







Cookeat

Filter Options

Low level design document

December 2019

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 <p>Easy Healthy Desserts Singer-free, plant-based, gluten-free sweets quick and delicious</p> <p>Easy Healthy Sugar-Free Desserts Step-by-step guide for creating delicious sugar-free, gluten-free, plant-based sweets. Quick and easy!</p> <p>Anastasia Sharova \$99</p>	 <p>Pregnancy Meal Plan Pregnancy without supplements: foods and recipes</p> <p>Pregnancy Meal Plan Pregnancy without supplements: foods and recipes for the health of the baby and the mother (EARLY BIRD PRICE until 31.05.2018)</p> <p>Anastasia Sharova \$16</p>	 <p>7 Day Sugar Detox (FREE Programme) a daily actionable plan to live without refined sugar</p> <p>7 Day Sugar Detox (FREE Programme) Improve your healthy eating habits - get a daily actionable plan to live without refined sugar</p> <p>Anastasia Sharova</p>
 <p>Become a Wine Expert in 3 Days Introductory Wine Course</p> <p>Become a Wine Expert in 3 Days Introductory wine course</p> <p>Svetlana Kasparova €79</p>	 <p>The Mastery of Spices spices, herbs and seasonings: cooking and health benefits</p> <p>The Mastery of Spices Spices, herbs, seasonings: how to cook with them and what they do to our bodies</p> <p>Srikant Singh</p>	 <p>Sourdough Bread Baking ancient techniques from Russia and Germany to create healthy artisan sourdough bread</p> <p>Sourdough Bread Baking Learn ancient techniques from Russia and Germany to create perfect artisan sourdough bread</p> <p>Alla Pollakova</p>

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1 Background

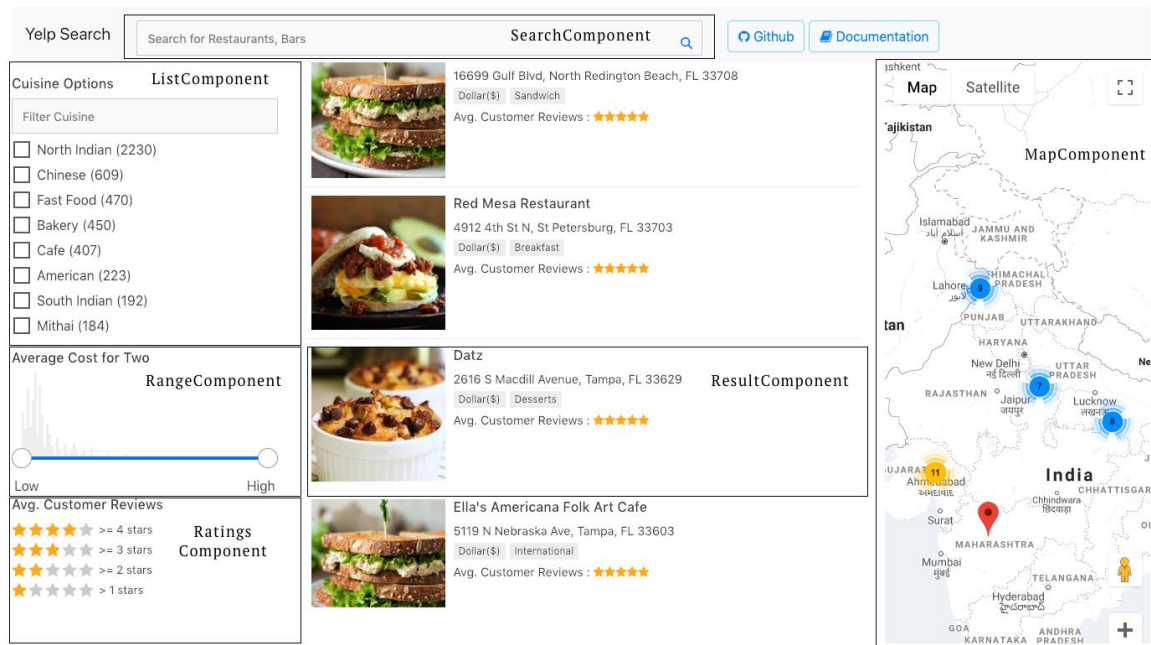
This document would cover the filtering criteria and implementation, for displaying courses list on page.

The FE implementation is much derived from the UI/UX design.

