Jasper.

Intelligent Wardrobe Assistant

Assignment 3e: Digital Mockup
CSE 440

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This document is split into three sections: task 1 overview, task 2 overview, and miscellaneous features.

Zoom in to explore; Speed Grader may not provide the necessary level of detail.

Task 1: Selecting an Outfit

Person begins the outfit selection process by walking up to the mirror and saying "Hello, Jasper." The mirror initiates the outfit selection process and presents recommended items based up the weather, calendar, and ocassion.

Start

Person switches to grey shirt by swiping left with his hands

Person switches to pink shirt by swiping right with his hands.

In this scenario, there are only 3 shirts in the inventory, and the person can cycle through them in a loop.

At this point, the person has chosen their prefered shirt out of the recommended options, and is ready to move to the bottom selection process. The person has alerted Jasper they have selected their shirt with the phrase "Jasper, the bue shirt works." In response, Jasper fills in the top half of the silhoutte in the top left of the screen, signaling that the shirt is locked in.

The person has indicated they are moving to the bottoms (pant) selection process because they have swiped down with their hands, moving the selector to the bottoms. The icons near the person have shifted from the top to the bottoms, indicating the selection area. Now if the person swipes left or right, the bottoms will change, not the tops.

Person switches to grey pants by swiping left with his hands

Person switches to light blue denim by swiping right with his hands

The person has now selected the dark pants as their bottoms, and confirms with Jasper they will be wearing those items. In response, Jasper fills in the bottom part of the silhouette.

For the purpose of this mockup, the shoe selection process is not shown. The shoe selection process is identical to the top and bottom selection process.

Task 2: Locating an Outfit

Person begins the outfit location process in one of two ways:

1. Continuation of Task 1: the person notifies Jasper that they cannot find the recommended item; Japser begins the location process.

2. Ad-hoc locating of an item; the person may be ready to head out the door and they need to find one specific item (not included in recommended outfit) like a rain coat. The following mockups demonstrate this task.

To begin, the person says "Jasper, locate my black shirt.

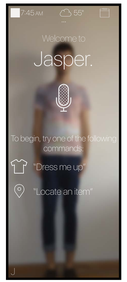
Start

Since the person has multiple black shirts scanned in their inventory, Jasper must clarify which black shirt he is talking about. Jasper displays the inventory items that match the person's voice query. The person has six items.

The person says "Shirt number four," so Jasper begins ringing the item using the sounding tag attached to every clothing item

The shirt rings, and the person finds the shirt. The task is now complete.

Miscellaneous Features



Onboarding Screen

Following usability tests, we found the need for an onboarding screen with instructions on how to interact with Jasper.

The screen shows the two main tasks in which the person can use Jasper: outfit selection and item location.

Expanded Widget View

This view shows an expanded version of the top widget bar. The top bar is shown in all states of the app, but the person has the ability to hide and expand the bar.

There are three states:
1. Hidden
2. Minimized (only top bar)
3. Expanded (current view)

The person can change these states using a pinched up and down swipe.

In the expanded view, an in-depth hourly forecast is show for the day, as well as events in the person's calendar.