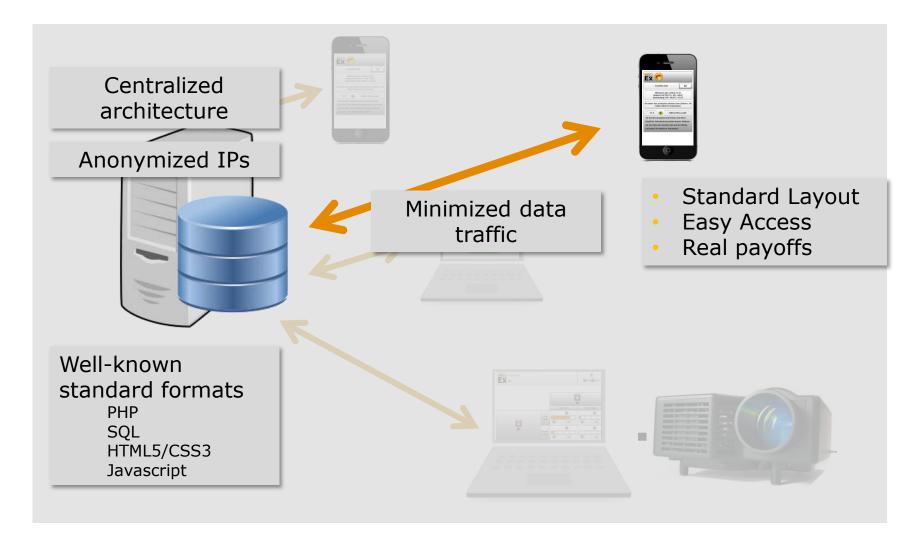
https://classEx.de/forum Google group for Q&A



Copy existing experiments

Ready-made games and repository in classEx

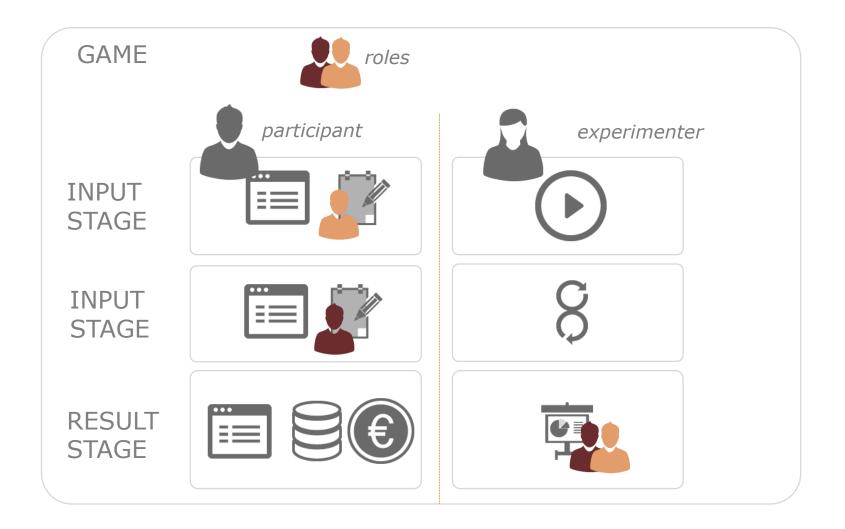
Architecture





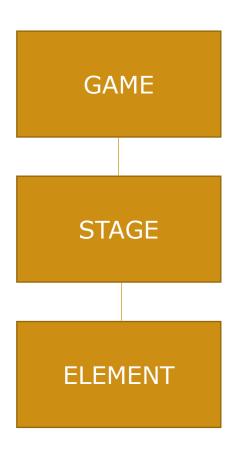
Game structure







Nomenclature





Element types

text box

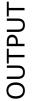




participant



experimenter



INPUT



Discrete choice Numeric input Text input Slider/Radioline Contracts



text box
Histogram
Pie Chart
Line Chart
Matrix



Discrete choice





Start button Automatic start



subjects program (PHP) Additional javascript



globals program (PHP)

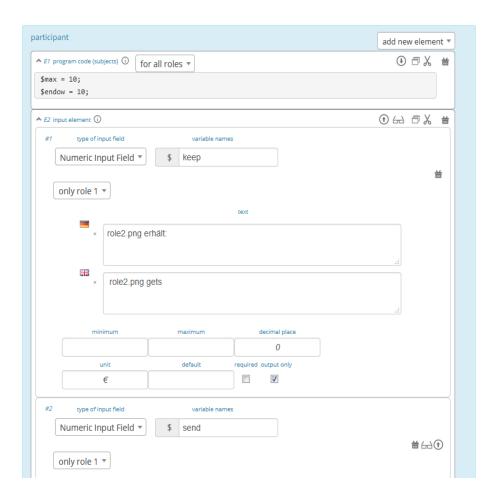
CONTROL

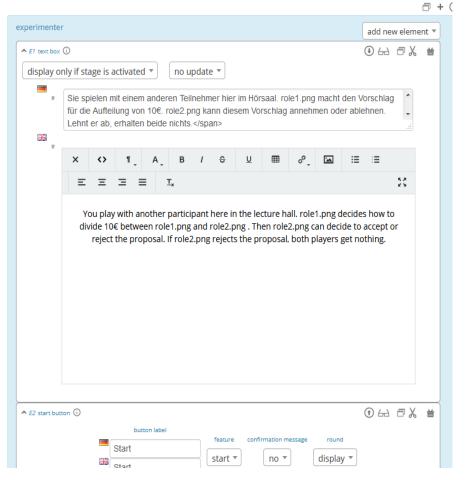


Backend system

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Start a stage

- Normally on each stage the lecturer has a start button.
 - Start button is on the stage which has to be started.
 - Result elements automatically have a start button.
- Automatic Forwarding also possible.
 - Forwarding by the lecturer (if possible/wait for all)

