

APPENDIX

1. Walkthrough of the interface

Home Page of the Fashionista, the online t-shirt shopping website:

The user opens the online t-shirt shopping website and sees the list of featured products in the center along with its details including brand, size and price. On the left side are standard filters and a new feature of “Know the size that fits you” which maps the user’s size to various other brands of t-shirts available. An option for “Recommended size” under the “Size” filter is initially disabled.

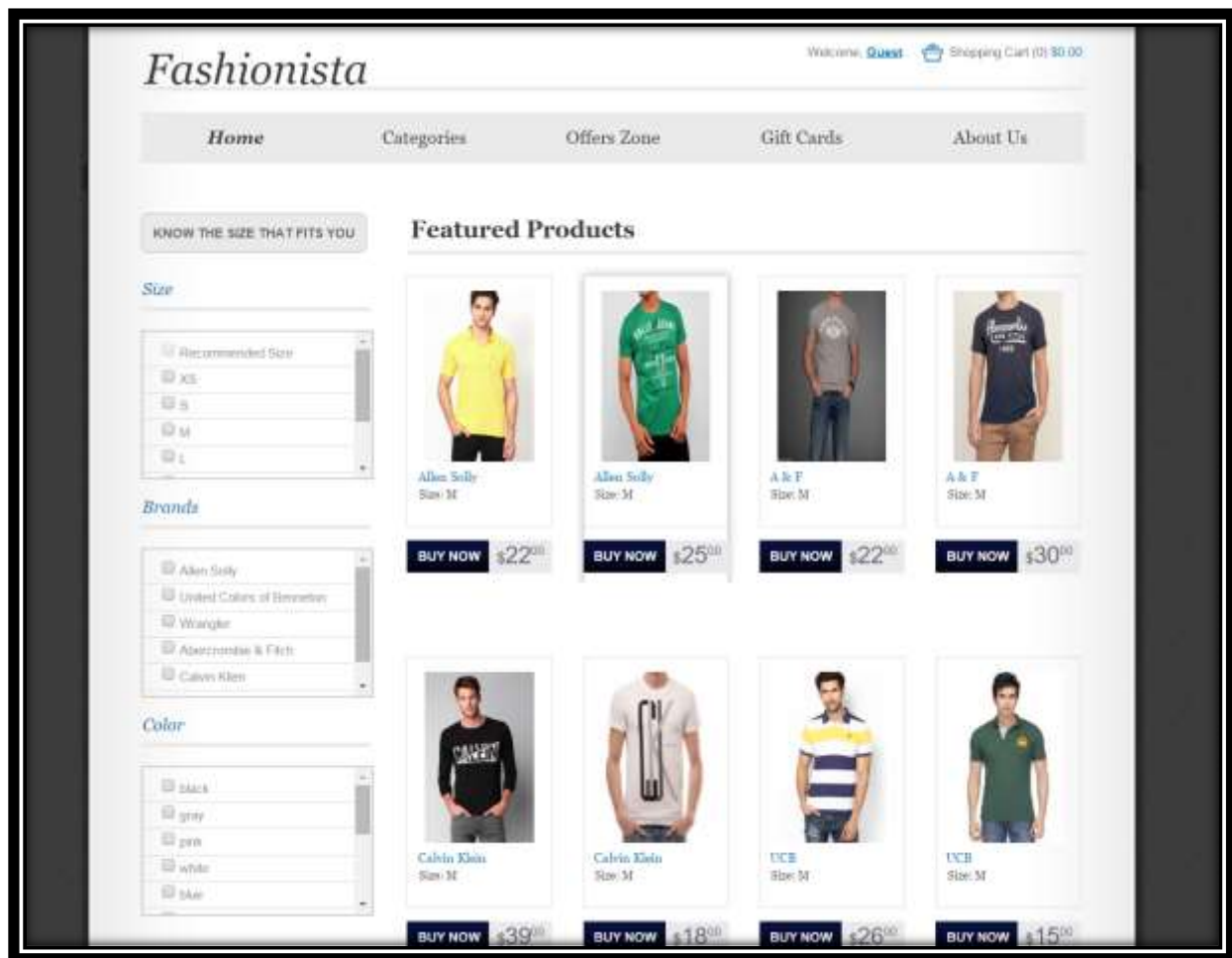


Figure 1: Homepage

On click of “Know the size that fits you” button:

The user clicks on the button and a modal dialog appears with three options: ‘Click Picture’, ‘Upload Picture’ and ‘Select Brand-Size’. This dialog asks to choose the way user wants to map his size to all the other brands. ‘Click Picture’ allows him to use webcam and click a picture. ‘Upload Picture’ requires the user to upload an already present picture on user’s PC. ‘Enter Brand-Size’ option requires the user to manually enter his known size of a brand. There is a “Cancel” button that closes the dialog box.

