

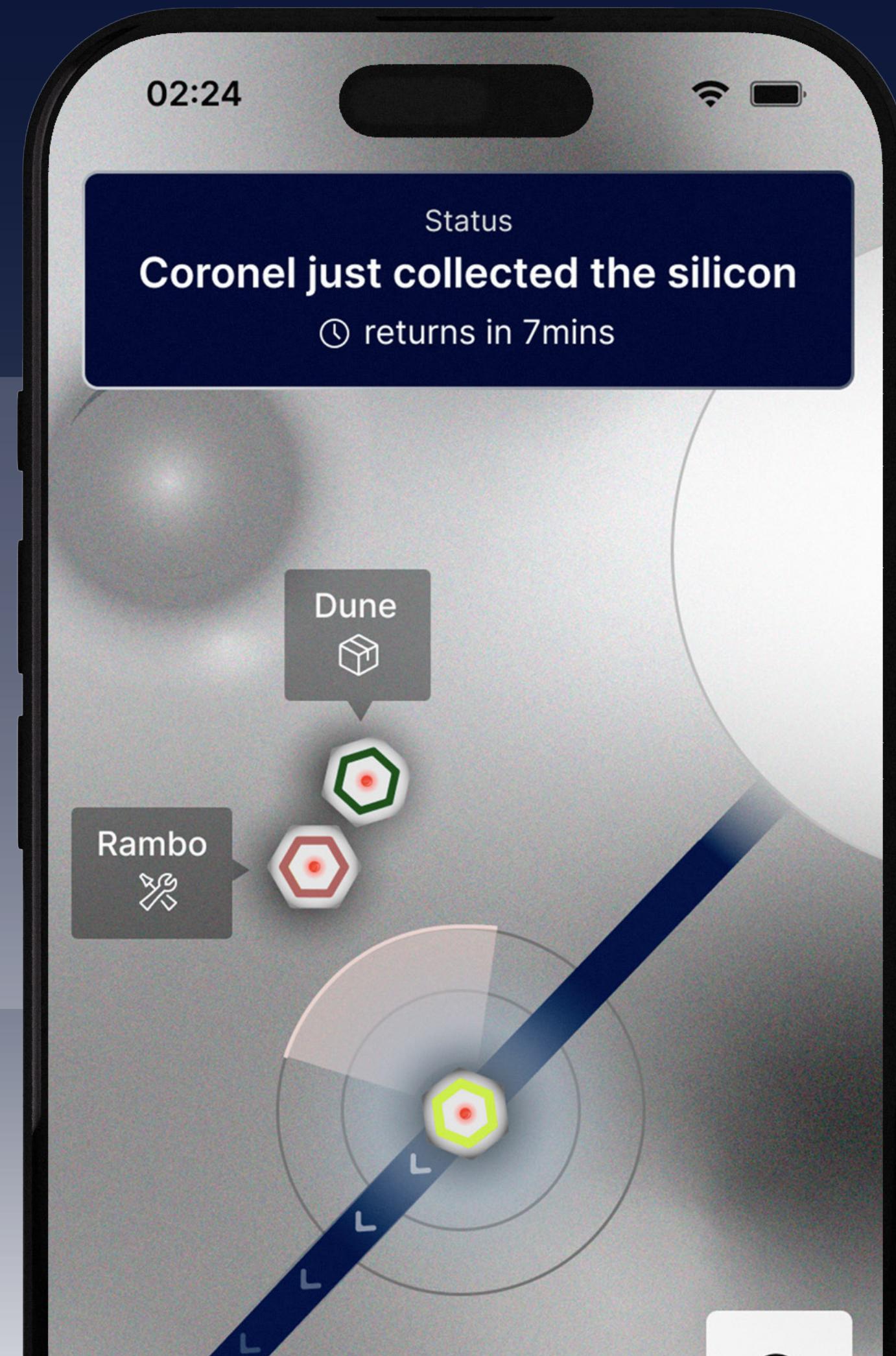
Hexabot

An app to help lunar pioneers manage their Hexabots

UX/UI challenge
15 - 18 February'25

In a parallel universe, humanity has been establishing settlements on the Moon for the better part of a decade and everyday life would be impossible without Hexabots - multi-purpose robots. The challenge was to create an app to help lunar pioneers manage these Hexabots **in an effortless and efficient manner.**