The following examples present some possible options for how filtering could look.

Option 1

- The filtering is placed on the left pane
- It consists of several separated filtering criteria “boxes”
 - A free text input field
 - A list of checkboxes denoting the cuisine type
 - Price range
 - Date type filtering (“... all the cooking classes in March 2020”)
 - Rating
 - Geo location – denoted by the map on right pane



“CookEat” – Filter Options, low level design

Orit Kozolin, December 2019

Option 2

Similar to option 1. The only difference is the way the separate filter “boxes” are designed. Here, it is a colorful (grey) background to emphasize the different purpose of this pane.

Select Authors

☐ All Authors

☐ Nora Roberts (59)

☐ Stephen King (59)

☐ Dean Koontz (45)

☐ Terry Pratchett (42)

☐ Agatha Christie (39)

☐ Meg Cabot (37)

☐ James Patterson (36)


Book Ratings

☐ Rating < 3


☐ Rating 3 to 4

☐ Rating > 4


9408 results found in 2ms




Lush Life
by Richard Price
(3.69 avg)
Pub 2008




Curtsies & Conspiracies
by Gail Carriger
(4.11 avg)
Pub 2013



Reunion
by Karen Kingsbury, Gary Smalley
(4.49 avg)
Pub 2004



More Tales of the City
by Armistead Maupin
(4.18 avg)
Pub 1980



Thérèse Raquin
by Émile Zola, Robin Buss
(3.71 avg)
Pub 1867

Prev

1


2

3

4

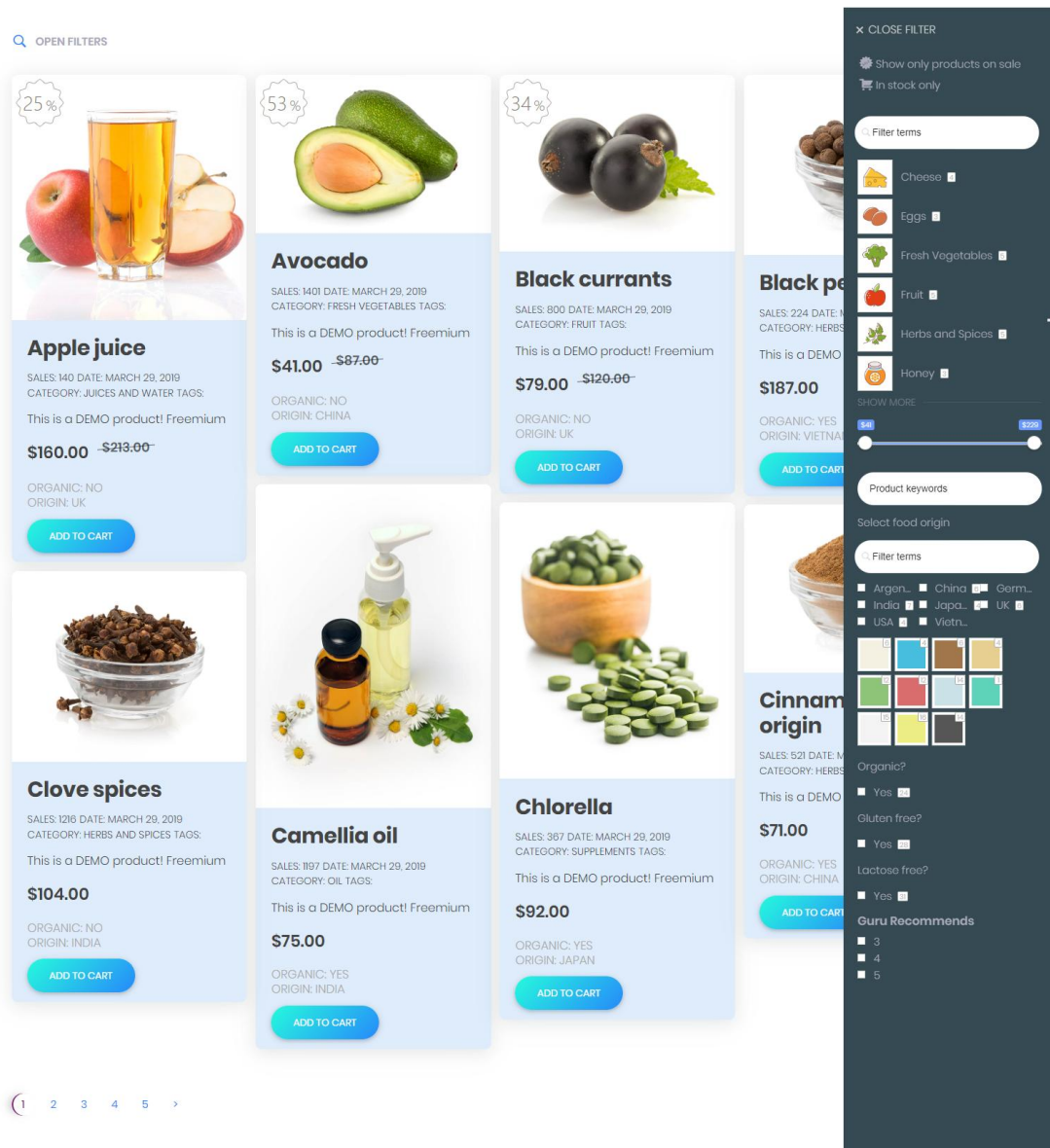
5

Next

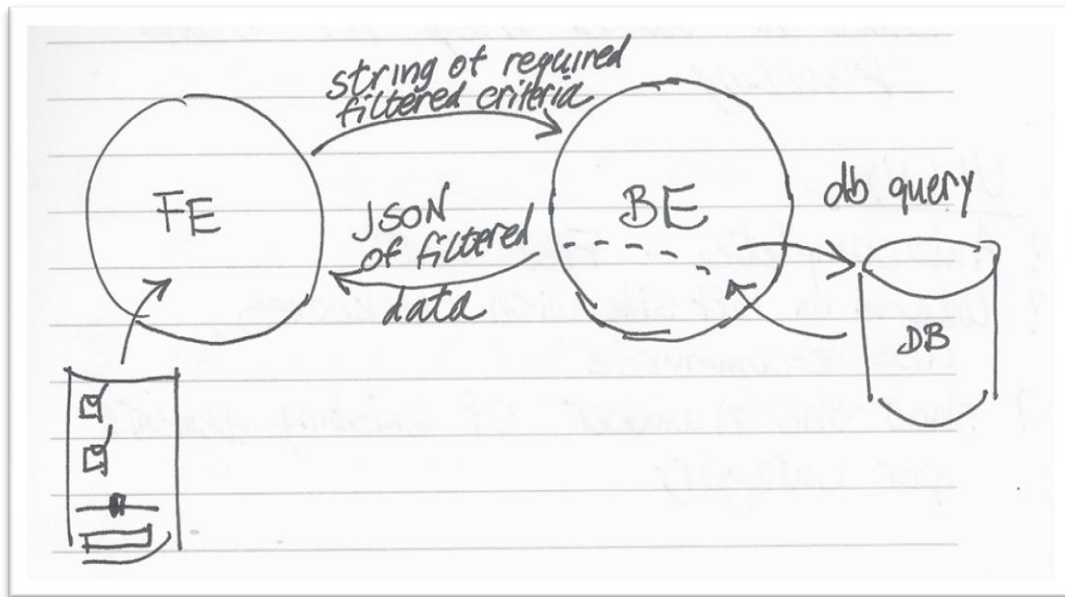


Option 3

- To activate filter option, press the filter button placed on top left
- The filtering is placed on the right pane (...could be left though)
- It consists of several separated filtering criteria (same as option 1)
 - A free text input field
 - A list of icons and text denoting the cuisine type. Can be multi selected
 - Price range
 - Date type filtering (“... all the cooking classes in March 2020”)
 - Rating
 - Geo location - Address auto complete (Google API)
- To close filter options, press the ‘X’ on the top corner of filter pane