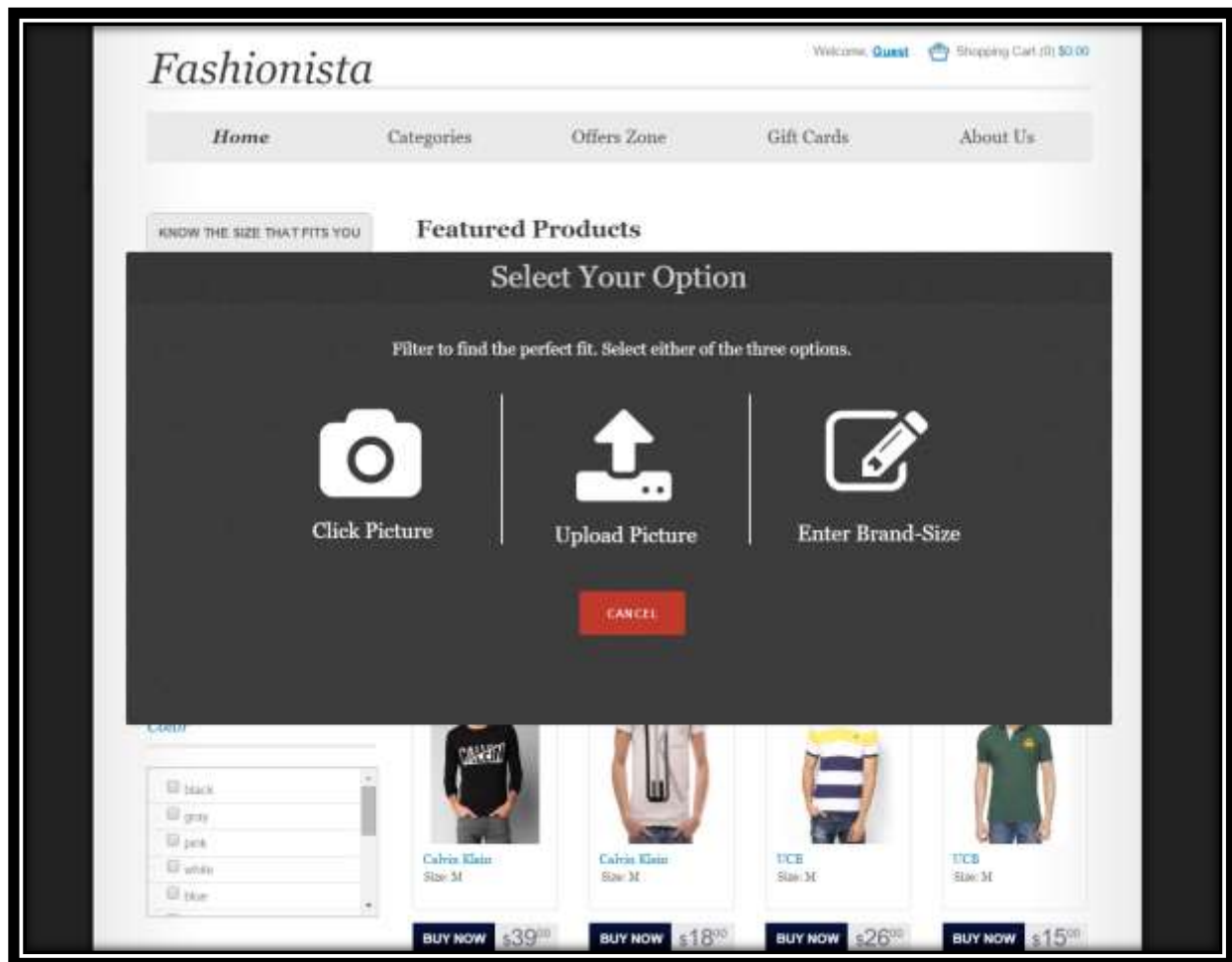


Figure 2: Select Your Option

Instructions for Proper Web Cam Image

The user clicks on 'Click Picture' icon and the modal dialog displays the instructions for proper web cam image. It requires the user to take a picture holding a CD close to his chest, wearing a plain dark t-shirt on a plain light background. There is a 'Back' button to go back to the previous dialog and a 'Cancel' button to close the dialog. The user acknowledges the instructions by clicking on 'I Got It' button. Similar instructions appear for 'Upload Image'.

