Project Specification
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List of all functionalities

User Basic Function:
- User can register, login, reset password, edit profile.
- Logged in users can share the sale information or coupon exchange information to their social media such as Facebook or Twitter.
- Logged in users can follow a brand and add the brand to favorite.
- Logged in users can also access their profile page to view the sale information they liked.
- Login users can access their profile page to view the coupons they have.
- User can also use the search function to find the specific sale information.

Sale Information:
- Collect "sales" information from product pages, such as clothing, tech products.
  - A naive way: parsing HTML page to collect the sales information (URLs) from each retailer website.
- Users can click on the "Go To Website" button to access the brand website.
- When viewing the sale information page, a user can comment on a specific sale information or add that sale information to favorite.
- The users can search the nearest location of the brands they were following from our website.
  - Use google map API to show the nearest shop location to the user's current location. Users can specify the distance they want.
- The user can track prices of certain product and our website will send the user notification if there is any price-down event about it.

Coupon Exchange System:
- User can **post the brand of coupon they have** and **ask for another brand of coupon** they want. The user can also make a note of his/her coupon to specify the coupon content.
- After the user submit his/her coupon, the website will list all the coupons and the owner of the coupon that match his/her request.

- Every user has his/her own reputation. After a deal, the users can make a review for each other. This system is to prevent problems like expired or used coupon. Therefore, the user can choose which user they want to exchange with based on their reputation.

Implementation of data models
- UserProfile
  - User
  - reputation:★★★★★
  - favorite_sales_info
  - favorite_brands
  - Profile_image
  - owned_coupon
- Sales_Info
  - text
  - brand
  - sales_expire_time
  - comment
  - number_of_likes
- Brand
  - url: link to the brand website
  - brand_name
  - brand_image
- Coupon
  - UserProfile
  - owned_brand
  - expiration_date
  - required_brand
  - is_exchanged
- User
  - Last_name
  - First_name
  - Username
  - Email
  - Password

Complete set of wireframes

SaleInfo

| Username | Password | Sign In | Sign Up |

Home   Favorite   CouponEX   Profile   Brand   Q Sale Info

............50% OFF
Brand name   Go to website

............50% OFF
Brand name   Go to website

............50% OFF
Brand name   Go to website

SaleInfo

| Username | Password | Sign In | Sign Up |

Home   Favorite   CouponEX   Profile   Brand   Q Sale Info

List of matches

★★★★
H&M......60% OFF

★★★
H&M......30% OFF

LIST
H&M
A&F

Coupon to exchange   ADD
Coupon needed   ADD

Owned Coupon

H&M......60% OFF

A&F......60% OFF

H&M......60% OFF

SaleInfo

| Username | Password | Sign In | Sign Up |

Home   Favorite   CouponEX   Profile   Brand   Q Sale Info

Upload your coupon

Brand Name

Expiration Date

Picture
Upload image

Submit

SaleInfo

| Username | Password | Sign In | Sign Up |

Home   Favorite   CouponEX   Profile   Brand   Q Sale Info

★★★★
H&M......60% OFF

Agree to exchange

Please wait for the response from User XX