Use Case Vignette: Item Pick-Up
Description:
The TurtleBot drives to a target location to pick up an item. After a successful pick-up, it drives back to the initial location.
Primary Actor: TurtleBot Operator
Trigger: The TurtleBot Operator activates the mission.

Main Success Scenario:
1. **The TurtleBot is activated and starts up.**
   [rule PR-1: pre setup]
2. **The TurtleBot calibrates its sensors and lidar unit.**
   [rule PR-2: calibrating]
3. **The TurtleBot is calibrated and ready to receive commands.**
   [rule PR-3: ready for mission]
4. **The TurtleBot receives the target location.**
   [rule PR-4: home zone]
5. **The TurtleBot leaves the home zone and drives to the target location.**
   [rule PR-5: travel to target]
6. **The TurtleBot enters target area.**
   [rule PR-6: enter target zone]
7. **The TurtleBot arrives at the target pickup location.**
   [rule PR-7: target reached]
8. **The TurtleBot waits for 30s for the pick-up activity to be completed.**
   [rule PR-8: pick-up item]
9. **The TurtleBot drives back to the initial location.**
   [rule PR-9: return to home]