

# smallcase Program Question

## Question

1. Link to Question - <https://medium.com/@smallcaseHQ/522a47bcd37c>
2. Design - <http://nosmalltask.s3-website.ap-south-1.amazonaws.com/#artboard0>

## Technical stacks used

1. React
2. D3
3. HTML5
4. CSS3

## Completed Tasks

1. Listing the stocks with 'prev' and 'next' navigation
2. Portfolio – Adding and removing the stocks
3. Adding shares to a stock
4. Stock worth calculation
5. Portfolio graph implementation in D3 with tool-tip support
6. Added CSS styles, number-count and animation
7. Added filters to the available stocks
8. Support responsiveness
9. Tested in Mozilla Firefox and Google Chrome

## Source Code

GitHub - <https://github.com/Sachinmanoj/stock-portfolio>

## Steps to launch app from Source code

1. Clone or download the source code using above GitHub URL  
Clone command - `'git clone git@github.com:Sachinmanoj/stock-portfolio.git'`
2. Do 'npm install' in the parent directory
3. Run 'npm start' command to launch the application

## Steps to launch app from Build

1. Need to launch a server to serve files in Build directory
2. To launch server use python (Link to Download)
3. Launch server in the 'Build' folder using below command,  
`python -m SimpleHTTPServer 3000`
4. Open below URL in browser  
<http://localhost:3000>