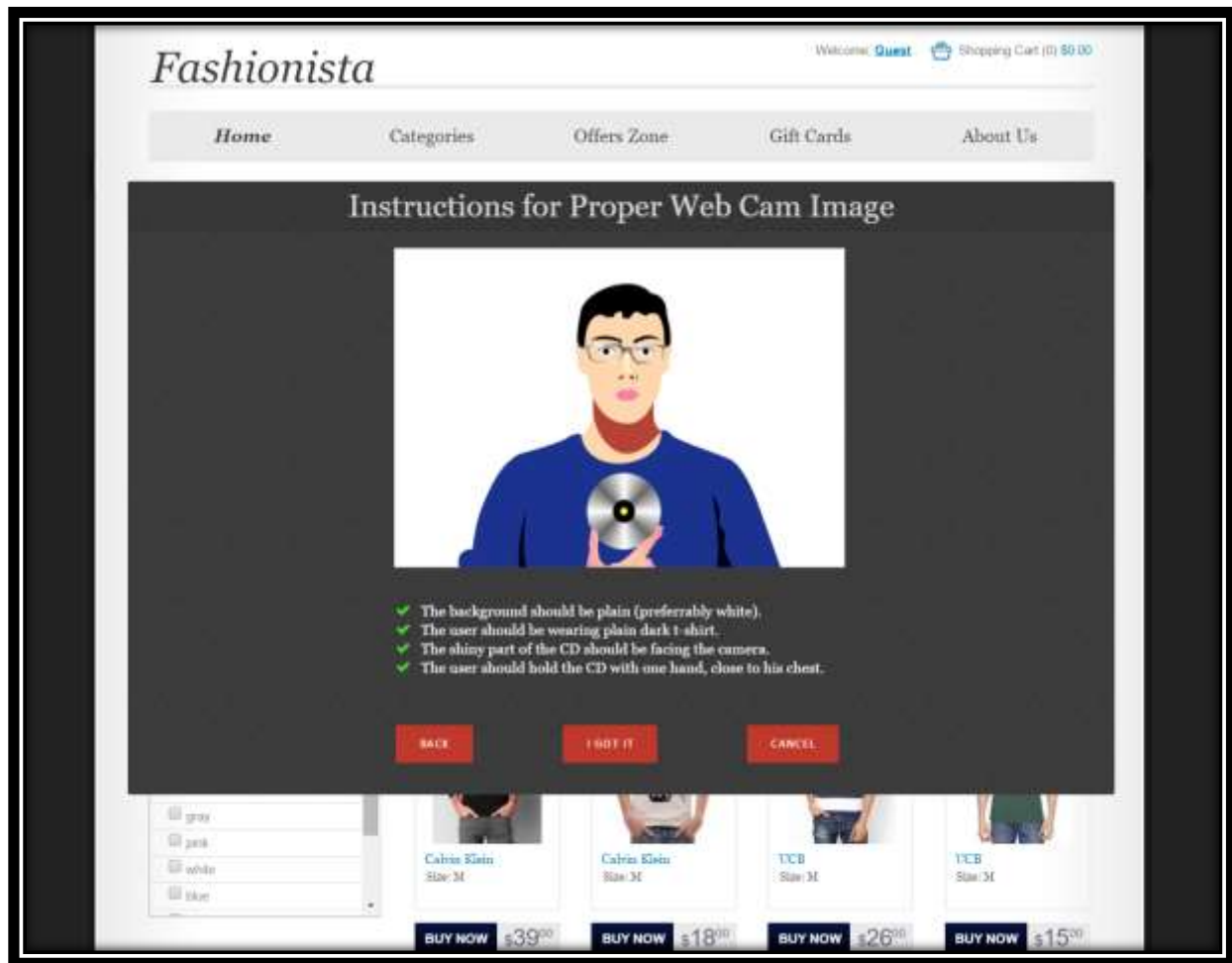


Figure 3: Instructions

Snap Your Pic:

The dialog accesses webcam of user's PC with his permission. The countdown runs for 5 seconds after the user clicks on 'Snap' and then a picture is clicked. A feedback sound of click is heard after the picture is clicked. The 'Back' button takes the user to the previous window and the 'Cancel' buttons closes the dialog box.