Deliverables: Wireflow (max. 12 screens) | 3 high-fidelity screens



The **insights** that set the stage

65%

of users assign new tasks in **response to urgent needs**

Users **are often multitasking**, they need efficiency

Not all users are technical experts, the interactions need to be **as simple as possible**

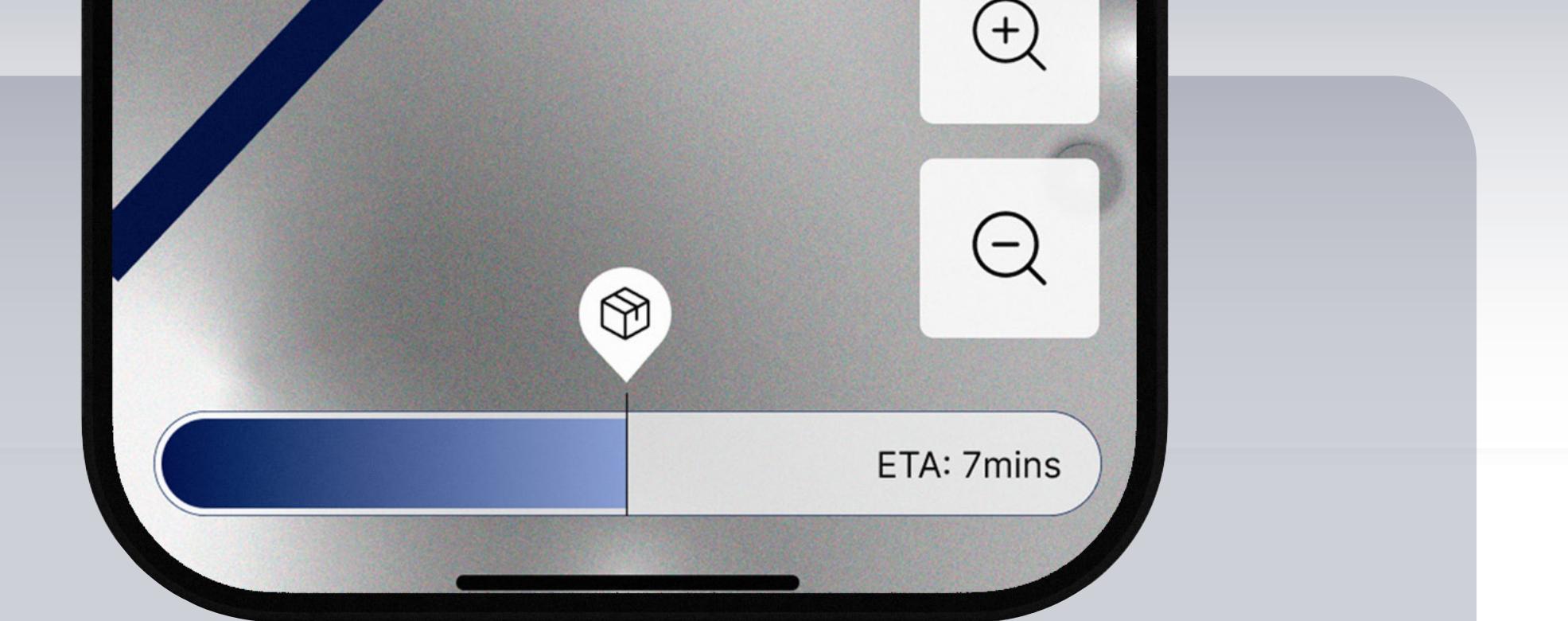
They operate in challenging conditions **with limited dexterity**

7-10 times

a day users **check the status of their Hexabots** to ensure tasks are progressing as planned

A mission on the moon **Jim's task**

Jim and his research team are working on a prototype turbine using a silicon 3D printer. However, they lack the specific materials and Jim needs to **quickly ensure that a hexabot is tasked with gathering the necessary resources**.



