

Customer	
Responsibilities	Collaborators
<p>Customer knows its name.</p> <p>Customer knows its cell phone #.</p> <p>Customer knows number of people in their party (party size).</p> <p>Customer will sign up on waitlist of a restaurant via their cell phones.</p> <p>Customer provides details as Name, Cell Phone# and Party size.</p> <p>Customer confirms or leaves available table in waitlist replying via message.</p>	Waitlist

Waitlist	
Responsibilities	Collaborators
<p>Waitlist knows the order of customers in the waitlist and their corresponding Name, Cell Phone# and Party size.</p> <p>Adds the customer to the waitlist when customer signs up on it via Cell Phone#.</p> <p>Removes the customer from the waitlist when customer confirms or leaves available table.</p>	Customer

Table	
Responsibilities	Collaborators
<p>Table knows the total number of tables in a restaurant.</p> <p>Table knows the size of each table (number of seats per table) in restaurant.</p> <p>Table maintains state of all tables whether it is occupied or available.</p>	

TableManager	
Responsibilities	Collaborators
<p>TableManager keeps the track of available table along with its size (number of seats).</p> <p>TableManager Notifies WaitlistHandler as soon as table becomes available along with its size (number of seats with table).</p> <p>If TableManager receives “Confirm” message from WaitlistHandler” updates the state of available table to occupied.</p>	<p>Table</p> <p>WaitlistHandler</p>

WaitlistHandler	
Responsibilities	Collaborators
<p>If notified by TableManager, WaitlistHandler will check the table size of available table.</p> <p>If the available table size is less than or equal to Customer's party size present at front in waitlist, it will send "Table ready" message to their registered cell phone# to "Confirm" or "Leave" table.</p> <p>If customer confirms the table by replying "Confirm", waitlist handler notifies TableManager.</p> <p>If the available table size is greater than Customer's party size present at front in the waitlist, it will skip that Customer and goes to next customer in waitlist and repeat the above 2 steps again.</p> <p>If customer leaves the table by replying "Leave", WaitlistHandler will give the available table to next customer in the waitlist who can accommodate (available table size is less than or equal to Customer's party size) the table by sending message.</p>	<p>Waitlist</p> <p>TableManager</p> <p>Customer</p>