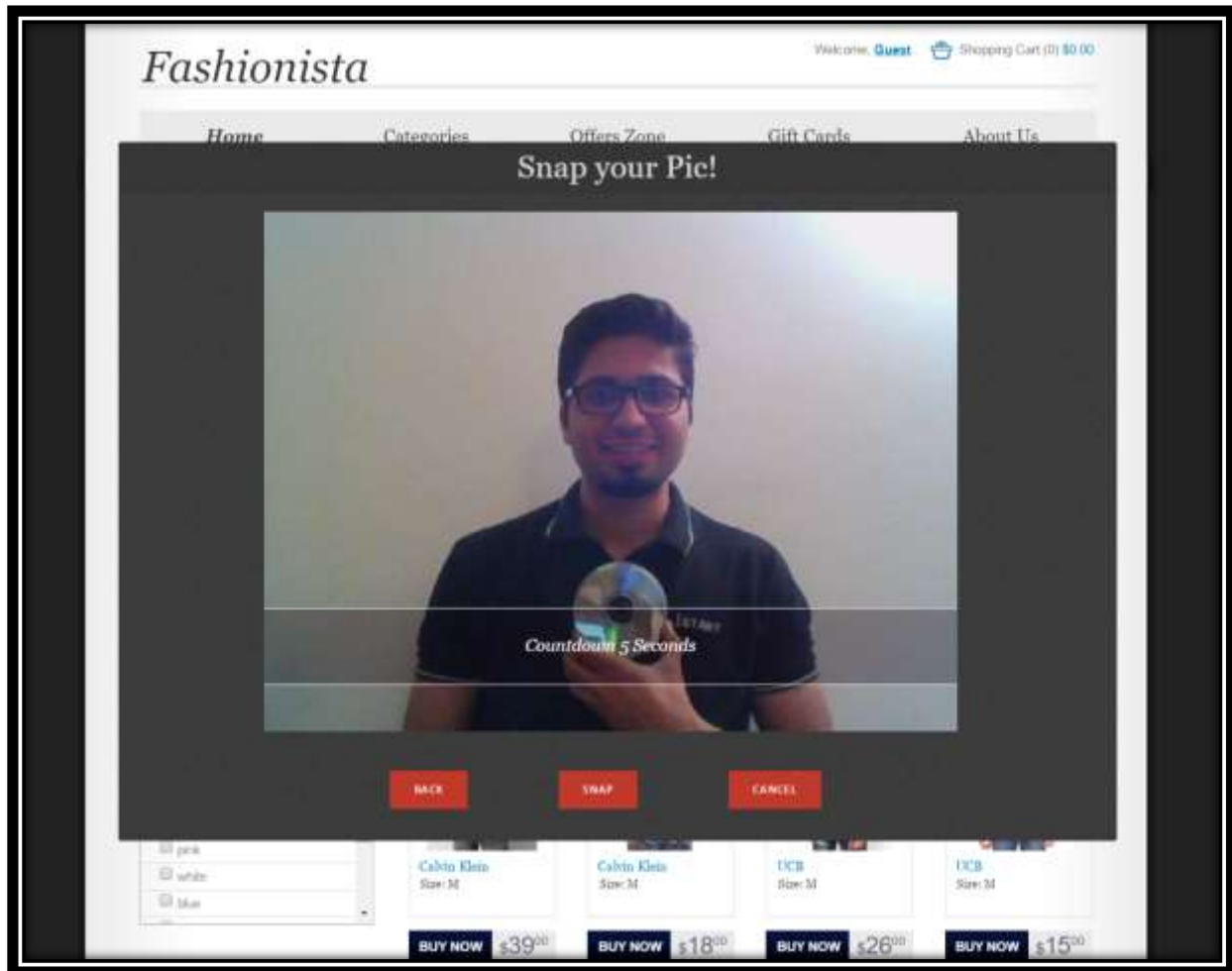


Figure 4: Snap

We have your results:

The dialog displays the image captured along with the computed shoulder size. The 'Filter by best fit' button closes the dialog and filters the t-shirts according to the user's calculated size. This also checks the 'Recommended size' checkbox in the 'Sizes' filter on left side bar. The 'Back' and 'Cancel' buttons, as usual, provide the same functionality.

