

# Activity 1: Output Scenario Design

## Instructions

Imagine you're designing a robot that must respond to three different scenarios. For each scenario below, outline what output responses would be appropriate, considering both functional requirements and human understanding of the robot's status.



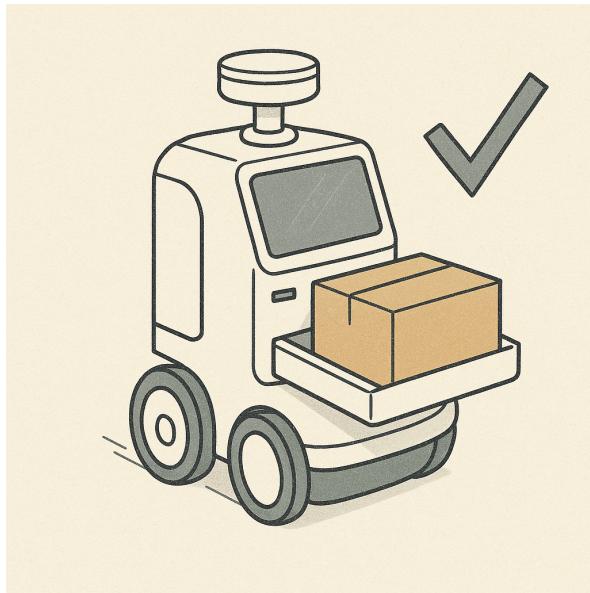
OpenAI. (2025). Robot Encounters Unexpected Obstacle. Dall-E.

### Scenario 1: Encountering an Unexpected Obstacle

Visual outputs: \_\_\_\_\_

Audio outputs: \_\_\_\_\_

Tactile/Other outputs: \_\_\_\_\_



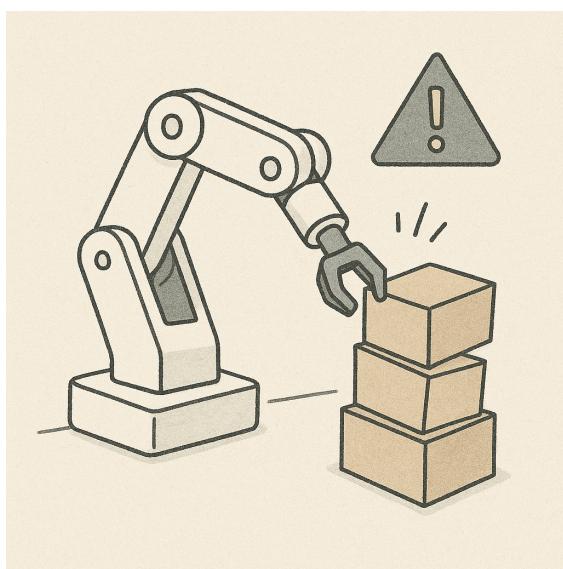
OpenAI. (2025). Robot Successfully Completes Delivery. Dall-E.

### Scenario 2: Successfully Completing a Designated Task

Visual outputs: \_\_\_\_\_

Audio outputs: \_\_\_\_\_

Tactile/Other outputs: \_\_\_\_\_



OpenAI. (2025). Robot Detects Safety Hazard. Dall-E.

### Scenario 3: Detecting a Potential Safety Hazard

Visual outputs: \_\_\_\_\_

Audio outputs: \_\_\_\_\_

Tactile/Other outputs: \_\_\_\_\_

### Reflection Questions

1. Which output methods would be most effective for each scenario and why?
2. How might your output choices change depending on the environment (home, factory, hospital, etc.)?
3. How would you adjust these outputs for users with different needs (children, elderly, people with disabilities)?