Algorithm design draft ideas

The algorithm helps with allocating seats to passengers in a flight.

Seat passengers according to the ticket purchased. If the customer buys economy plus class, they can choose their seat based on the available seats. If the customer buys basic economy, a random seat will be assigned to them.

Seat passengers starting from the left to right, fill aisle seats followed by window seats and then center seats.

The program will consist of a 2D array that represents the rows and columns.

Note: Approximately 15% of the seats should be available when passengers check in so that families with multiple members or children can be accommodated and some seats will be shifted around.