

Ideas

Idea 1

In a healthcare setup, a companion robot that can entertain and keep the kids occupied while in the waiting room for the adult.

Visual appeal should be good enough for kids 🤖

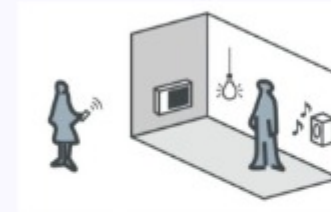
Ability to adjust games on amount and age of participants

Should be entertaining and relatable to kids

Cartoonish voices and dialogues



Cognitive Walkthrough



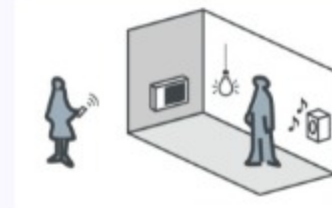
Wizard Of Oz

Facial Expressions

Emergency alerts to trusted contacts

simulate an average personality of the region

Talk to user using speech from the 60s/70s era



Wizard Of Oz



Cognitive Walkthrough

Idea 3

ROSE can safely transport items from one place to another autonomously.

Storage capacity

Safety of the items and goods

End effectors with gripping capabilities

Facial Expressions



Bull's-eye Diagramming or MoSCoW



Stakeholder Mapping

Requirements

Methods

Functional Blocks

Mobility

Navigation & Moving to specific location

LIDAR & vision sensors

Able to hold items (up to 3 KG without end-effector)

Visual Sensing

Face detection

Detect voices and commands

Sense environmental features

Communication

Talk to user using speech

Visual feedback (LEDs, screen expressions)

Understands yes or no

Can be remote controlled

Safety

Fall detection + Unusual behavior

Emergency alerts to trusted contacts

Scheduled Patrols