User's preferences

Voice-commands

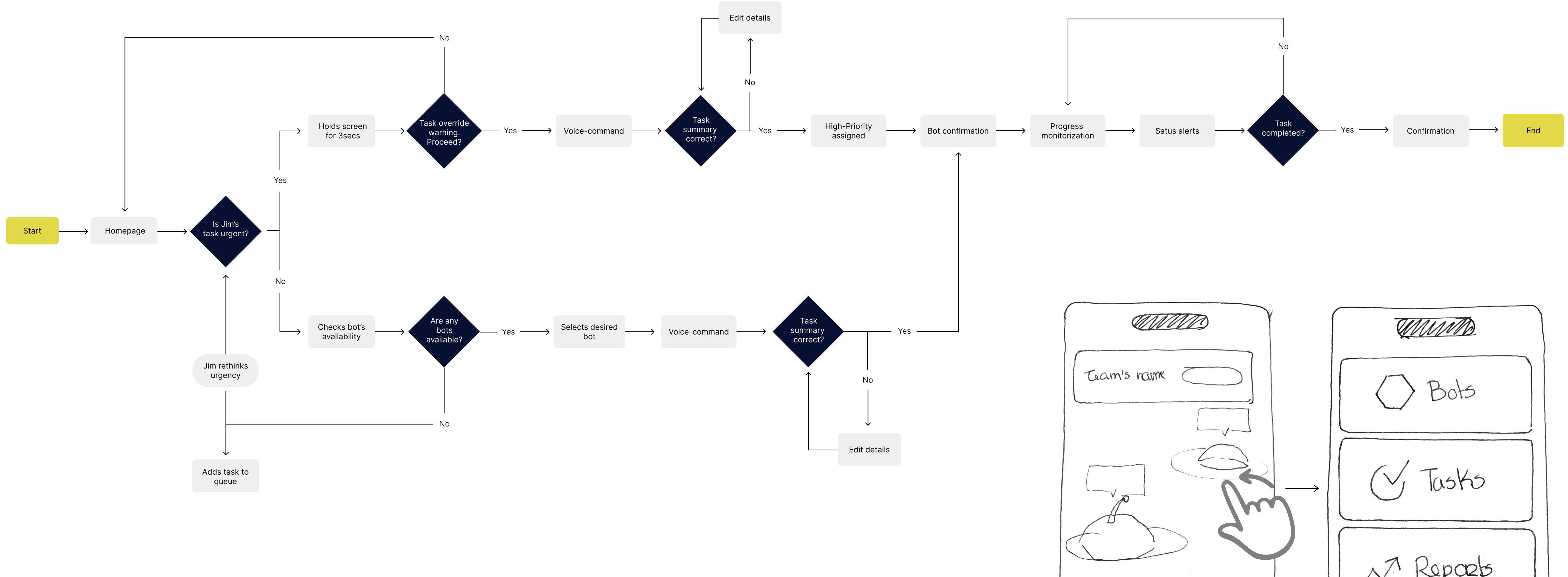
Interest in hands-free control

Personalization

Interest in naming and customize bots

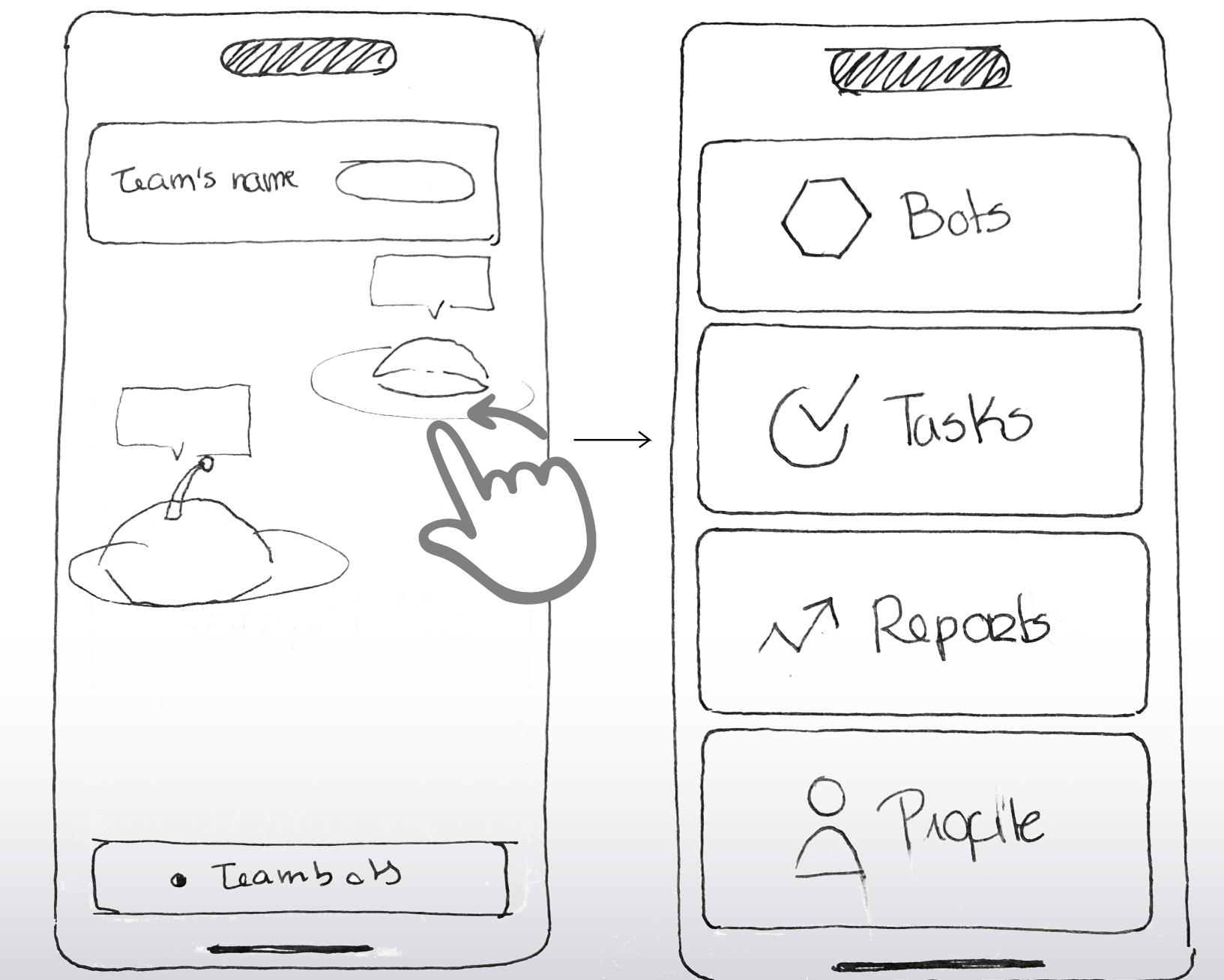
Clear task allocation

Since time was the biggest constraint (3 days), my game plan was to **define the task flowchart**, **sketch the twelve chosen screens**, build the wireflow, and bring those three screens to life.



Designed for enhanced accessibility in low-dexterity environments, **the navigation menu