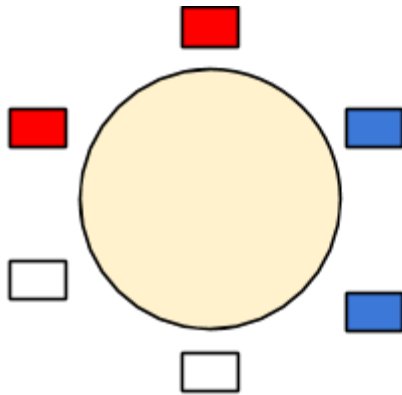
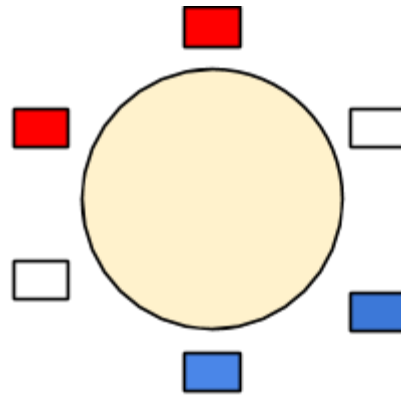


Assumptions:

1. Number of people per group start from 2, that means don't consider single customer.
2. When allocating small group into large table, asked to sit close each other.



This is the way allowing small groups into large table.



This is not allowed, which cannot allocate remain vacant seats.



Empty seat



Same color, same group

3. Demand for large table is always higher than small table.  
Ex: 2 seats available in table of 6 seater and 5 seater. Group of 2 is allocate in to table of 5 seater.
4. Demand for empty seat is higher than table size.  
Ex: 2 seats available in table of 6 seater and 3 seats in table of 5 seater. Group of 2 is allocate in to table of 6 seater.

Todo:

- Currently table allocation data is keeping on memory. Once application close or crash data will lost. Need to work on it and keep safe data like put into disk.