

A misplaced pot, then a recovery

BEHAVIOR | Injected placement failure | Merom_1

Instruction: Place the plant pot in the bottom cabinet. Make sure it is actually placed correctly before you stop.

01 Approach and grasp

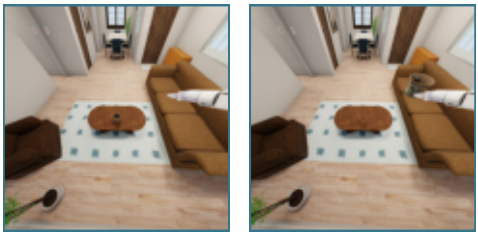
01 Navigate to the plant pot

MULTI-FRAME · 4 selected / 15 frames



02 Pick up the plant pot

Before After



02 Reach and open the destination

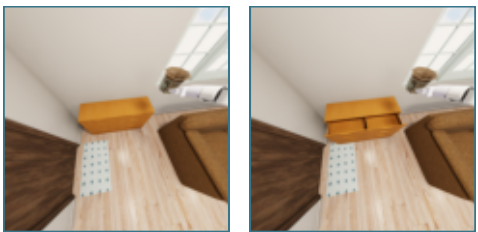
03 Navigate to the cabinet

MULTI-FRAME · 4 selected / 15 frames



04 Open the cabinet

Before After

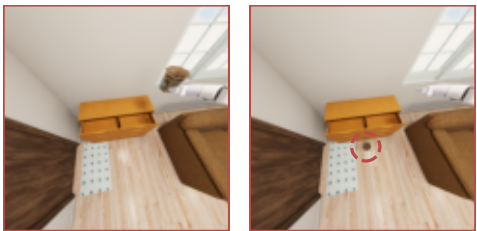


... Step 05 omitted: navigate to the cabinet before placement.

03 Detect the failure and recover

06 Place pot in the cabinet

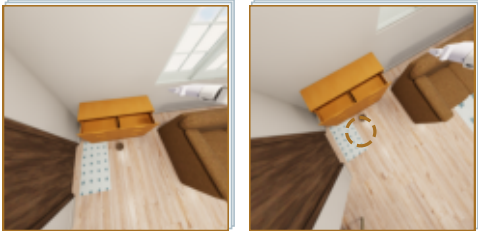
Before After



FAILURE
pot falls beside the cabinet

07 Look for the plant pot

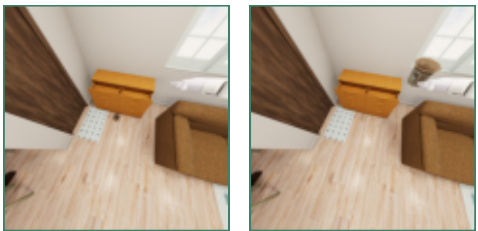
MULTI-FRAME · 2 selected / 5 frames



OBSERVE
the pot is on the floor

09 Pick up the plant pot

Before After



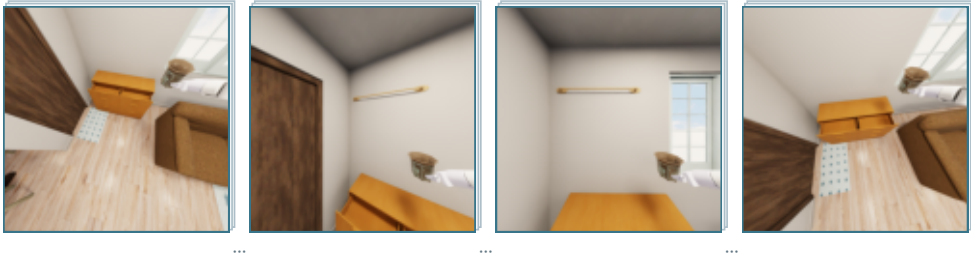
RECOVER
retrieve the fallen pot

... Step 08 omitted: navigate to the fallen pot before picking it up.

04 Return and complete the placement

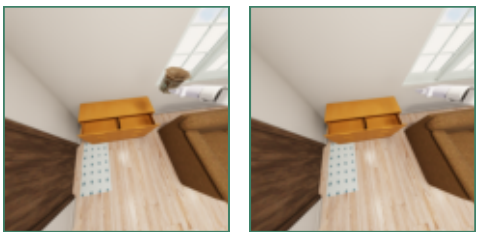
10 Navigate to the cabinet

MULTI-FRAME · 4 selected / 15 frames



11 Place pot in the cabinet

Before After



SUCCESS
placement completed

Stacked borders + dots: selected frames from a longer observation sequence.

Step numbers follow the execution trace. Frames are uncropped; dashed rings mark the fallen pot.