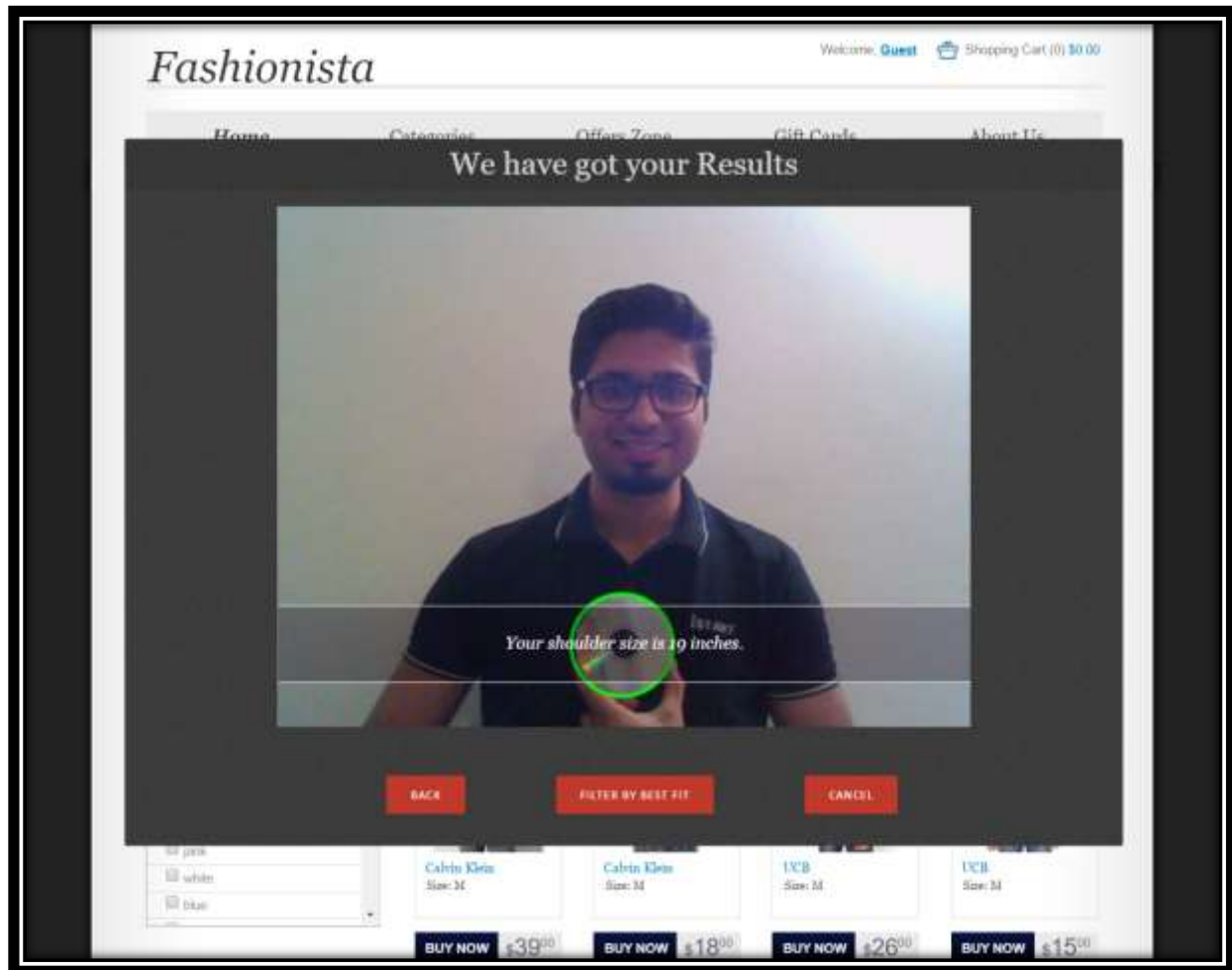


Figure 5: Results

Upload your Picture

The dialog loads a 640x480px preview window where the user can see the uploaded file. The tag attached to the window displays 'Choose File' button using which the user can browse the image on his PC. The chosen image can be seen on the same dialog as shown in figure 7. The user can upload the image he chose by clicking the 'Upload Image' button. The 'Back' and 'Cancel' button carry the usual functionality. After the 'Upload Image' button is clicked the dialog changes and the dialog shown in figure 5 is displayed.

