

# Java Enterprise Edition

Fall Semester 2020

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## TASK 9

### Problem 1

Continue developing Internet Shop Application by using Spring Boot Framework. Use Thymeleaf framework as a front-view of your project. Now, you can add new entities, called **Countries** and **Brands**:

#### **Countries.java**

- Long id;
- String name;
- String code;

#### **Brands.java**

- Long id;
- String name;

*@ManyToOne*

- Countries country;

So, your **Items** entity will be changed into:

#### **Items.java**

- Long id;
- String name;
- String description;
- double price;
- int stars;
- smallPicURL;
- largePicURL;
- Date addedDate;
- boolean inTopPage; // if true, then this item will be in top of index page

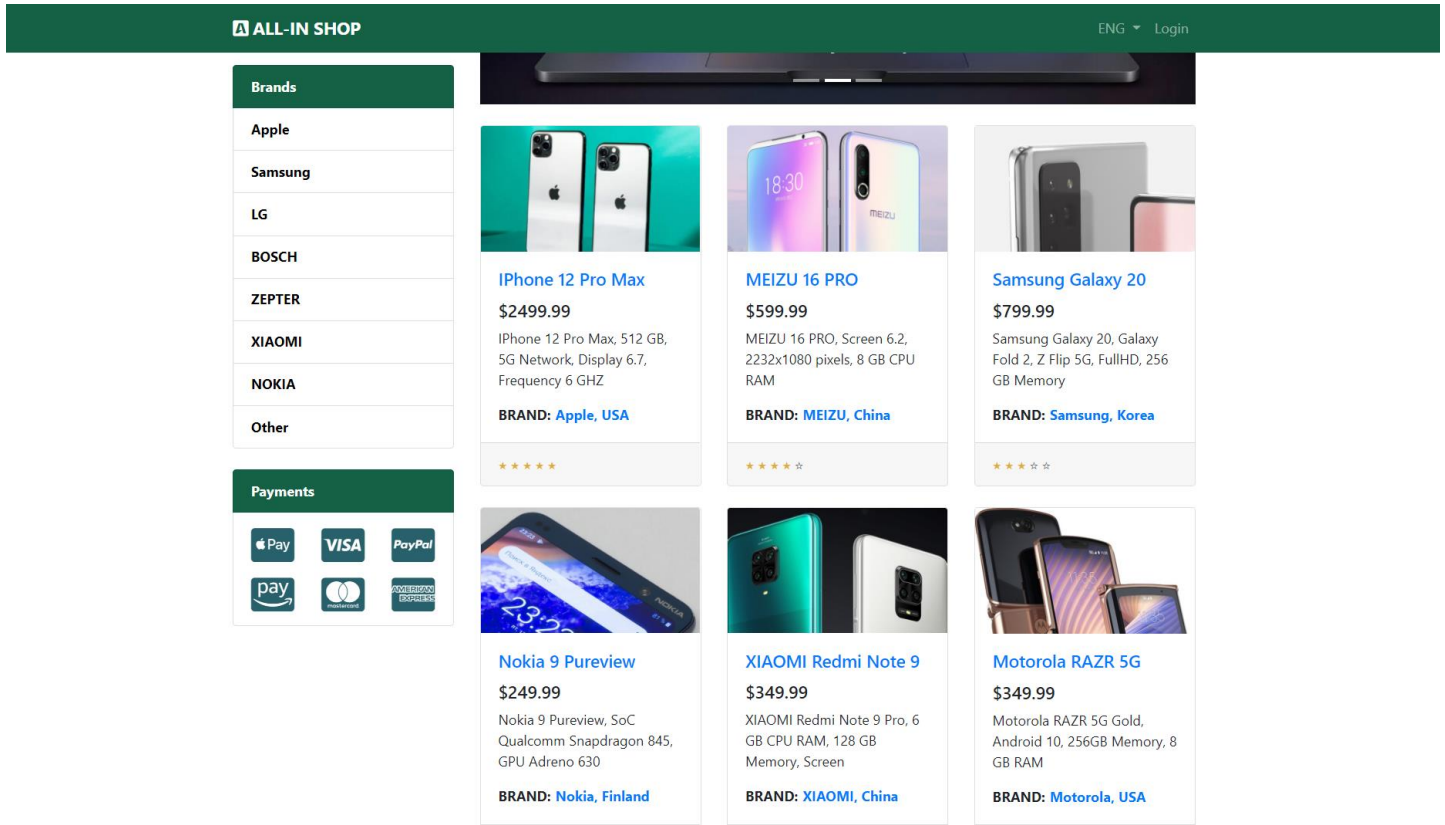
*@ManyToOne*

- Brands brand;

