

Human Robot Interaction - User Story 1



Jones enters his workspace in the assembly room, where he has been testing the latest assistant robot, called Pax. The robot has been doing assemblies by himself all night, and detects that Jones is in the room now.

- Good morning Jones . utters he robot

- Morning Pax!

The robot is capable of making small talk, so Jones can feel free to converse a little if he feels like it today. Instead, Jones heads straight for work, he's had a long weekend, so he doesn't remember how assembly 00126 looks like anymore.

- Pax, show me how to build 00126 please.

- Sure, check your screen.

The robot shows Jones the assembly with all the parts required listed just like a schematic would.

- Good. Can you build one please? -requests Jones

- Sure

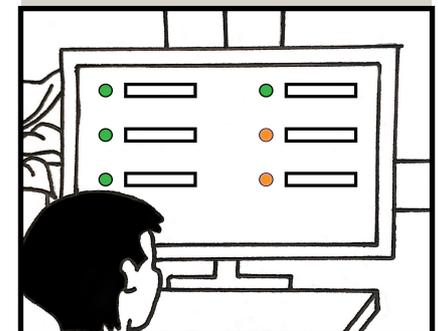
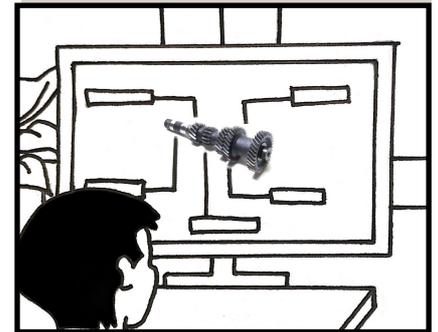
Pax changes the screen to display a list of the pieces he needs, color-coded with

-*green* if they are present and reachable,

-*orange* if they are present but unreachable, and

-*red* if they are neither of those two.

Now Pax has reached a point in the assembly where he needs two parts listed orange.



- Jones, could you please bring those two pieces a little closer to me? says the robot pointing at the required pieces.

Jones brings them and the parts change colour on the screen from orange to green.

- Thank you! says the robot, before continuing the assembly. Jones is doing his own work in the mean time.

- I've built it now. -reports Pax.

Jones inspects the assembly, and fully remembers how it was to build it now.

- Can you build me four more of these please? -requests Jones

- Sure. -confirms the robot.

Jones goes back to doing his work and some time passes, now Jones notices that Pax is about to complete the previous task. And he would like help finishing what Jones was building, since he has to leave the room briefly.

- Pax, can you finish this assembly? It's a 078 build.

Pax briefly checks what has already been built, and makes a list of the missing parts. Which he displays colour coded on the

screen as before. There is a part marked red.

- I need one part to complete this assembly. -Pax informs.

Jones finds the part, which was occluded, and brings it to the work table.

- Thank you

Now Jones leaves the room and Pax starts the new work. Since there is nobody in the room, Pax will not speak when it's done. But rather outputs on the screen a message in green that simply states:

-DONE-