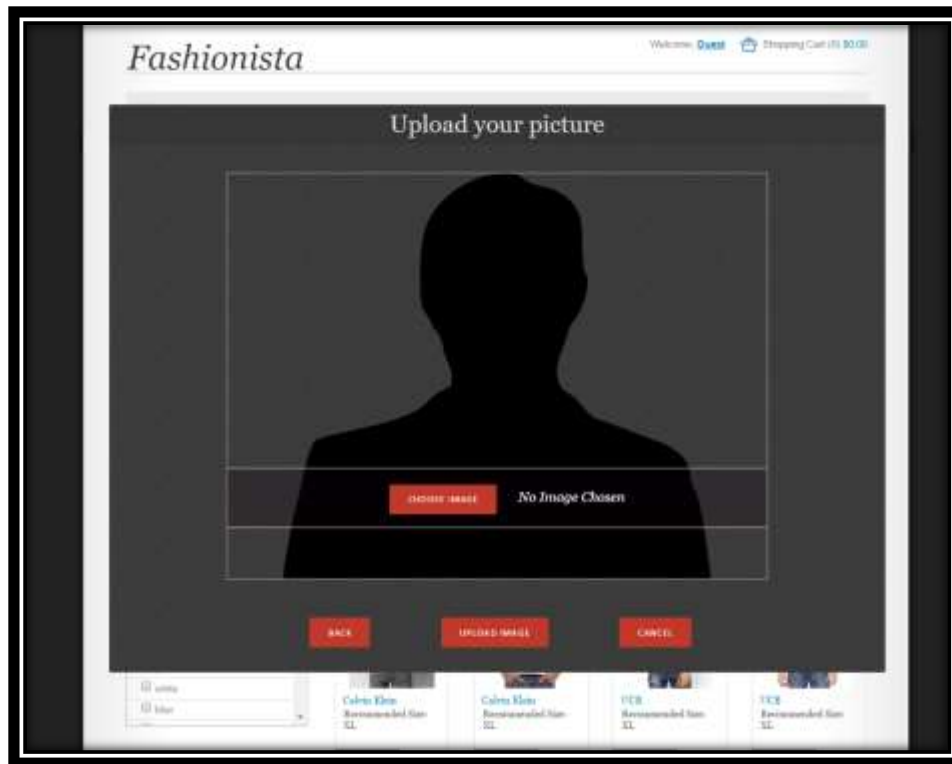


Figure 6: Upload Image

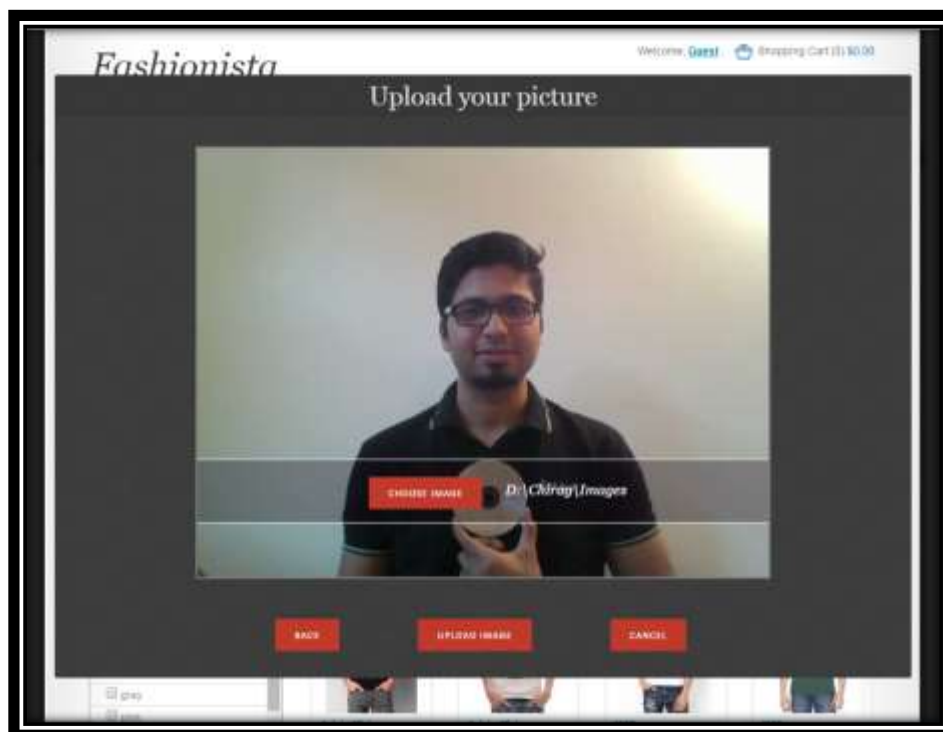


Figure 7: Uploaded Image

Error Message

An error message appears when there is noise in the picture uploaded by the user using 'Upload Image'. Similar error message appears when there is noise in the picture clicked by the user using 'Click Picture'.

