

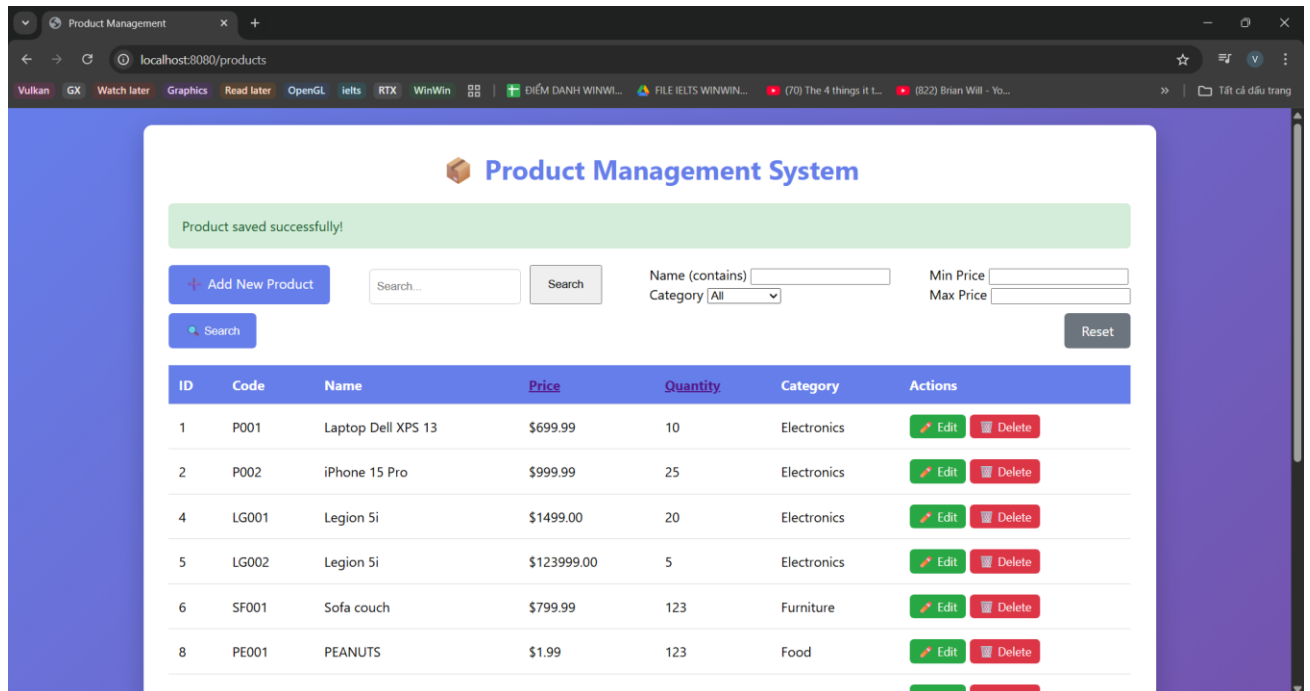
Web Application Development Lab 07

SPRING BOOT & JPA CRUD

