Cappsule Frontend Coding Assignment

Task Summary

- You are provided with a screen design and an API which provides the required information for the page.
- Please read the instructions below carefully to help you develop the page.
- You will need to use React Js and can return your code as ,zip file.
- The page need not be responsive.
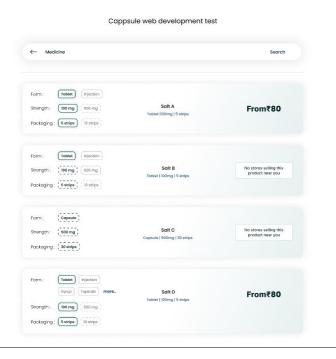
Screen Design

Figma Link

https://www.figma.com/proto/yMiOfDoj8qVsRAUmc1HiA8/Test-design?page-id=0%3A1&type=design&node-id=21-1979&viewport=432%2C389%2C0.31&t=bTE32k2XiClfhhqG-1&scaling=min-zoom&starting-point-node-id=21%3A1979&mode=design

About the screen

1. This is a search screen with a search bar and button.

Cappsule web development test

Q Type your medicine name here   Search

" Find medicines with amazing discount "

2. When you type a term on the search bar and press enter or click the search button, we expect to have the results for the salt displayed.
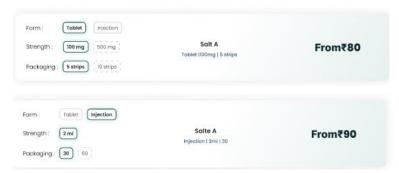

3. Each salt is present in different forms, each form can have different strengths, and each strength in different packings. For a given form-strength-packing combination, there could be multiple products from different pharmacies and the lowest price is shown.
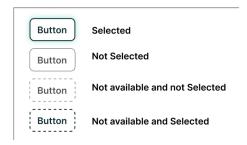

4. If a particular form-strength-packing combination is not available in any of the pharmacies, it will be displayed as "No stores selling this product near you".
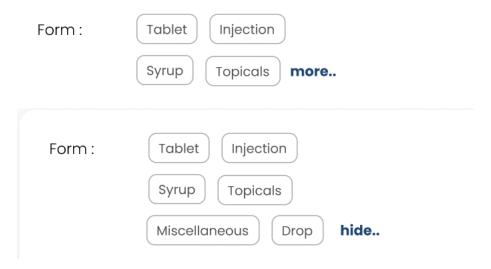

5. The selection buttons for the form/strength/packing are dynamic: meaning if one form is selected, corresponding strengths will be shown and so on. By default, the first button can be the selection.

6. At any point of time, one button has to be selected in form/strength/packing so as to display the results.

7. If a particular form/strength/packing is not available in any of the stores near a user, the button will have a different design. The user can select any of the buttons (available or not available), but if "not available" selection is made, price will not be there, and it will be shown "No stores selling this product near you".

8. If any form/strength/packing have multiple options which exceed more than two rows, you can use a more button to display them and hide to collapse. In the below example, it is used for Form, but can be used for strength or packing as well.

9. If a selection is made after using the more button and user clicks hide, the selection and the order of the buttons will remain same. It's just that the selected button will not be visible to the user, though the user will know the selection as it is displayed below the

salt name. (Please note that the interactive Figma design may have issues with this, though we expect it to be functional in the web).

API

Here is the API to fetch the data:

https://backend.cappsule.co.in/api/v1/new_search?q=paracetamol&pharmacyIds=1,2,3

Parameters

- The search term shall be sent as the query term q. In the example above, it is "*paracetamol*". This term should be the term entered in the search box.
- The default values for pharmacyIds are "*1,2,3*". You can use this for all requests.

