Action Strategy Outline

1. Show robot the object
2. Robot begins mapping process
3. Builds map w/obstacles
4. Begin search process for object
5. If cannot find object, change position (using map and trajectory) and try again
6. Loop 4-6 until recognize object
7. Begin trajectory/pathfinding toward object
8. Move according to the path
9. Stop within 30cm of object
10. Send signal, sound alarm

Search process:
1. Spin until recognition or 360
2. Take note of where robot has looked (mapping)
3. Move behind obstacle/to somewhere it hasn't looked (trajectory)
4. Repeat 1-3 until find object