## Screenshots (Google Chrome)

### 1. Web page in 1920x989

### smallcase Portfolio Builder

PICK STOCKS

Showing 1 - 8 of 16 matching stocks

APPLY FILTER 5

ADANIT  
finance Service  
₹38

ADFI  
finance Service  
₹243.63

BRGR  
finance Service  
₹450.23

3M  
medical Service  
₹842.21

A2ZL  
medical Service  
₹17.5

ARTD  
medical Service  
₹653

ARTO  
medical Service  
₹357.2

ARV  
medical Service  
₹51.85

PREV

NEXT

MANAGE PORTFOLIO

STOCK	PRICE	SHARES	WEIGHT
KMSS	₹1,002.2	- 1 +	78.76%
III	₹812	- 1 +	0.64%
20ML	₹32	- 1 +	2.51%
ALAN	₹230.16	- 1 +	18.09%

Portfolio Overview

Value

1200  
1100  
1000  
900  
800

28 Jun 05 Jul 12 Jul 19 Jul 26 Jul

Stocks

4

Net Worth

₹1,272.48

P/E Ratio

8.21

P/B Ratio

8.21

BUILD PORTFOLIO

### 2. Web page in 1150 x 950

### smallcase Portfolio Builder

PICK STOCKS

Showing 1 - 8 of 16 matching stocks

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P/E Ratio