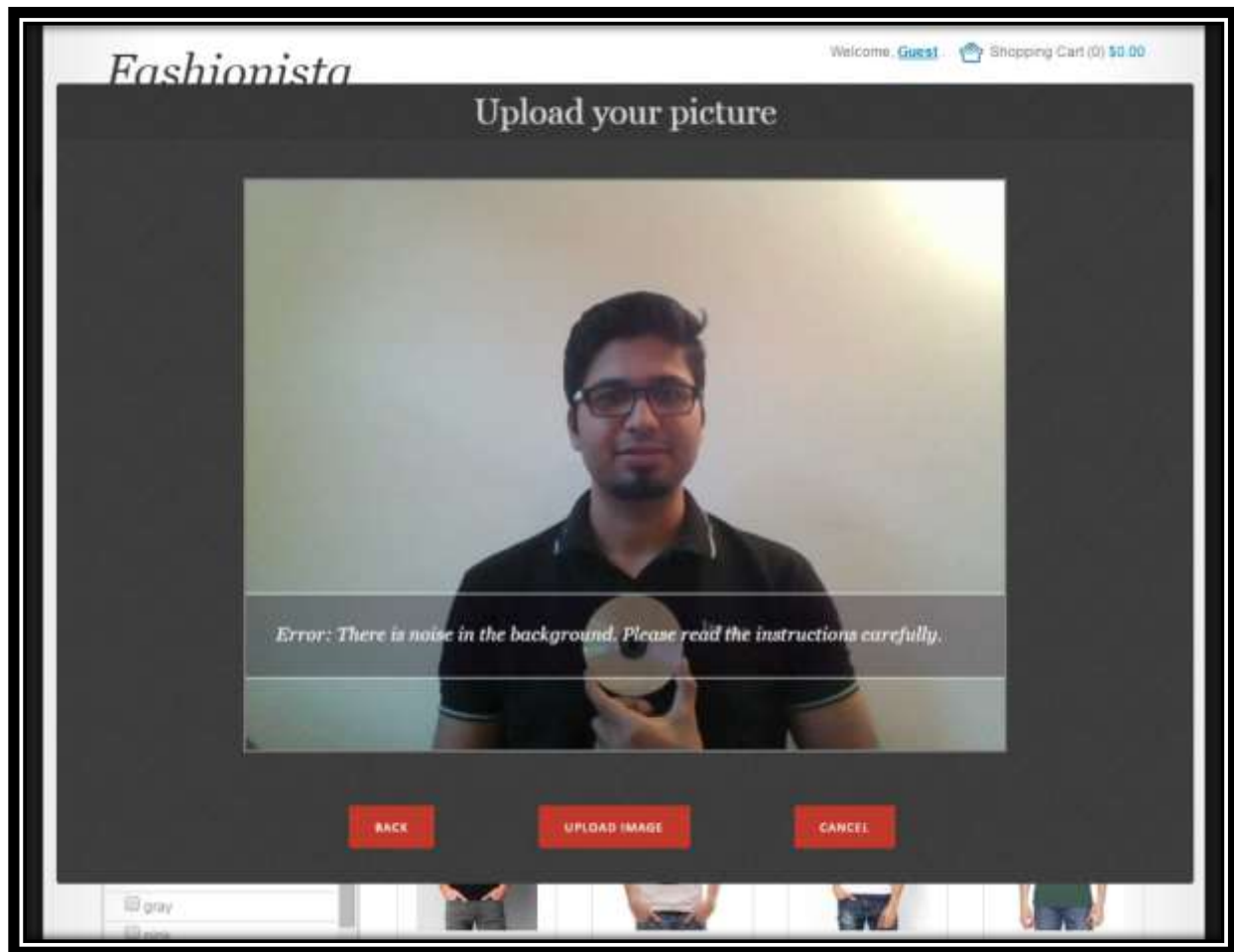


Figure 8: Error

Select Brand-Size

The user in this dialog selects the brand and the corresponding size of the t-shirt that he owns and which fits him perfectly. The 'Filter by best fit' button closes the dialog and displays the t-shirts according to the user's size and also checks the 'Recommended size' checkbox under the 'Sizes' filter on the home page. A filter appears below 'Featured Products' heading acknowledging the user that filter has been applied. The 'Back' and 'Cancel' button, as usual, preserve the same functionality.

