

All in one discounts application

Application that will display all the available discounts from several markets for a given day. When the user enters he will see a products who are discounted for a selected day.

User case:

- User can select a date from the calendar (doesn't yet exists, should be added). The default date is today.
- User will see all the discounted products for the selected day.
- User can add products to a shopping list (just like adding a product to a cart)
- User can save the list with products he/she created.
- User must be able to filter products based on: Market franchise, discount size (small – up to 15, normal – up to 35, large – over 35), product price, categories – but the categories would not have dropdowns with subcategories, search by name (while writing the product name, suggestions should start showing)
- User can sort the products based on “Popular” (the ones that are favored by the most users), “Greatest Discount”, “Lowest Price”, “Franchise” (Shop name),

Each product card must include:

- The Market franchise that offers this product (Lidl, Billa, Kaufland etc.) - it should be icon
- The exact discount in percentage
- The old price
- The new price
- Short description (optional)
- Product size (100g./1kg./500ml. Etc.)
- Functionality to add it to the list. (+ selecting the amount of this product you want to buy)

User options:

- User must be able to see all of the list he has done so far.
- User must be able to see statistics for how much money has he/she saved since using the application, which is the franchise he is saving most money in, where does he shop at most, what is his/hers average list price etc. (please save plenty of info in the database that could be used in future)
- User must be able to change password.
- User must be able to login with credentials or OAuth (google, facebook).

- User can add favorite products, when the product is in discount, user must get notification. (user could select if he/she wants to receive notification on their email as well)
- Notifications must be added to the template

Additional considerations:

- While working on the template, please try to remove all the unnecessary code/files that would not be used in this project.
- There will be only one language – you can remove the multiple language option
- There won't be delivery address, because user only creates list, but he can not order products, BUT the user must have the option to write which city does he/she live in.

Ads: The application should include google ads, when the user saves the list an unskippable video ad should play.

Admin Dashboard

Admin usecase:

- Admin can see a list with all registered users.
- When user is clicked the admin can see all stats of the given user:
 - Money spend
 - Money saved
 - Register date
 - Favorite Market
 - Favorite Product
 - Etc.
- Admin can see all available products.
- Admin can create new products.
- Admin can see how many people have added given product to favorites.
- Admin can see the most desired franchise (maybe like pie diagram)
- Admin can see the average list price
- Admin can see daily spendings of people like bar chart
- Admin can see how many of the spent money are going for different categories – dairy, vegetables, fruits etc.
- Admin can see literally everything you can think of. The upper bullet points are just an examples. The project is mainly for the purpose of collecting data and visualizing it.
- When the admin adds new discount he must be able to select product that already exists, but add new discount range. Possible flow:

Add new discount → Search existing product / Create new Product → Open the product page. On the product page you can see all details like Image, Name, Made in, Size, Description, Tags and a calendar. Admin can select a franchise and all the discounts (prev + future should be displayed in the calendar). Admin can now add new range of dates in the calendar for the given franchise.

Possible database structure for product and discount:

Product:

- name
- image
- description
- country (made in)
- size
- [discounts] (Discount object)
- [franchise] (string) (who offers this product)

Discount:

- percentage
- Start Date
- Final Date
- old price
- new price
- productId (Product)
- franchise

The project deadline is 6th November and the price of the project is 8000(Eight Thousand) Tk