.

Trials per day \* day =<trials

Assign 3 random letters to each trial

**Yes**

Bild a dictionary per day

**No**

Generate code button

User input to treatment panel

Randomise codes and place number per day of there in each dictionary till there is none left

Valid input

Check input button

**Yes**

Bild file of trial and code

Build timetable from dictionary’s

Integer input

Integer input ?

**No no**

Do you want to save the unblinded table

Check input button

**Yes No**

Return: correct input

**Yes no**

Do you want to save the blinded timetabel

User input of days available

User input to control panel

**no**

**yes**

Valid input

**Yes**

Return to GUI

Check input button

input ok

Integer input

**No no**

Check input button

**Yes**

User input trails per day

Return: correct input

Trials <17576

Return: input ok

**Yes**

**No**

Return you have to many trials