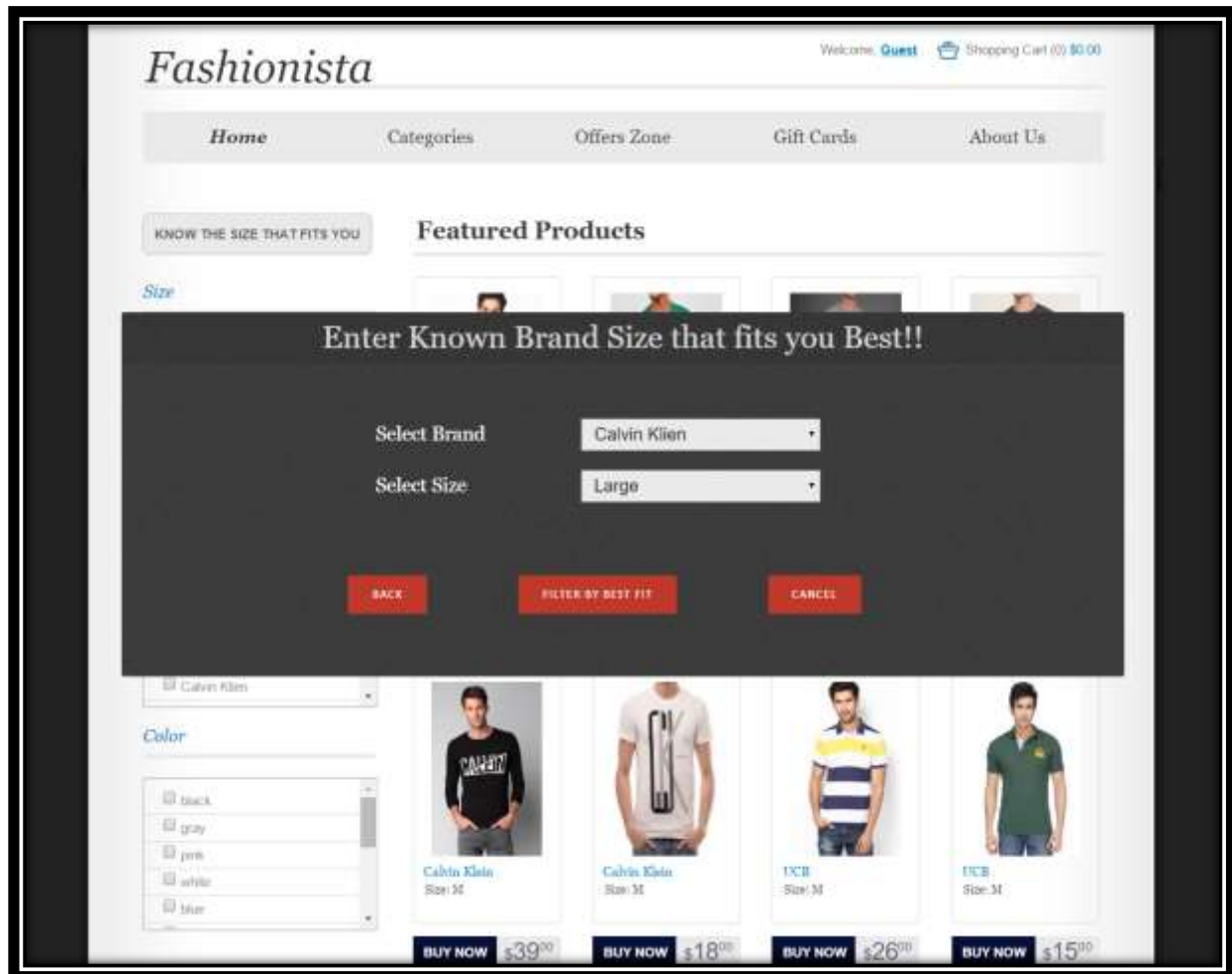


Figure 9: Select Brand Size

Filtered Results

The t-shirts shown are now filtered based on the computed/mapped user's size. The 'Recommended size' checkbox is checked while the other size options are disabled. A filter appears below 'Featured Products' heading acknowledging the user that filter has been applied.

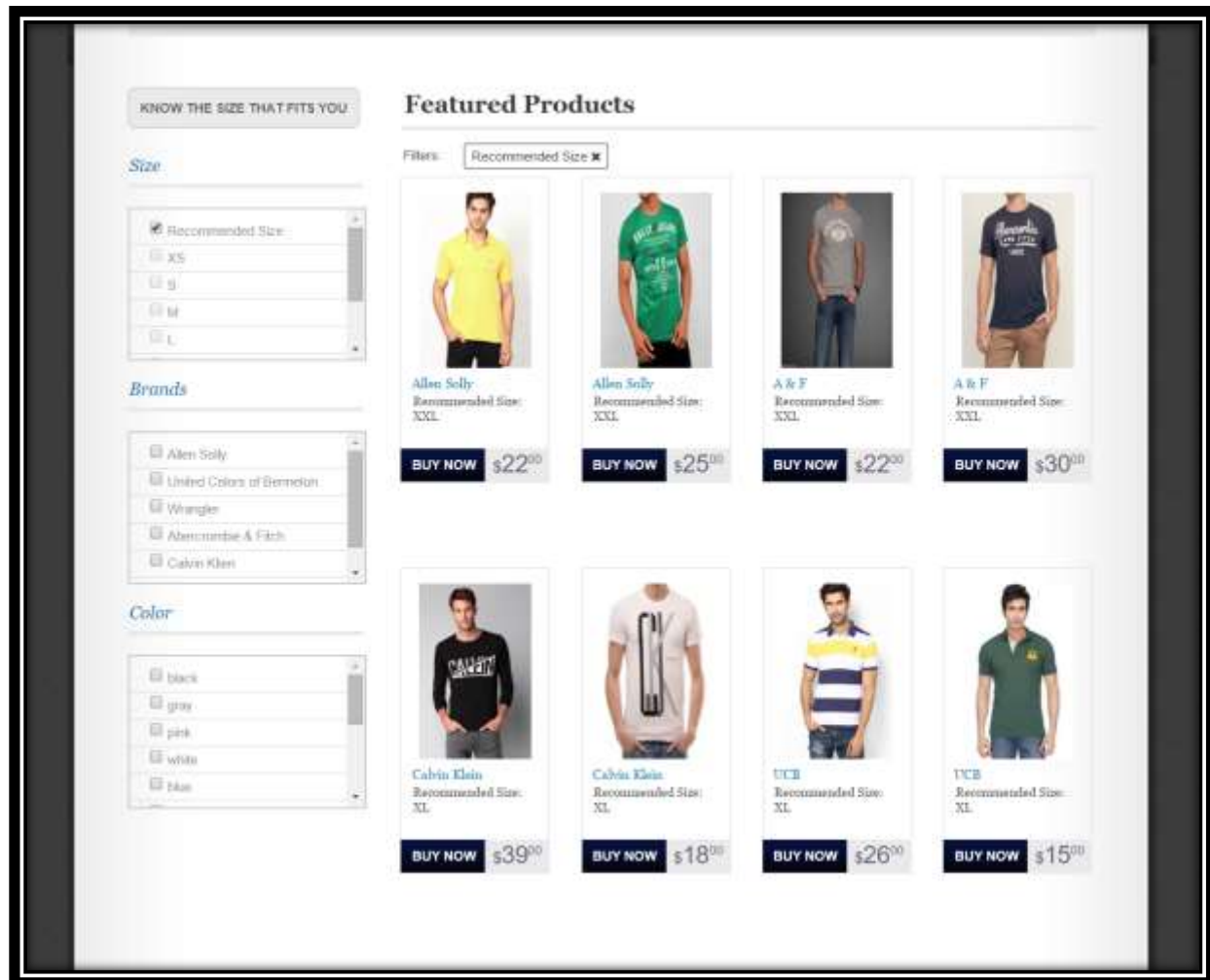


Figure 10: Filtered Results