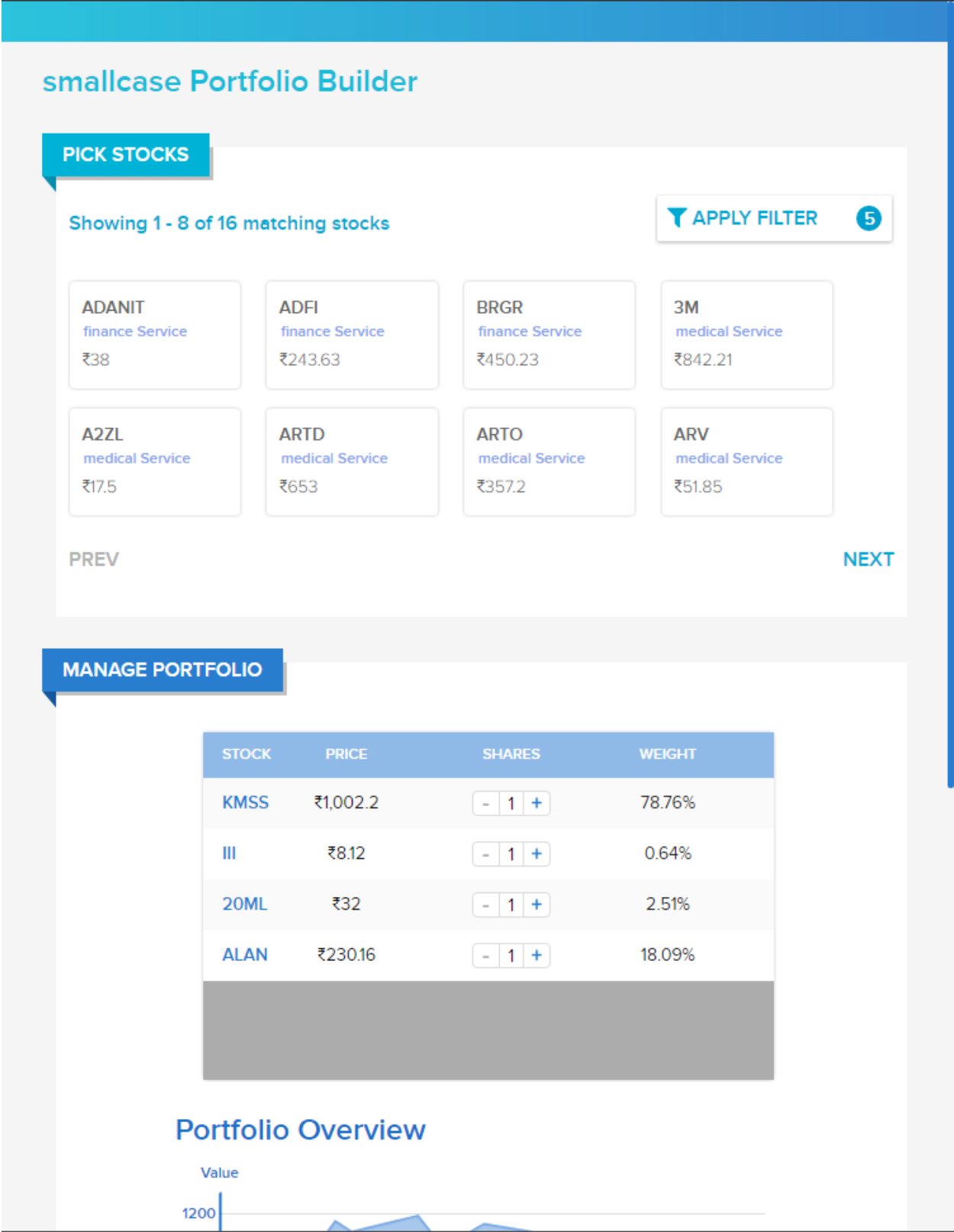
8.21

P/B Ratio

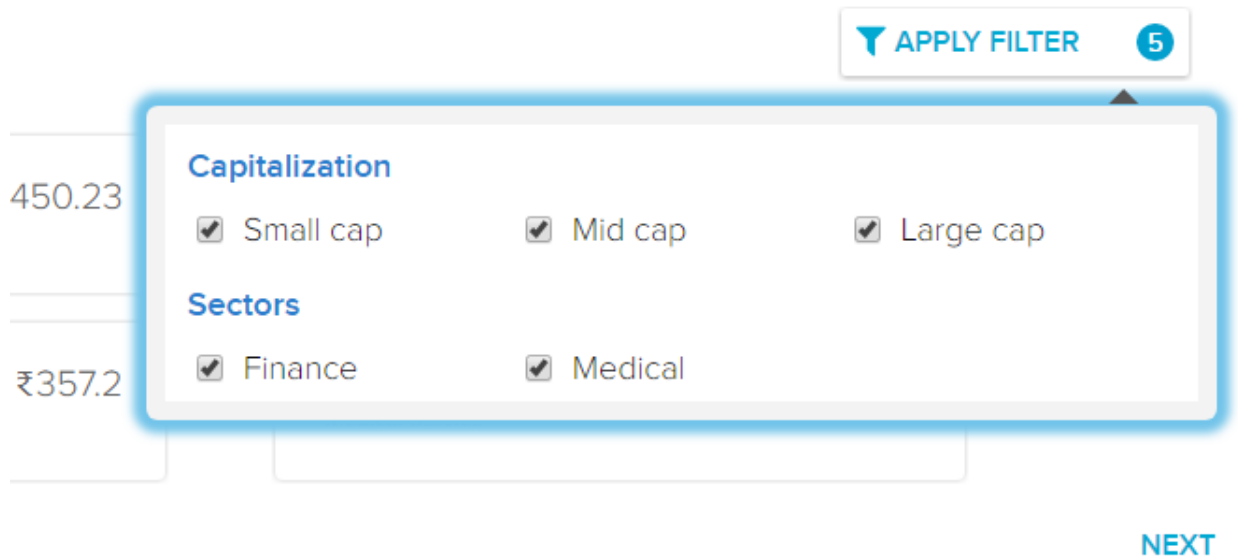
8.21

BUILD PORTFOLIO

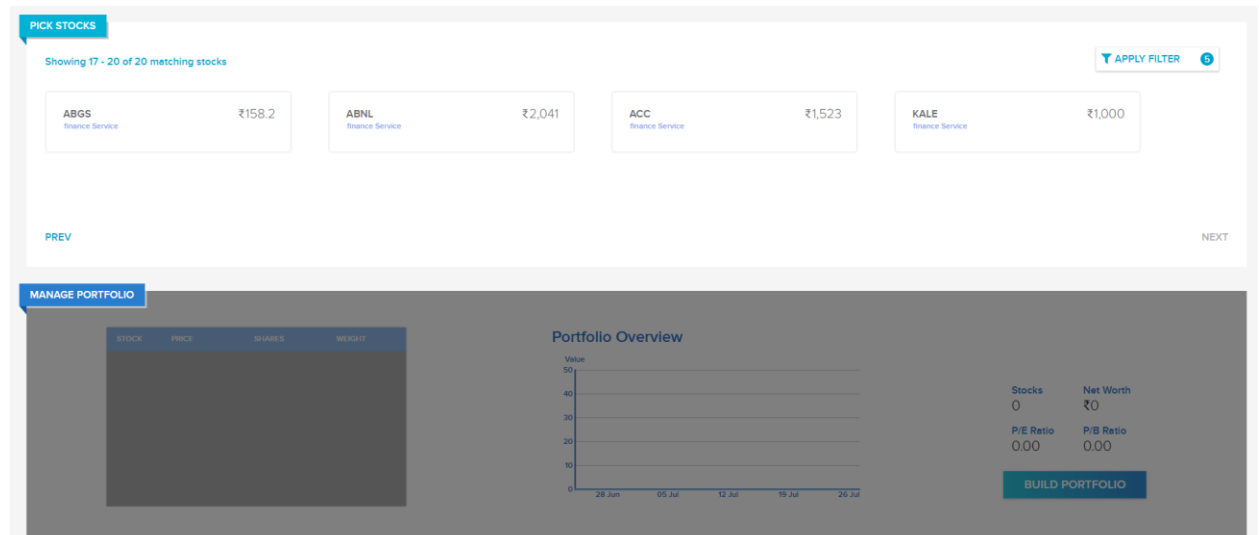
3. Web page in 750 x 950



#### 4. Apply Filter control



#### 5. Other screenshots



#### 6. Graph



### Improvements can be done

1. Animations to Apply filter control
2. Better animations to Available stocks and Portfolio table
3. Zoom support to graph
4. Animation support to the “Manage Portfolio” overlay element

### Known issues

1. No responsiveness support for Apply filter control and popup dialog
2. Apply filter popup dialog is closed only by clicking the Apply filter button control
3. “Proxima-Nova” font is not working in Mozilla Firefox

### Patch work

1. Added “800px” as the minimum width for Mozilla Firefox browser, due to flex box and flex shrink issue

### Notes

1. Recommended to use Google Chrome