Sample API response for search term "paracetamol"

```json
{
    "data": {
        "saltSuggestions": [
            {
                "id": 487,
                "salt": "Paracetamol+Paracetamol",
                "salt_frequency": 19,
                "available_forms": [
                    "Tablet"
                ],
                "most_common": {
                    "Form": "Tablet",
                    "Strength": "300mg+700mg",
                    "Packing": "10 tablet sr"
                },
                "salt_forms_json": {
                    "Tablet": {
                        "300mg+700mg": {
                            "10 tablet sr": {
                                "2863": [
                                    {
                                        "pharmacy_id": 3,
                                        "selling_price": 50
                                    },
                                    {
                                        "pharmacy_id": 2,
                                        "selling_price": 44
                                    }
                                ],
                                "31440": null,
                                "75341": [

(……..)
```

About the API Response

- The API lists all the salts along with medicines. <u>For this test you will need to use only the salt suggestions.</u>
- The number of salts in the response will depend on the query term.
- The salts are listed in order of importance. You can use this order when displaying the web page.
- The response may contain a lot of information, which is not required for the page.
- "Salt" in the response stands for salt name.

```
'data": {
    "saltSuggestions": [
        {
            "id": 57,
            "salt": "Azithromycin",
            "salt_frequency": 3393,
            "available_forms": [
                "Tablet",
                "Oral Liquid",
                "Capsule",
                "Injection",
                "Miscellaneous",
                "Drops",
                "Topicals"
```

- The details about the forms-strengths-packings-availability are given within the salt_forms_json. The top level represents forms, second level represents strength, third level represents packing, fourth level contains the product ids. For each product id- we have array of pharmacy id and corresponding price.

```
"salt_forms_json": {
    "Tablet": {              ←── Form
        "300mg+700mg": {      ←── Strength
            "10 tablet sr": {  ←── Packing
                "2863": [       ←── Product ID
                    {
                        "pharmacy_id": 3,
                        "selling_price": 50    ── Pharmacies
                    },                            with their
                    {                             prices for the
                        "pharmacy_id": 2,         respective
                        "selling_price": 44       product id
                    }
                ],
```

- If the product is not available in any pharmacy, then it will be null.


```
"155034": null,
"155078": null,
"155124": null,
"155604": null,
"155750": [
    {
        "pharmacy_id": 3,
        "selling_price": 105
    },
    {
        "pharmacy_id": 2,
        "selling_price": 100
    }
],
```

- When all the product ids within a particular form, strength or packing are not available, the corresponding form/strength/packing will be considered as not available. Below, the strength "325mg+675mg" has one packing under it – "10 tablet ir" which has one product_id within which is not available. So if a user selects "325mg+675mg" it will be shown as not available

```
"325mg+675mg": {
    "10 tablet ir": {
        "127153": null
    }
}
```

- Number of products within any specific form/strength/packing can vary.

- Under each packing there could be multiple products and for each product there are multiple prices. The displayed price will be the lowest among all the products under that specific packing. In the example below, the form-strength-packing of "tablet"-"200mg+700mg"-"10 tablet sr" has 9 products (product ids under it) of which two are available. Product 2863 in two pharmacies, while 75341 is in two pharmacies. When the user selects the combination "tablet"-"200mg+700mg"-"10 tablet sr" for this salt, the price to be shown will be "From 44" as 44 is the lowest price for any product with that

combination- "tablet"-"200mg+700mg"-"10 tablet sr"

```json
"Tablet": {
    "300mg+700mg": {
        "10 tablet sr": {
            "2863": [
                {
                    "pharmacy_id": 3,
                    "selling_price": 50
                },
                {
                    "pharmacy_id": 2,
                    "selling_price": 44
                }
            ],
            "31440": null,
            "75341": [
                {
                    "pharmacy_id": 2,
                    "selling_price": 80
                },
                {
                    "pharmacy_id": 1,
                    "selling_price": 90
                }
            ],
            "76373": null,
            "118348": null,
            "150077": null,
            "166623": null,
            "180695": null,
            "197436": null
        },
```

Have a great day coding!!