



CODE CHALLENGE
CHAMPIONSHIP

AI MISSION 2

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JUNIOR CATEGORY

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Fashion Try-On Shop

Overview:

Alex, the innovative developer, has been approached by a local fashion shop looking for a way to let customers try on accessories virtually. The shop wants to display various products on a digital screen, and when a customer selects an item, it will disappear from the screen, and the camera will open to allow the customer to try the selected item on their face. After the customer is done, they can choose to exit the virtual trial, and all products will reappear on the screen. Your mission is to help Alex create this interactive experience.

Mission:

As a skilled developer, your task is to build an interactive fashion shop simulation for Alex using PictoBlox. The user will be presented with six accessory options on a screen, and when they touch any product, the camera will open, allowing them to try the selected accessory on their face in real-time. A **"Finish Trial" button** will appear after **3 seconds** after clicking any product, and when clicked, the camera will turn off, and all the product options will reappear on the screen.

The accessories available for virtual try-on are:

Heart Goggles - King Crown - Princess Crown

Bunny Ears - Black Beard - Deer Ears

Useful Hints:

- Use PictoBlox's sprites, camera features, and face detection to implement the virtual try-on.
- Ensure the camera is only opened once a product is selected.
- After the trial, reset the screen to show all the available products.
- Use these costumes for the game:



Game Steps:

- **Step 1:**

The user is presented with six accessory options on the screen: **Heart Goggles, King Crown, Princess Crown, Bunny Ears, Black Beard, and Deer Ears.**



- **Step 2:**

When the user touches any accessory (e.g., Heart Goggles), all products disappear from the screen, and the camera automatically opens, applying the selected accessory (Heart Goggles) to the customer's face in real-time.



- **Step 3:**

A "**Finish Trial**" button appears. The user can see the selected accessory on their face, and if they are done, they can click "Finish Trial." Once the "Finish Trial" button is clicked, the camera turns off, and all the products reappear on the screen for the user to choose another accessory or exit.

