



Robots in Action

GRASPS (Design Scenario)

Goal - You will design a robot prototype with 3D software. The intended function of the final robot is to help people in the neighborhoods of Lima, Peru. You will also create a presentation about the robot and its service capabilities within a Lima community.

Role - You are a futurist and visual designer hired by the city of Lima to ultimately create a culturally relevant and empathetic robot prototype to help people in Lima, Peru. Some examples of the areas of service are elderly care, social buddy, K-12 education, community building, medical services, transportation services, health and wellness, infrastructure maintenance, traffic management, search & rescue, entertainment, job training, etc.

Audience - Your immediate client is the city government of Lima. Your eventual audience are the residents of a Lima neighborhood.

Situation - The city of Lima's mission is to help its citizens thrive, and robots are part of the plan. Regardless of people's perceptions, modern robots are coming to Lima! But to do what? How will they help people? Will they function as aides, companions, friends, co-workers, lawyers, authority figures, schoolmates, counselors, or... something or someone else? You will design Lima's first robot prototype to work with a small or large population of people and create informational material that explains the robot's role and function in the community.

Product - You will create a digital 3D robot prototype and a corresponding presentation to explain its essential functions.

Standards/Criteria - Your digital robot prototype shall:

- look humanoid
- look like its primary purpose (e.g., elderly caretaker, pet care provider, social companion, etc.)
- incorporate aspects of Peru's Cultura Chicha for community integration
- base its service function(s) on empathy