features larger, easy-to-tap buttons** instead of a traditional compact layout.

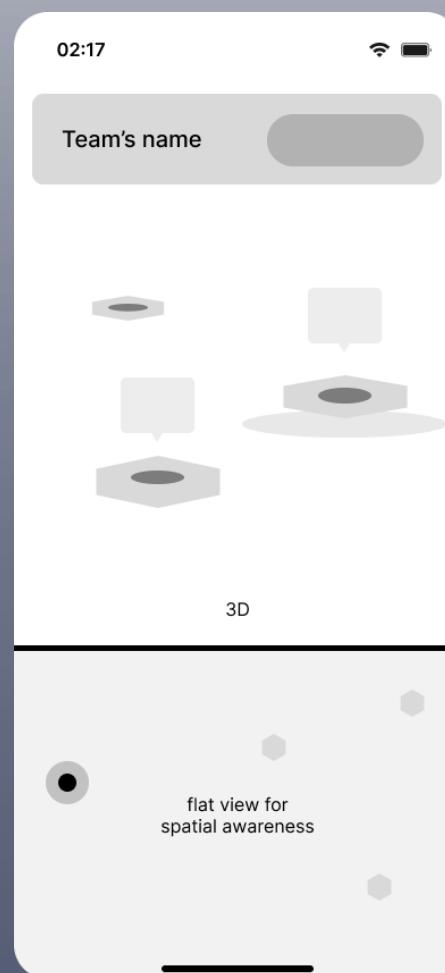
Gesture interactions are also prioritized for quick actions - swiping left near the edges opens the menu, swiping right returns to the previous screen, dragging in the center adjusts the map view, and holding the screen for three seconds activates the urgent request feature.



As Jim opens the app he sees all bots are busy - except one with a blinking orange light, signaling it's almost done.