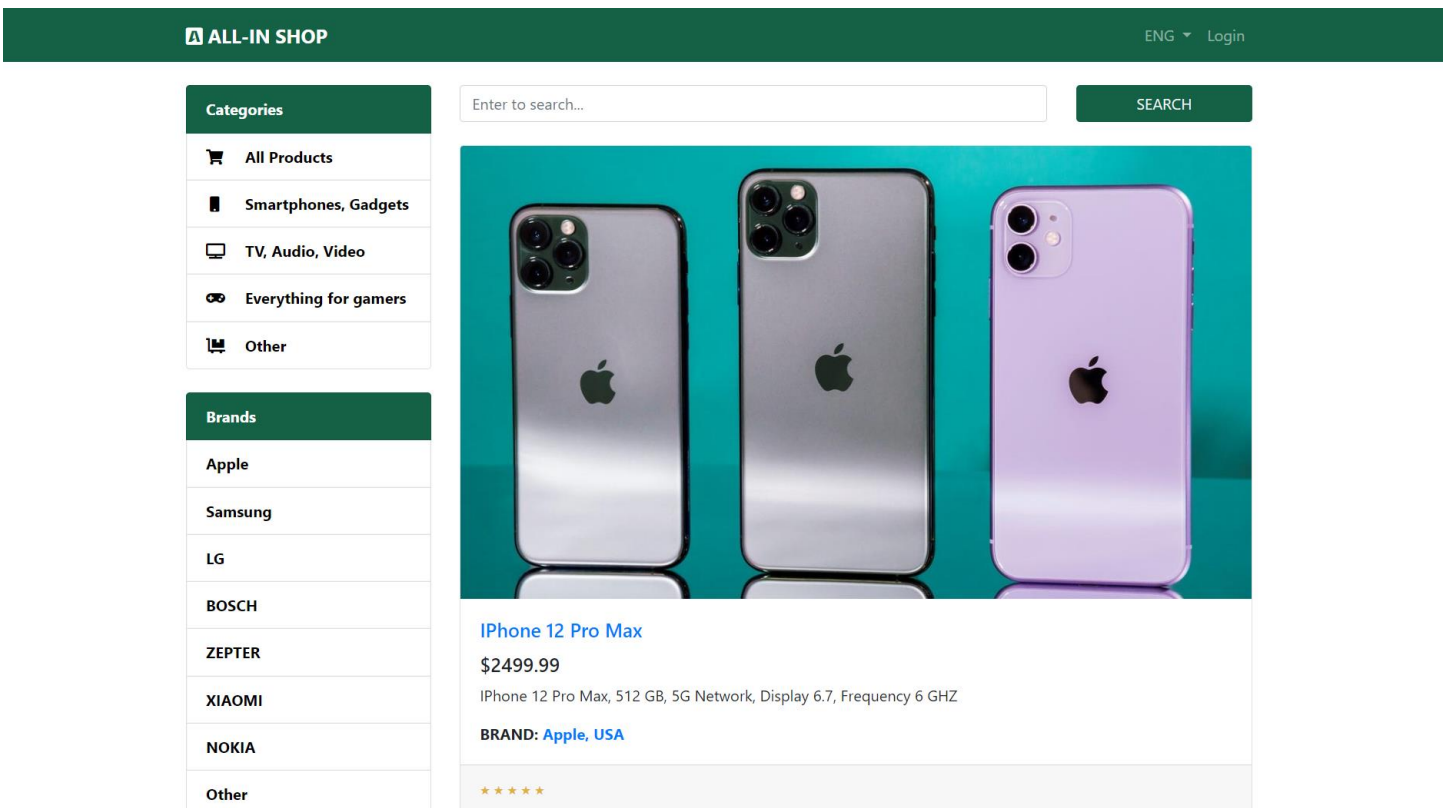
## Design Part

Re-style your front part of project. All your brands will be listed in left side bar of you page layout. Add brand link for each item:

## Index Page



## Details Page:



## Problem 2

Add filter for brands. You must be able to see a list of all items from selected brands. I suggest you add new filter for brands in search page, as shown in picture below:

ALL-IN SHOP

ENG Login

Categories

All Products

Smartphones, Gadgets

TV, Audio, Video

Everything for gamers

Other

Brands

Apple

Samsung

LG

BOSCH

ZEPTEK

XIAOMI

NOKIA

Other

Name :

Brand :

Price From :

Price To :

Enter to search...

Apple


SEARCH

Search Results:

Order by price: 

Ascending

Descending




iPhone 5s

\$299.99

iPhone 5S, Size 123,8×58,6×7,6 mm, Display PS, 4,0", 1136 × 640 pixels

BRAND: Apple, USA

★★★★★




iPhone 6

\$599.99

iPhone 6, Display 1334x750 pixels, Memory 32 GB, CPU Apple A8 + процессор M8

BRAND: Apple, USA

★★★★☆




iPhone 7

\$799.99


iPhone 7, 128 GB Memory, 1334x750 mm size, RAM 2GB, nano SIM, 138 gram weight

BRAND: Apple, USA


★★★★★



iPhone 8



iPhone 11



iPhone 12 Pro Max

For instance, if you click to "Apple" brand link in left side bar menu of your layout, you will be redirected into search page with "Apple" brand criteria in search panel with results automatically. Also, you may apply this feature for brand link in each item, under description.