

Final Project Proposal

“Beautifly”

Project description:

The goal of this project is to develop a make-up application called “Beautifly” that offers the users a fun and convenient way to retrieve detailed data of make-up products from various brands. This application is literally like a make-up dictionary for users. The users can easily search for the make-up products by different keywords, look at product details, go to the product’s main website, save their favorite items to their personal favorite list, and check the top-reviewed products. Unlike other make-up apps offered by make-up stores, our app will provide details of products for all brands regardless of the availability in their stores. We also provide the product’s website that directly links users to the main website of products, so the user can retrieve the truthful and accurate information about them.

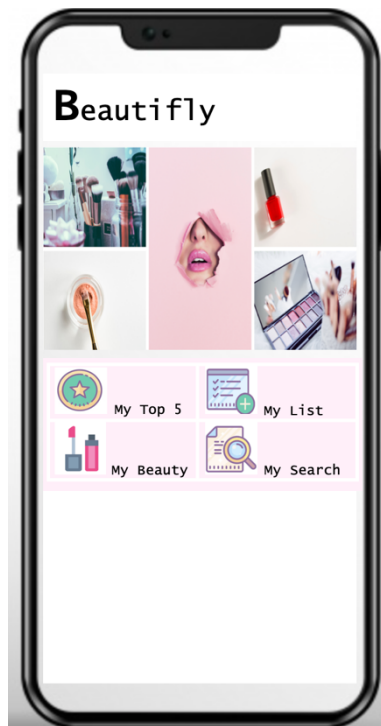
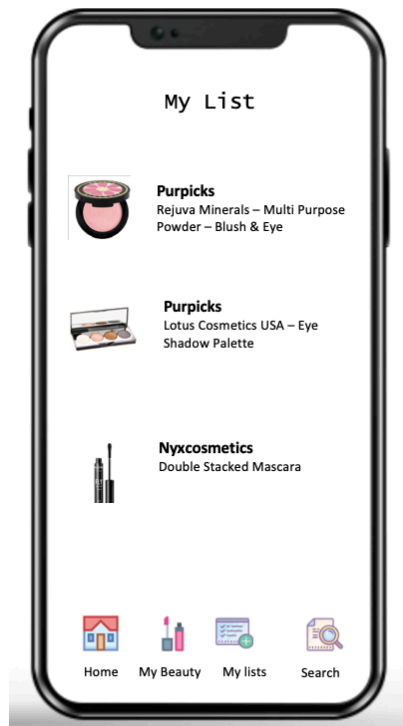
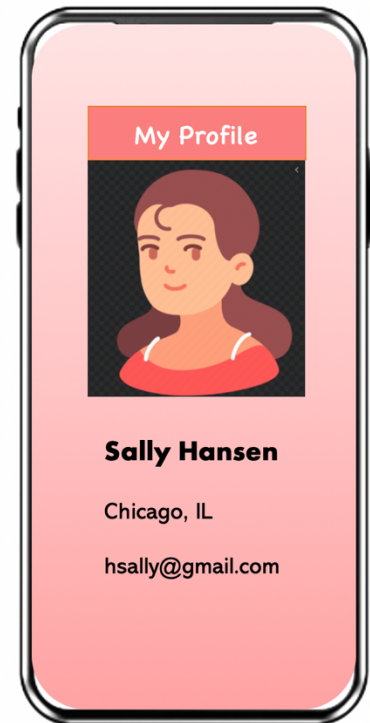
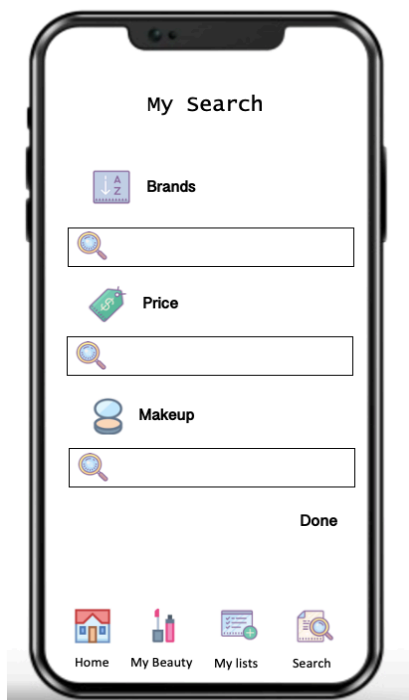
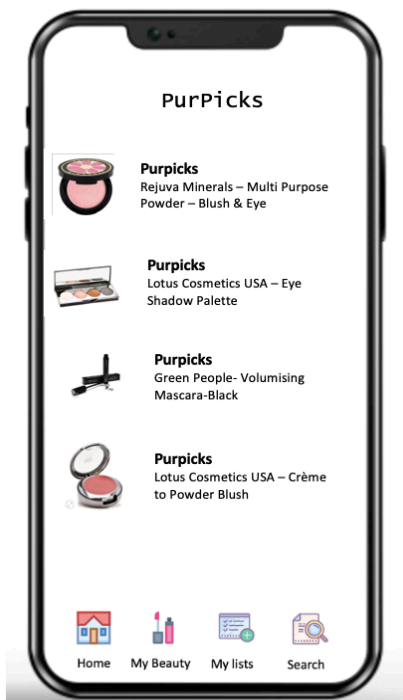
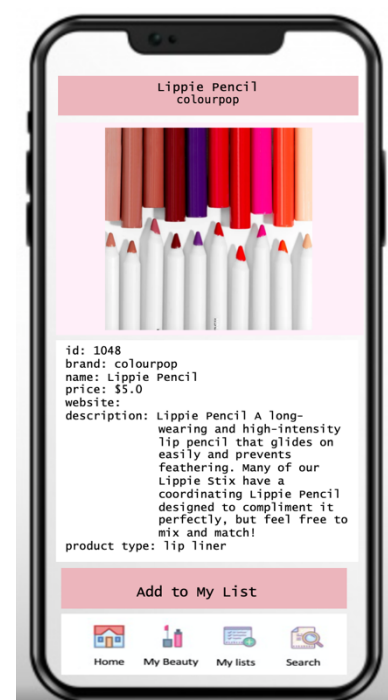
API Features:

3 API Features will be used for developing this application.

1. The main API that we will use to get data is “Makeup API” retrieved from <https://makeup-api.herokuapp.com>. The API provides the detailed data of make-up products from various brands in JSON file. The provided data for each product includes product type, category, brand, price, ratings, photo url, url link for product’s website.
2. Multi-touching feature will be utilized to allow users to select images
3. Multi touch events are implemented to allow users to zoom in and zoom out the product images and its descriptions.

App Features:

- The main view includes 4 options (Fig1) that users can select and link them to the selected option’s screen including search, their favorite list, account, and top-reviewed products
- Users can add any make-up items to their favorite list. The app will remember the user’s favorite list. Then, the users can edit their list (Fig 2).
- Users can search the make-up product by type, brand, and price. The app will show the matched item with its descriptions (Fig 4).
- Users can select any products on the matching list (Fig 5). to see more details about products, in which each product view shows the product's description, picture, website, price, and ratings (Fig 6).
- Users can click at the product’s URL which will direct users to website of the product.
- The app will show the top reviewed products with high ratings. The user can click any items in the list to check for the item’ s descriptions (Fig 6).

Preliminary Screen Design:**Fig 1: Home Page****Fig 2: My Favorite List****Fig 3: My Account****Fig 4: Search for Product****Fig 5: Matching List****Fig 6: Product Details**