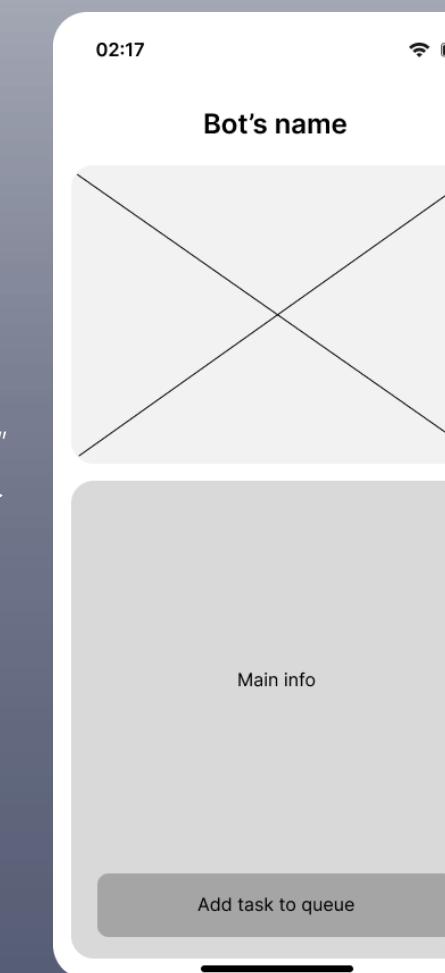


Homepage



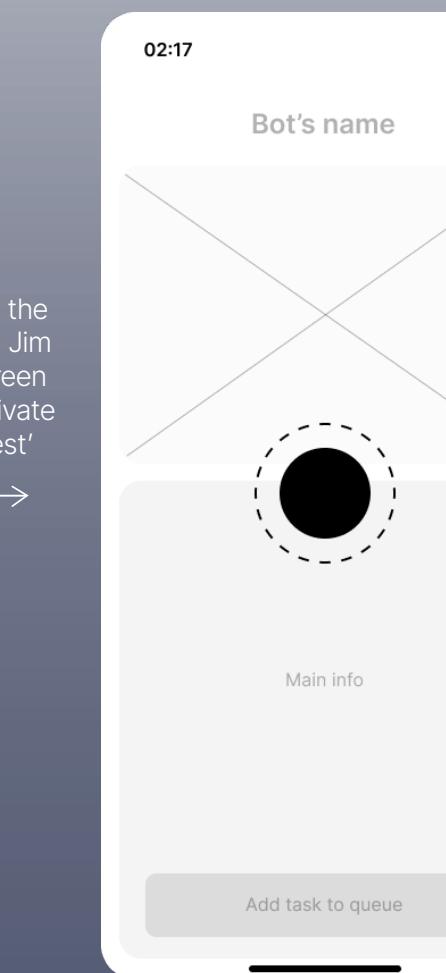
Jim asks to close up on his area

Homepage - Zoom Area



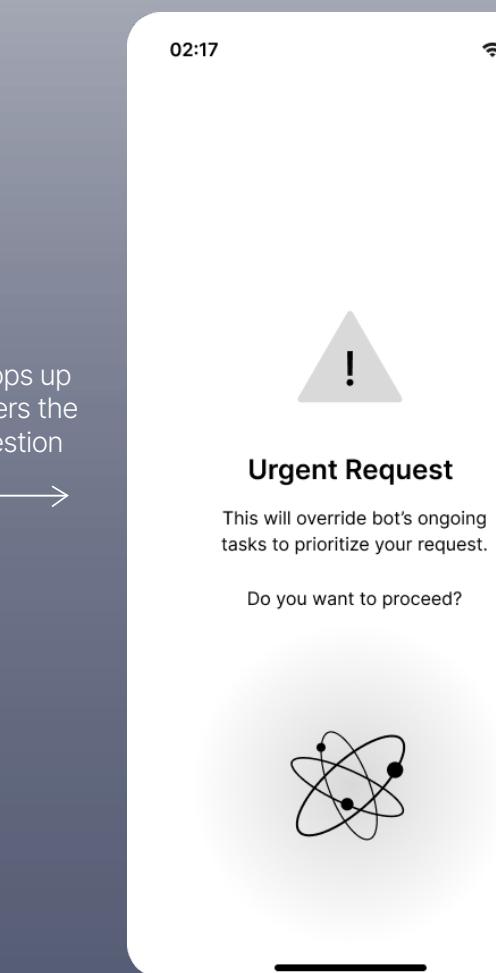
Jim can tap the bot or say "show me Thank's status"

Bot's details



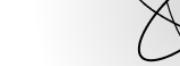
Since he needs the materials ASAP, Jim presses the screen for 3secs to activate 'Urgent Request'

