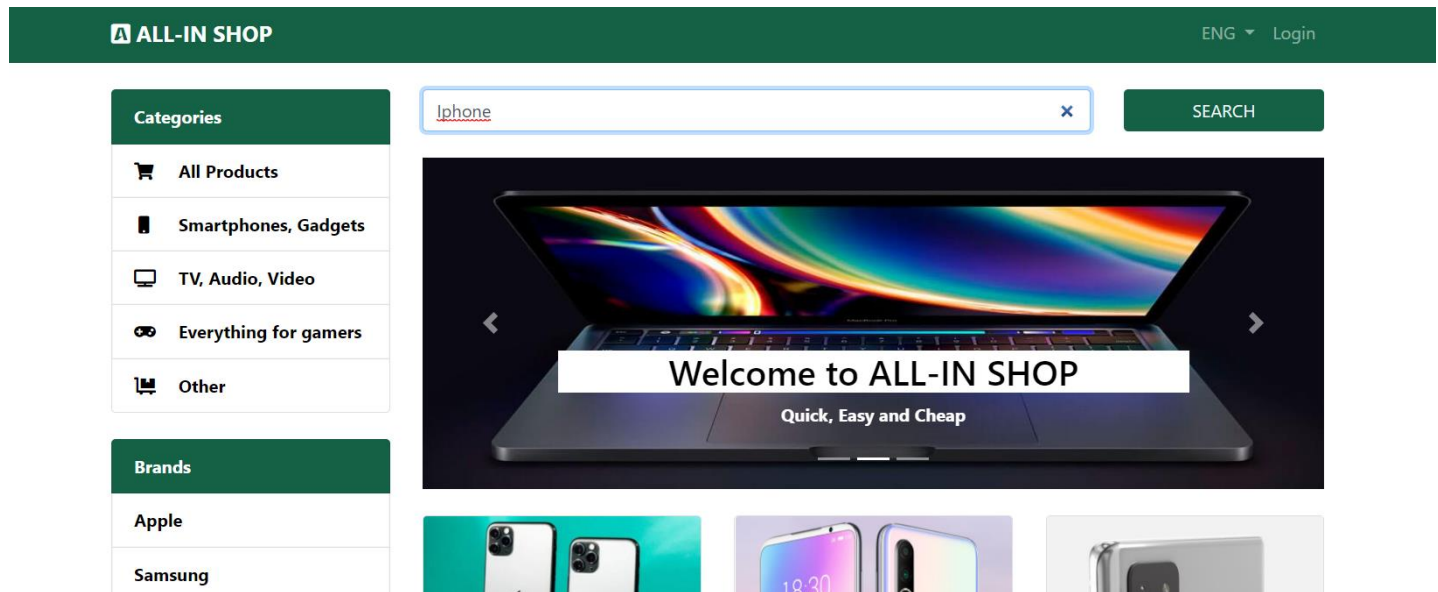# Java Enterprise Edition

Fall Semester 2020

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HOME TASK 8

Problem 1

Continue developing Internet Shop Application by using Spring Boot Framework. Use Thymeleaf framework as a front-view of your project.

Add search module to project. You can search items by inserting item name into search bar.

After inserting name into search bar, you will be redirected to detailed search page:

In detailed search page, you may order your result by price in ascending order or desending.

Also, you may enter price range for filtering your search.

Use JpaRepository (Spring Data) and Services to realize this process.

You will write your search logic in services. It means that, you will choose one of your methods from JpaRepository interface.

To order your result, you may use **OrderByPriceAsc** or **OrderByPriceDesc** suffixes in the end of your methods in JpaRepository interface.

Example:

List<Items> findAllByNameLike**OrderByPriceAsc**(String name);

List<Items> findAllByNameLike**OrderByPriceDesc**(String name);

List<Items> findAllByNameLikeAndPriceBetween**OrderByPriceAsc**(String name, double price1, double price2);

List<Items> findAllByNameLikeAndPriceBetween**OrderByPriceDesc**(String name, double price1, double price2);

Your Search Results page will be like this:

ALL-IN SHOP

ENG ▾   Login

Categories

🛒 All Products

📱 Smartphones, Gadgets

🖥 TV, Audio, Video

🎮 Everything for gamers

🛒 Other

Brands

Apple

Samsung

LG

BOSCH

ZEPTER

XIAOMI

NOKIA

Other

Payments

Apple Pay VISA PayPal
pay mastercard AMERICAN EXPRESS

Name :

IPhone

Price From :

Price To :

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

★★★★★

IPhone 6

$599.99

IPhone 6, Display 1334x750 pixels, Memory 32 GB, CPU Apple A8 + сопроцессор M8

★★★★☆

IPhone 7

$799.99

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

★★★★★

IPhone 8

$1199.99

IPhone 8, 2 GB Ram, 128 GB Memory, GPU Apple A11 Bionic, iOS 11

★★★★☆

IPhone 11

$1499.99

IPhone 11, 256 GB Memory, Display 1792×828, iOS 14, Apple A13 Bionic 4GB RAM

★★★★★

IPhone 12 Pro Max

$2499.99

IPhone 12 Pro Max, 512 GB, 5G Network, Display 6.7, Frequency 6 GHZ

★★★★★