Trials per day \* day =<trials?

Assign 3 random letters to each trial

**YES**

Build 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

Build file of trial and code

**YES**

Build timetable from dictionary’s

Integer input?

Integer input ?

**NO NO**

Do you want to save the unblinded codes?

Check input button

**YES**

Return: correct input

**YES NO**

Do you want to save the blinded timetable?

User input of days available

User input to control panel

**YES** **NO**

**YES**

Valid input

**YES**

**YES NO**

Correct input?

Check input button

**YES**

Integer input?

**NO NO**

Return to GUI

Check input button

**YES**

User input trails per day

Return: correct input

Trials <17576?

Return: input ok

**YES**

**NO**

Return you have too many trials