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### CSCI-201 Final Project Proposal

The main part of our project is a color-based outfit search and combination website. This website enables users to share their favourite outfit combinations with other users, explore cool color combinations, and be creative in their color palette combinations.

Firstly, the website will have a log-in page as the starting page for users. They are allowed to view the website and perform basic functions as a guest user, but they are strongly encouraged to sign up and create a personal account for free. They may create an account by providing an email address, username, and password. For both guests users and authenticated users, they are allowed to choose a color palette of at most four colors and search for items that match the specified color palette. For the authenticated users, in addition, they may save item a temporary “outfit cart” and share their outfit

After the users input their color palette choices, the search page will give multiple items that match each color. An item can be a single clothing, pants, shoes or accessory. Each box of items will provide information such as name, image, price, ratings, brand/seller, and the product link (Meta Properties). All items are sorted by ratings/color relevance.

Then, users would select items on the page and form an outfit combination of their own. They would be able to add the combination to their “outfit cart” and post it. There would also be an outfit page with popular outfit combinations created by users (sorted by ratings). Users can rate shared combinations on this page, which uses multi-threading. Unauthenticated users can

still view the combinations shared by other users. However they can not like or rate any of the shared combinations.