

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



User's preferences

Voice-commands

Interest in hands-free control

Personalization

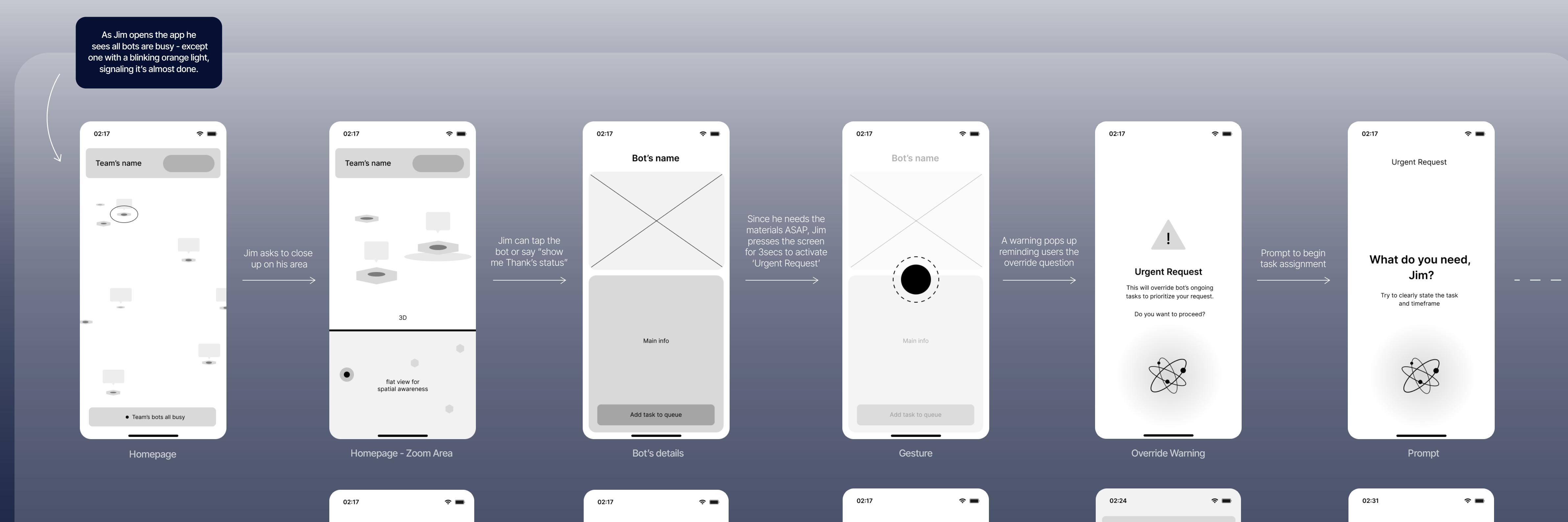
Interest in naming and customize bots

Clear task allocation

A mission on the moon Jim's task

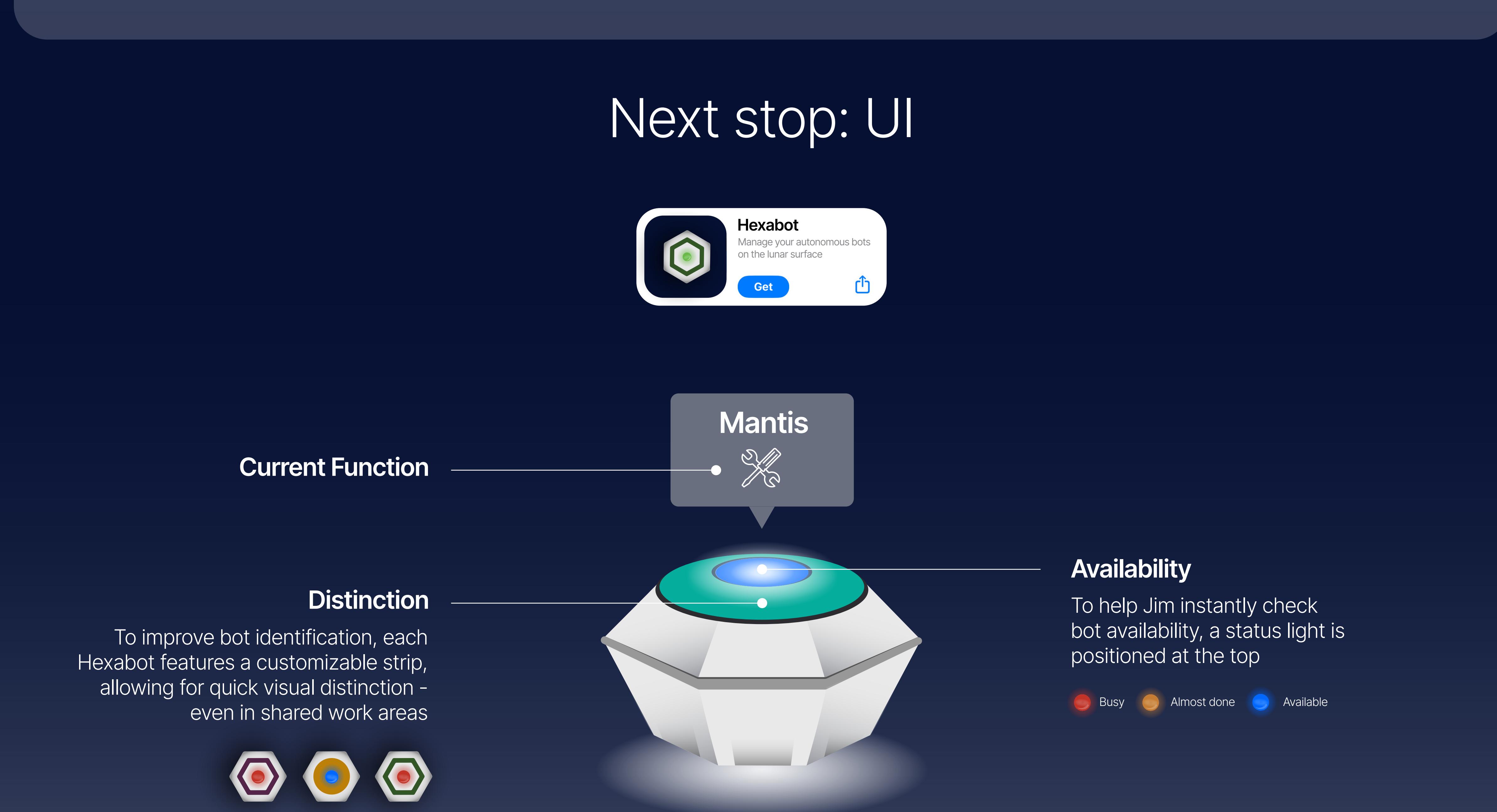
Jim and his research team are working on a prototype turbine using a silicon 3D printer. However, they lack the specific materials and Jim needs to quickly ensure that a hexabot is tasked with gathering the necessary resources.

