# Use Case Scenario – Robot's battery is low

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| Use Case 1 | Robot giving order to client |
| Actors | bartender, robot |
| Use Case Overview | When a robot’s battery is low it must notify the bartender, if critical it must wait for a replacement at designated area. |
| Subject Area | Bar, Cafe |
| Trigger 1 | The robot’s battery drops below 20% |
| Precondition | Robots battery is above 20%, The robot is idle |
| Post condition | The robot’s battery is above 20% |

## Basic Flow: Robot’s battery is low

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| Description | Ideal situation |
| 1 | Robot notifies bartender that battery is low. |
| 2 | Robot goes to “idle” position. |
| 3 | Robot reminds waiter that the battery is low. |
| 4 | Bartender changes robot’s batteries. |

## Alternate flow 2A: not idle when battery drops below 20%

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| Description | Robot is busy during the trigger |
| 2A1 | Robot notifies bartender that battery is low. |
| 2A2 | Robot Finishes Task. |
| 2A3 | Return to basic Flow 2 |

## Alternate flow 2A: battery not changed when battery drops below 10%

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| Description |  |
| 1 | Robot notifies bartender that battery is critically low. |
| 2 | Robot goes to “idle” position |
| 2 | Robot refuses to do new tasks until battery is changed. |
| 3 | Bartender changes batteries |

## Use Case Flow – Robot battery is low