Gesture

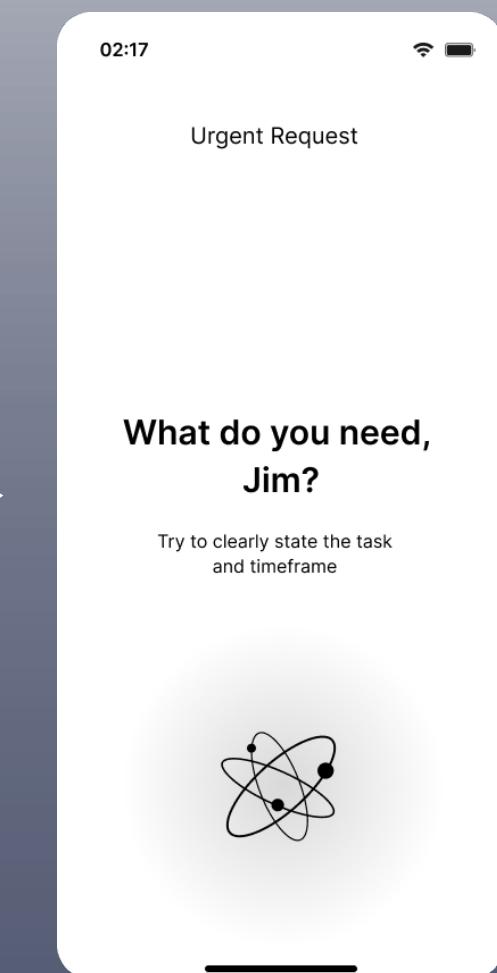


A warning pops up reminding users the override question

Urgent Request
This will override bot's ongoing tasks to prioritize your request.
Do you want to proceed?



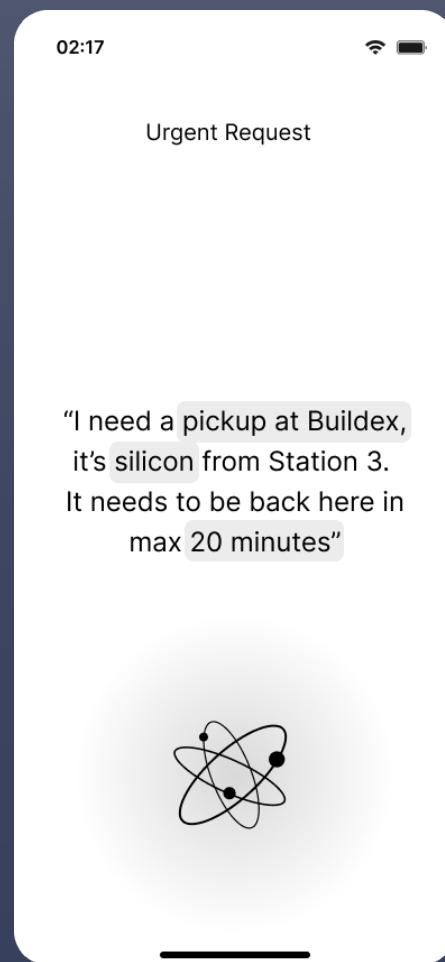
Override Warning



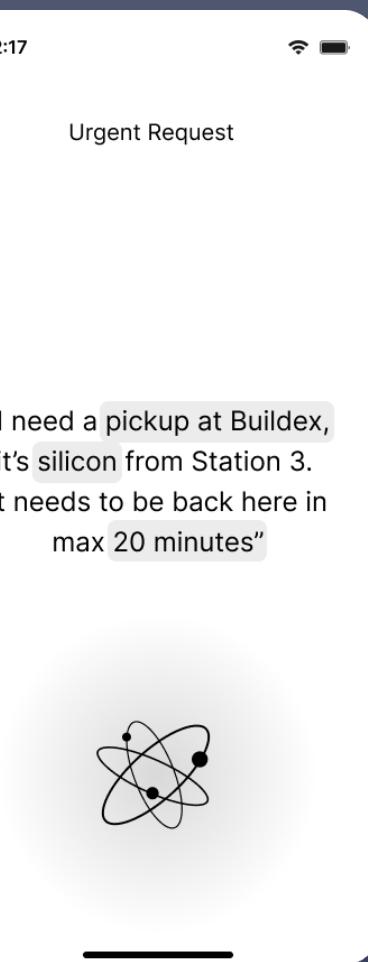
Urgent Request
What do you need, Jim?
Try to clearly state the task and timeframe