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**.

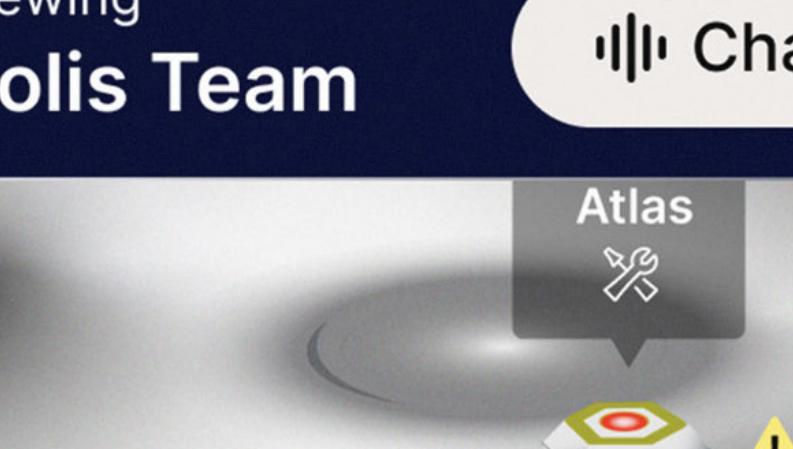


Designed for enhanced accessibility in low-dexterity environments, **the navigation menu features larger, easy-to-tap buttons** instead of a traditional compact layout.

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.



Next stop: UI

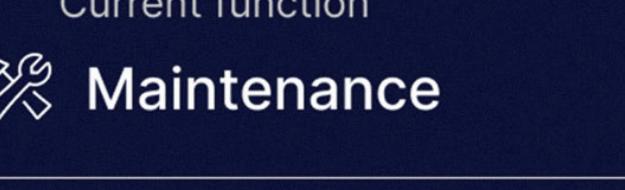


Current Function

Mantis

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 (Red), Almost done (Orange), Available (Green)