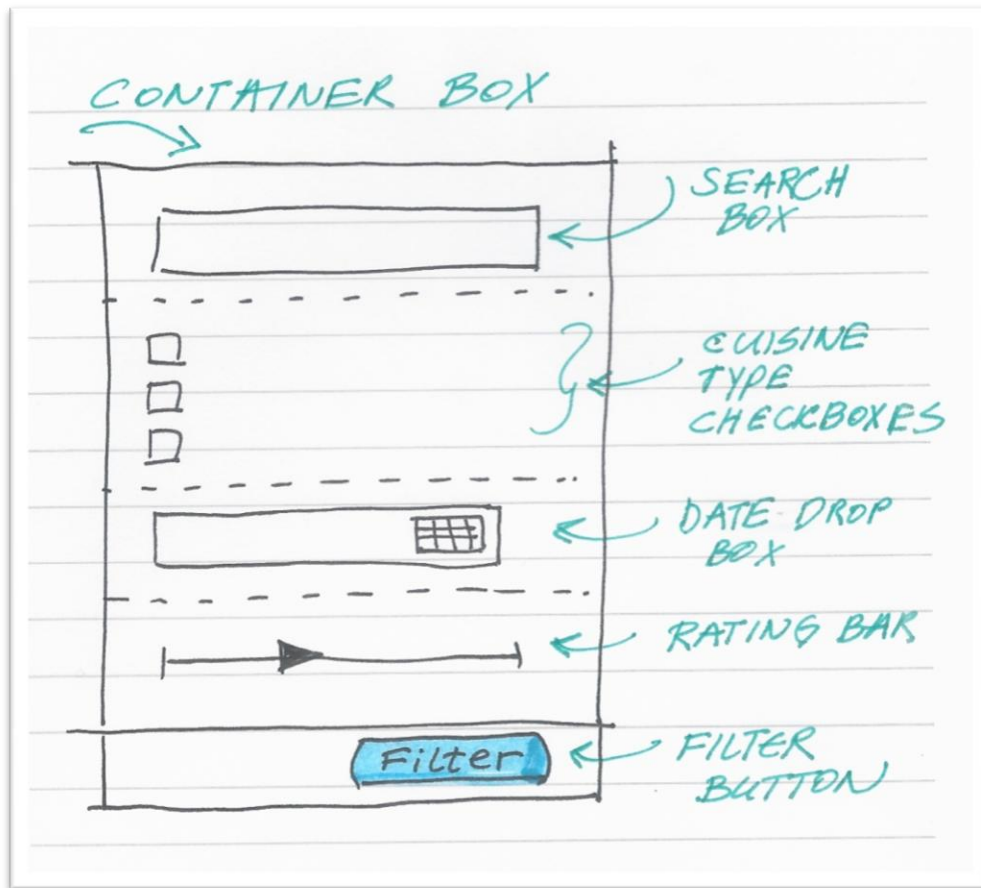


2 Flow from frontend to backend



3 Frontend

3.1 Components



3.1.1 Container box

- Input

N/A

- Output

Filter button - emit event **onClick** with all the filter parameters.

This is a UX decision, So that filtering is executed only upon request (pressing the button) and not each time some criteria changes.

(write here the description of the output object as agreed with BE

e.g { freetext: ..., checkboxes:})

3.1.2 Search box

```
ng generate component Search
```

- Input

Free text of type of cuisines, description, free text

- Output

3.1.3 A list of checkboxes denoting the cuisine type

- Input – Angular Material
- Output - Angular Material

3.1.4 Price range

- Input - Angular Material
- Output- Angular Material

3.1.5 Date type filtering

(“... all the cooking classes in March 2020”)

- Input - Angular Material
- Output- Angular Material

3.1.6 Rating

- Input
- Output

3.1.7 Geo location – denoted by the map on right pane

Required Google API

- Input
- Output

3.1.8 Geo dynamic map

Required Google API

- Input
- Output

3.2 Services

Not here, but in the customer container component, which will make the server calls

3.3 Pipes

N/A

4 Backend - Endpoints

Describe for each REST/RPC: URL, Http methods, Query string parameters, HTTP Request and Response Body, Input validations

4.1 Get a collection of filtered data

4.1.1 GET

e.g

```
/api/courses?type=chinese&sort=asc&offset=30&limit=100&search='a'
```

4.1.2 Responses

JSON

e.g

```
[{id: number, name: string}]
```

4.1.3 Validations

Check that type of received data is as expected

4.2 DB description - tables, procedures, relations, indexes

5 Error handling

5.1 FE Error Handling

5.1.1 Returned JSON is NULL or empty array

5.1.1.1 JASON is NULL

Will display: “Error”

5.1.1.2 Empty Array

Will display: “No Results”

5.1.2 Timeout or other Server errors – code 500

5.1.3 Return code 400+

Display error message with the text returned from server

5.2 BE Error Handling

5.2.1 No matching data found

5.2.2 DB internal error

6 Tests

6.1 FE Unit tests

6.2 BE Unit tests