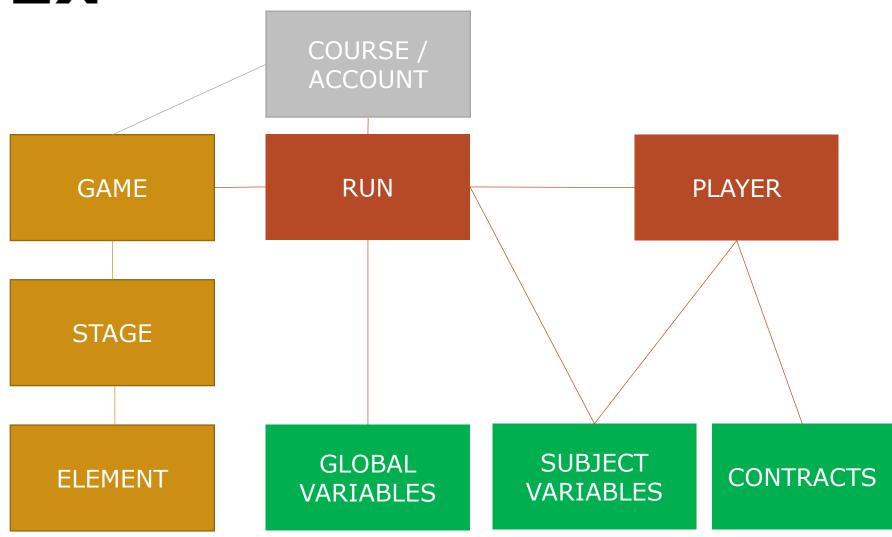
How many stages?

- Stages are, first of all, synchronisation points.
- All decisions have to be made before the next stage can be started.
- Stages can also be used for different screens.



Data model

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Stored decisions

VARIABLES

- Decisions are stored as subject variables (and available through the whole game).
- In a text box variables can be displayed with: \$variablename; e.g. You have chosen answer \$choice;.
- Program elements can be used to modify variables.
- Decisions (and globals) are stored automatically,
 Other variables have to be stored with
 \$save(",variablename", \$value);



Player IDs

- 3 type of player Ids
 - Internal unique playerID (all classEx, re-used)
 - Subject ID (unique in one game, 1-...)
 - External ID (ticket)
 - can be provided at login or via URL





Matching

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- On-the-fly
- First come first serve
- First stage of game
- Treatments
- Roles
- Groups



SUBJECT VARIABLES

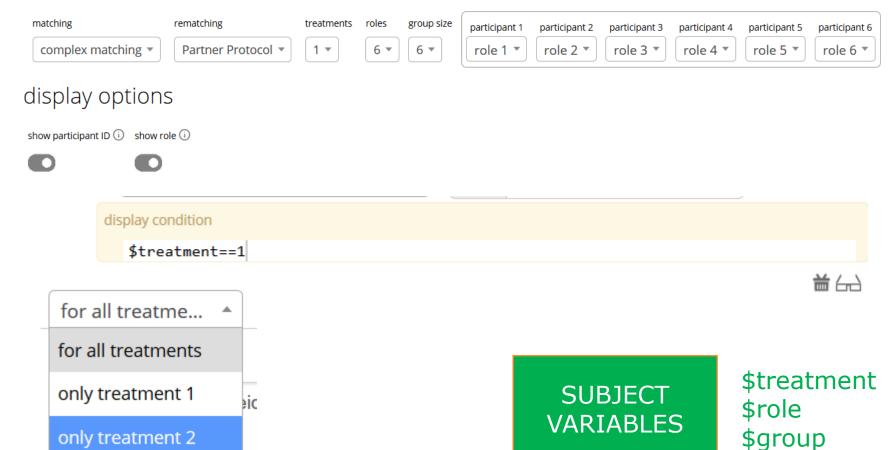
\$treatment \$role \$group



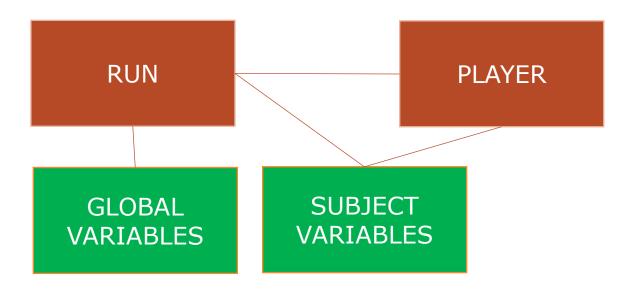
Matching

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matching



Variables



- Same namespace (overwriting!!)
- Global variables are written first and always available (same for each player)
- Subject variables are specific to player



Thanks for your attention!

More information can be found at classEx.de

For questions use the forum or email to classEx@uni-passau.de