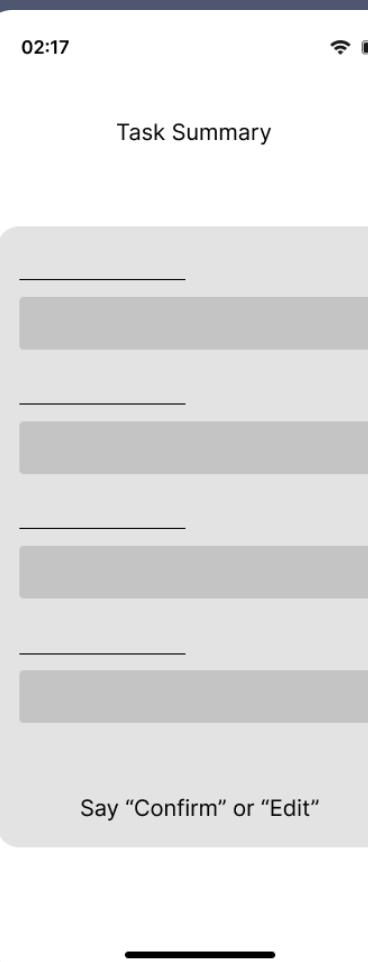
Prompt



By voice-command, Jim states the request



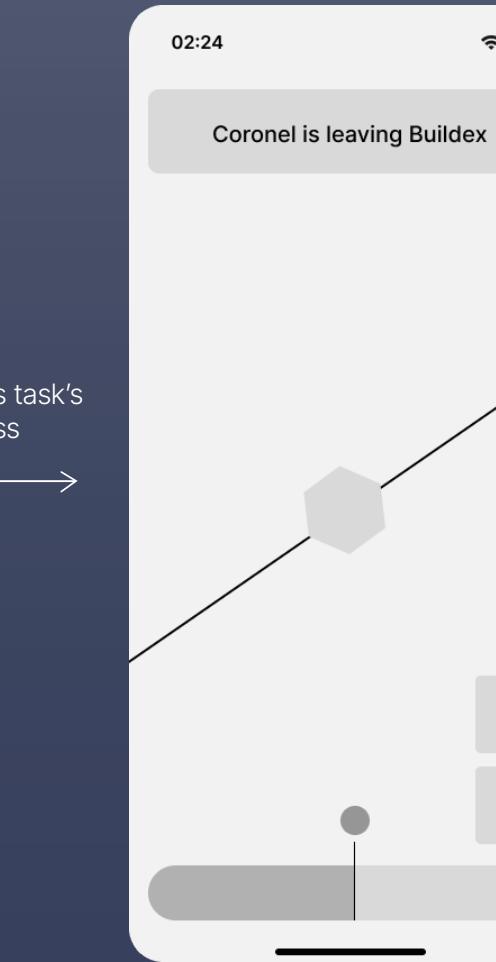
Task summary appears so Jim can confirm all info was correctly understood



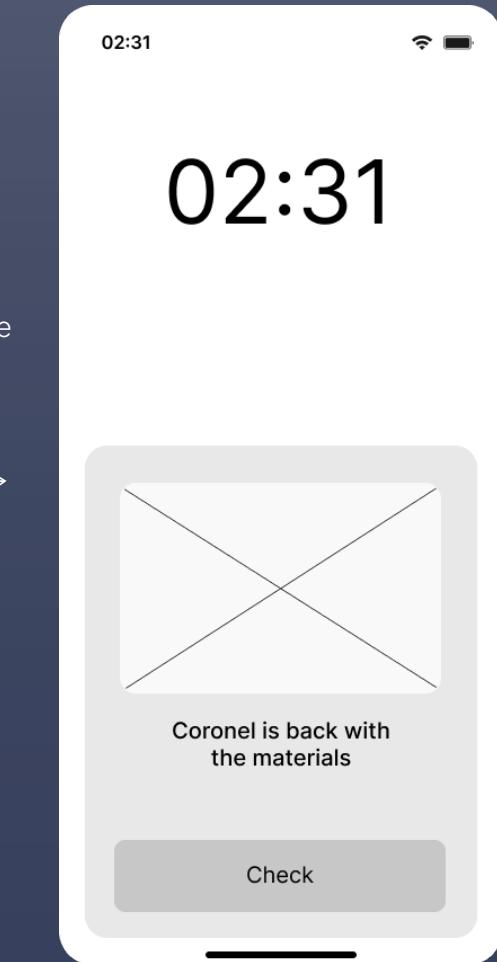
App selects the best bot by considering its proximity and the complexity of its ongoing task



