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| --- | --- |
| Use Case 1 | Bartender Giving order to robot |
| Actors | Bartender, robot, client |
| Use Case Overview | When a client makes an order. The robot waits for the barman to make the order and gets it to the client. |
| Subject Area | Bar, Café |
| Trigger 1 | There is an order waiting |
| Precondition | There is an active order waiting |
| Post condition | The order is on its way to the client |

# Use Case Scenario – Bartender Giving order to robot

## Basic Flow: Giving the order

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| --- | --- |
| Description | This scenario describes the bartender giving the order to the robot |
| 1 | Robot is waiting in idle position to receive order. |
| 2 | Bartender sets up order on a tray. |
| 3 | Bartender puts order in robot |
| 4 | Bartender tells robot the order is ready via his computer |
| 5 | Robot sets off to deliver orders |

## Alternative flows

### Alternative Flow 2A: Bartender gives robot multiple orders

|  |  |
| --- | --- |
| Description | This scenario describes the situation when the bartender gives multiple order to the robot |
| 2B1 | Bartender puts first order in robot |
| 2B2 | Bartender tells robot to open next level of tray carrier |
| 2B3 | Robot opens next level of tray carrier |
| 2B4 | Bartender puts next order in robot |
| 2B5 | Bartender assigns additional orders to robot |
| 2B6 | Robot sets off to serve his orders |
| Termination outcome (post condition or return to basic flow condition) | Robot delivers each order one-by-one to the clients defined by the bartender |

### Alternative Flow 3A: Robot is out of space for order

|  |  |
| --- | --- |
| Description | This scenario describes the situation when the order takes more space than the robot has |
| 3A1 | Bartender puts what he can in robot |
| 3A2 | Bartender tells robot that the order is not ready, and it should return |
| 3A3 | Robot sets off to serve his orders |
| 3A4 | Repeat from 3A1 until order is served |
| Termination outcome (post condition or return to basic flow condition) | Robot delivers the order with as many courses it will require. |

## Use Case Flow – Robot Navigation

