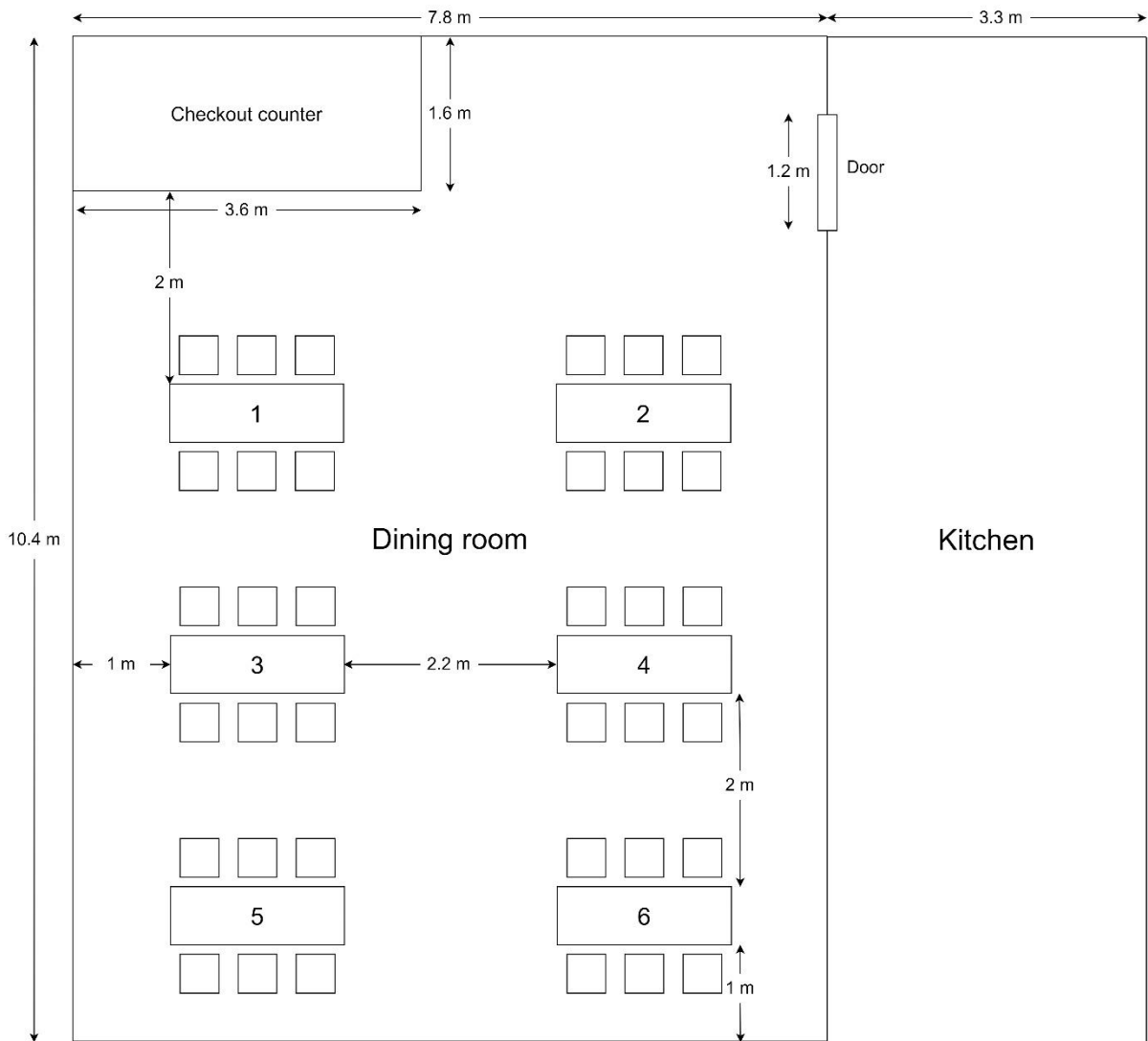


# Use case of optimization of energy and serving time for Sevibot:



1. The kitchen staff puts the first dish on the tray and determines the corresponding table (same goes for the next dishes)		
2. Robot initiates timer (2 minutes)		
3.1. Not enough 3 dishes and timer finishes counting	3.2. There are 3 dishes to put in 3 trays	3.3 The kitchen staff presses “Start” button
4. Robot comes from the kitchen to the dining room		
5. Robot stops at the nearest table in the order list		
6. Robot initiates a timer to wait for guests to take the dishes (30s)		

7.1. The dishes are taken	7.2. The dishes are not taken and timer finishes counting
8.1.1. There still exists table(s) need serving	8.2.1. There are not any tables need serving
8.1.2. Robot moves and serves the next nearest table in the order list	
9. Robot goes back to the kitchen	

Additional function:

- There is a button to command the robot to go back to the kitchen immediately
- Warn the kitchen staff when the robot is not able to move (switch to manually control mode)