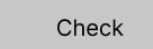
Jim monitors task's progress



When task is completed, a voice and on-screen notification appears



Coronel is back with the materials



Notification

Next stop: II

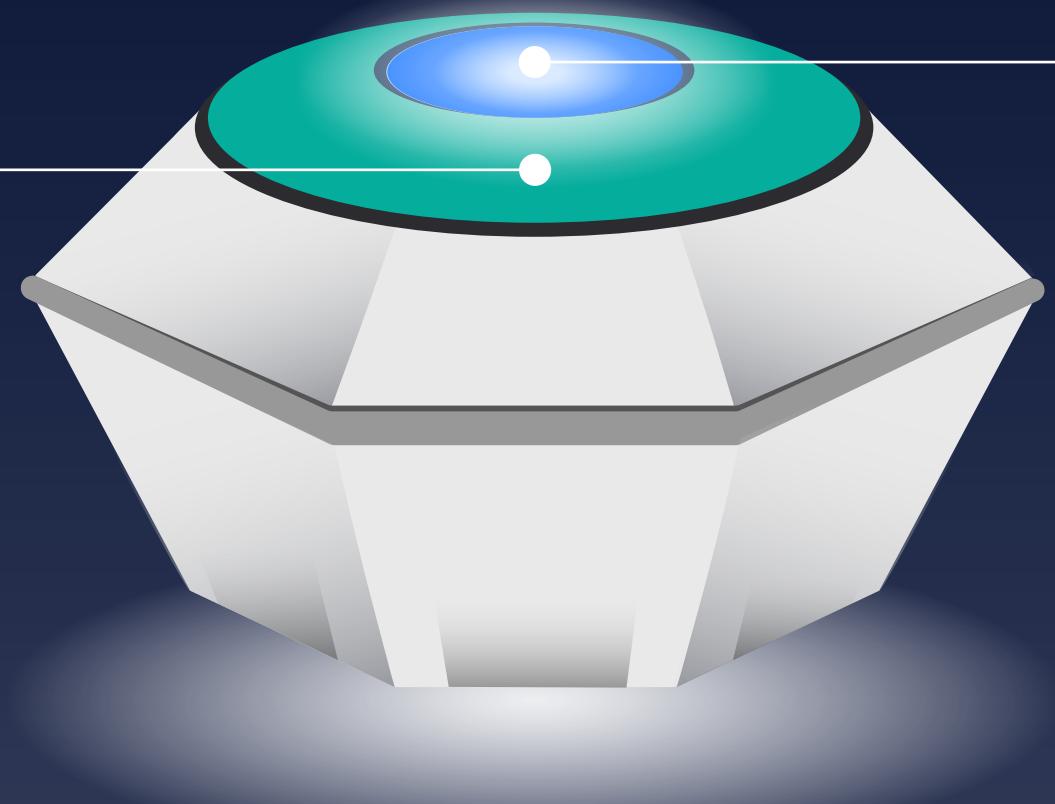
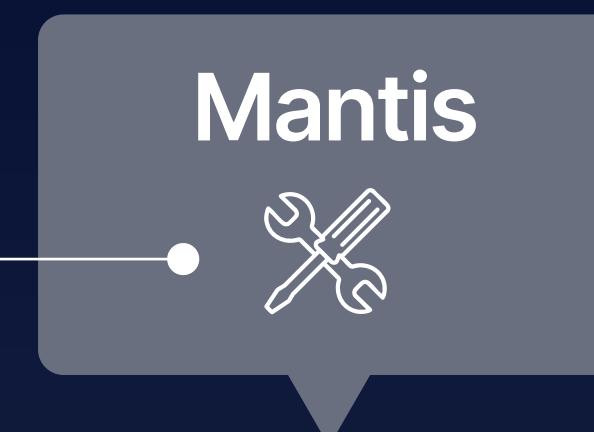
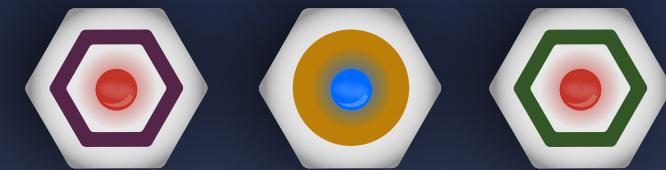
NEXT STOP: THE MOON



Current Function

Distinction

To improve bot identification, each Hexabot features a customizable strip, allowing for quick visual distinction - even in shared work areas



Availability

To help Jim instantly check bot availability, a status light is positioned at the top

Busy Almost done Available

