2g: Design Review

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Tasks

1. Outfit visualization and selection

This task covers all actions needed for the user to pick outfit and get dressed for the day. First the user look over all recommended combinations of outfit given based on many factors(weather, occasion). And the recommendations are given in a visualized form by virtually dress up the user's ture figure (can be a mockup image or a reflection). Then the user make decisions on the satisfied combination, look the items up from wardrobe, and then get dressed.

2. Wardrobe management and catalog maintaining

In order to have a precise acknowledgement on one's wardrobe, the system requires each item to be inputted. So that for each item the user owns, the app as a record correspond to it. Each item will be categorized either by image analysis performed by the system or informations inputted by the user(size, comfort level, occasion category, etc). All these data will be used later for outfit selection. All so all records could be viewed later under some application interface as a catalog of the user's current inventory.

Design

The design is consists of three physical parts: smart mirror, mobile app and digital clothes tags.
1. Smart Mirror

The smart mirror is a full size dressing mirror with three cameras, internal speaker and full HD display. It is responsible for scanning user input (outfit put on the user or held by the user in hand), visualization of recommended outfit on reflection of user, audio command/assistance, gesture recognition and simple feedback on chosen outfit.
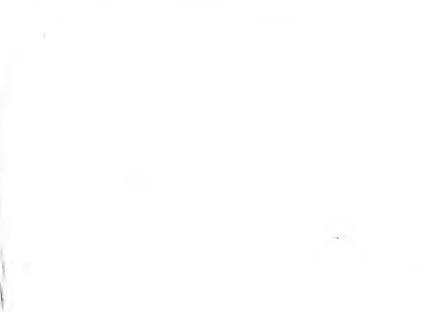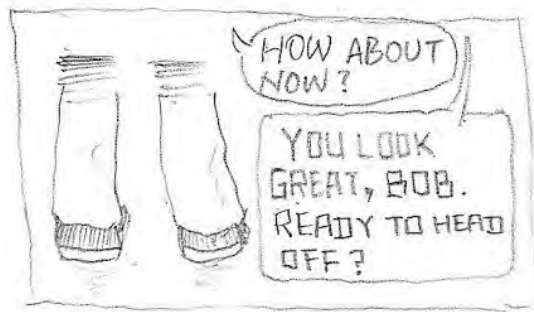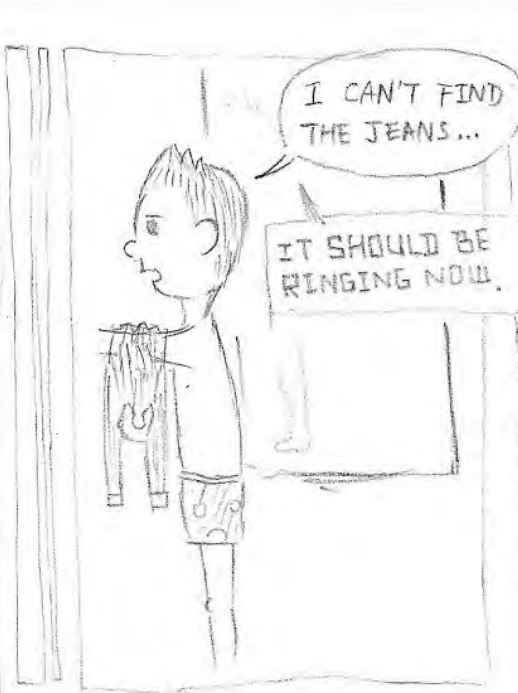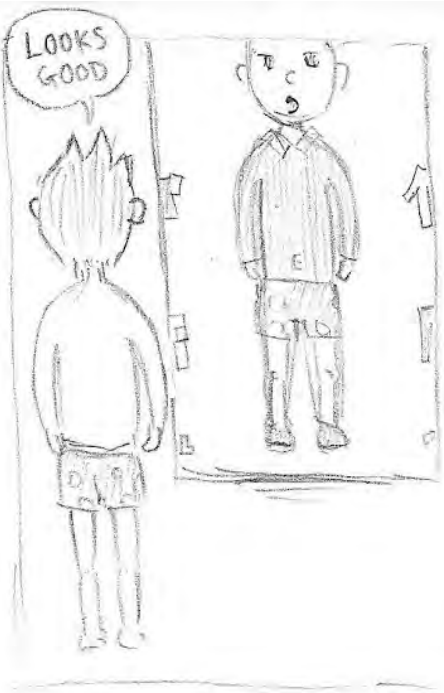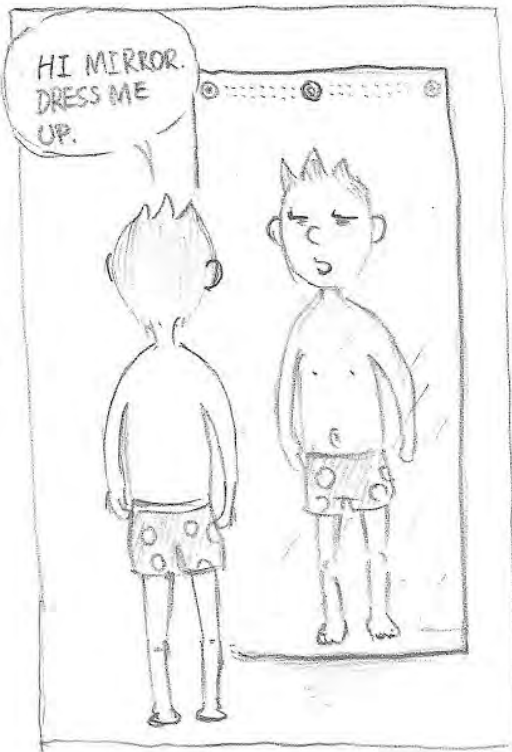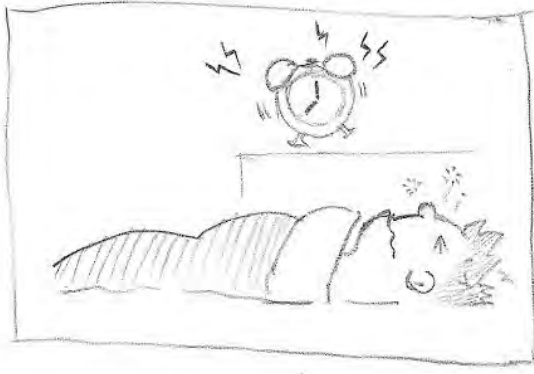
2. Mobile App

The mobile app is responsible for outfit visualization and cataloging on the go (makes it possible for users to visualize and select outfits anywhere they want)and catalog/inventory management.

3. Digital Clothes Tags

The digital clothes tags are some soft and tiny chips that can be stapled on each item easily. The tags helps the system in many ways. First it helps to locate the item so that the time searching for the item in the wardrobe will be saved. Also it helps system to keep track of each item so it know whether an item is in laundry or available for today's selection. The tags are playing a very important part in the system because they help to connect the abstract application with physical objects.

Storyboard: Outfit visualization and selection

Storyboard: Wardrobe management and catalog maintaining