for each (participant) in file participants.txt set variable (possible conditions) as a list A, B, C set variable (conditions for participant) as an empty list as long as there are (possible conditions) set variable (condition) as a random value from (possible conditions) remove value (condition) from list (possible conditions) add value (condition) to list (conditions for participant) for (condition) in (conditions for participant) print Participant (participant) now experiences condition (condition) display the user interface for the (condition) condition to participant (participant) and wait for completion