

Algorithm:

Prompt user purchasing seats to answer a set of questions

1. Do you need to sit in an extra room seat
 2. Do you need to sit next to another person
- Etc.

Write additional functions based on those questions

Example:

seatExtraRoom(Person)

Identify the seats that are extra room available

Generate a random number between 1 and the number of extra seats available

Place person in random extra room seat

Depending on user answers place user in desired spots with an additional function

Example:

If #1 answer = "Yes"

seatExtraRoom(User)

If #1 answer = "No"

seatEconomy(User)

Description:

This algorithm would need to have additional cases and functions based on any potential ethical issues involved with seating on a plane. There are many but the one I specifically tackled was extra room economy seats. If a user requests extra room in their questionnaire they would then be placed in specifically in one of the economy seats in that offers extra room (like an emergency exit row).