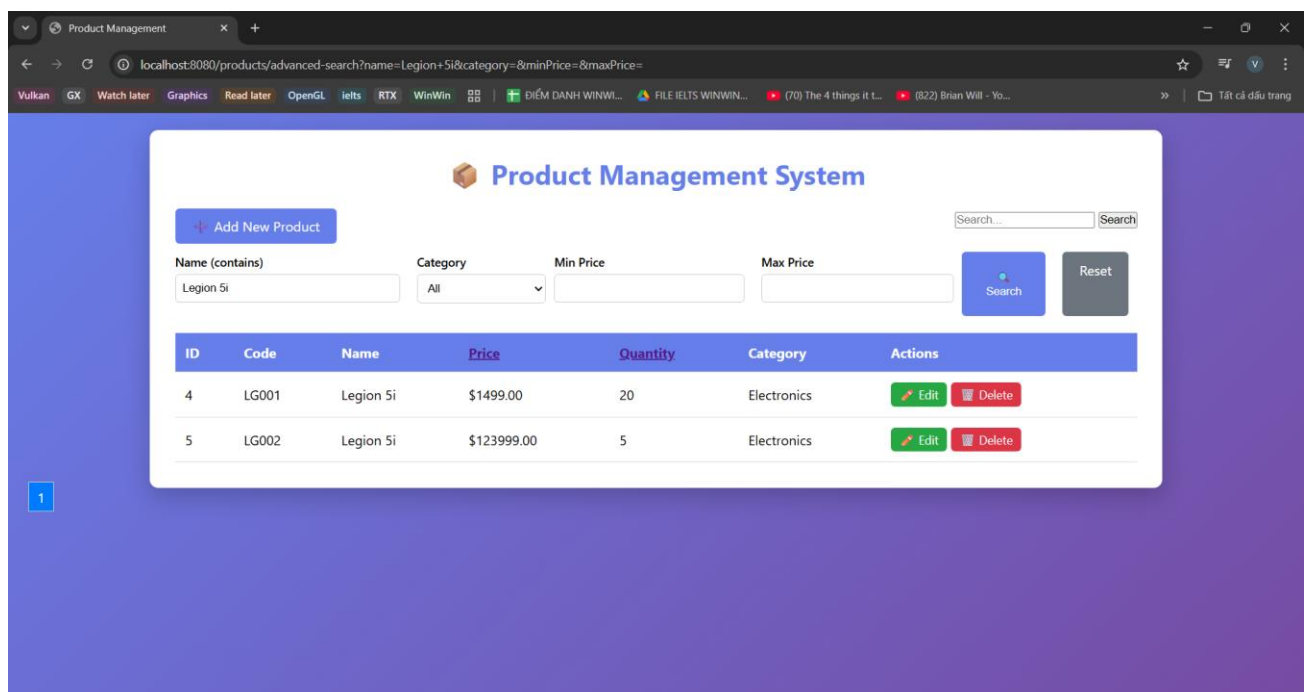
Part B – HOMEWORK

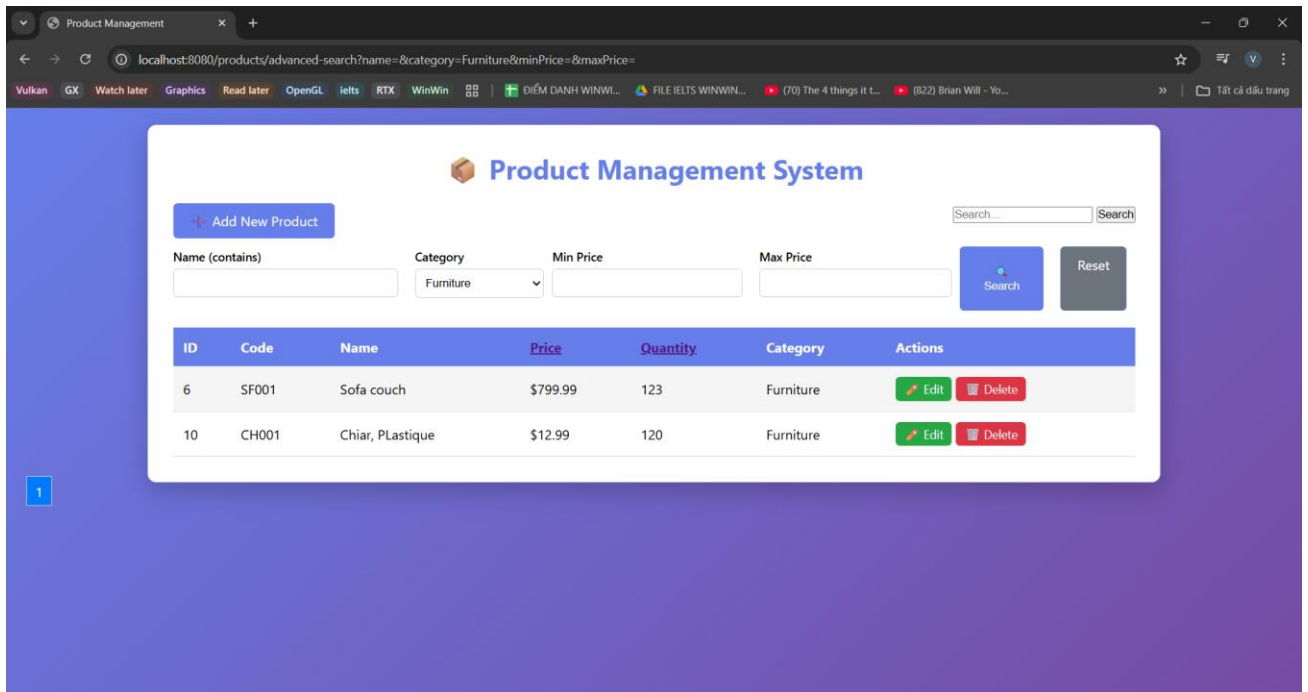
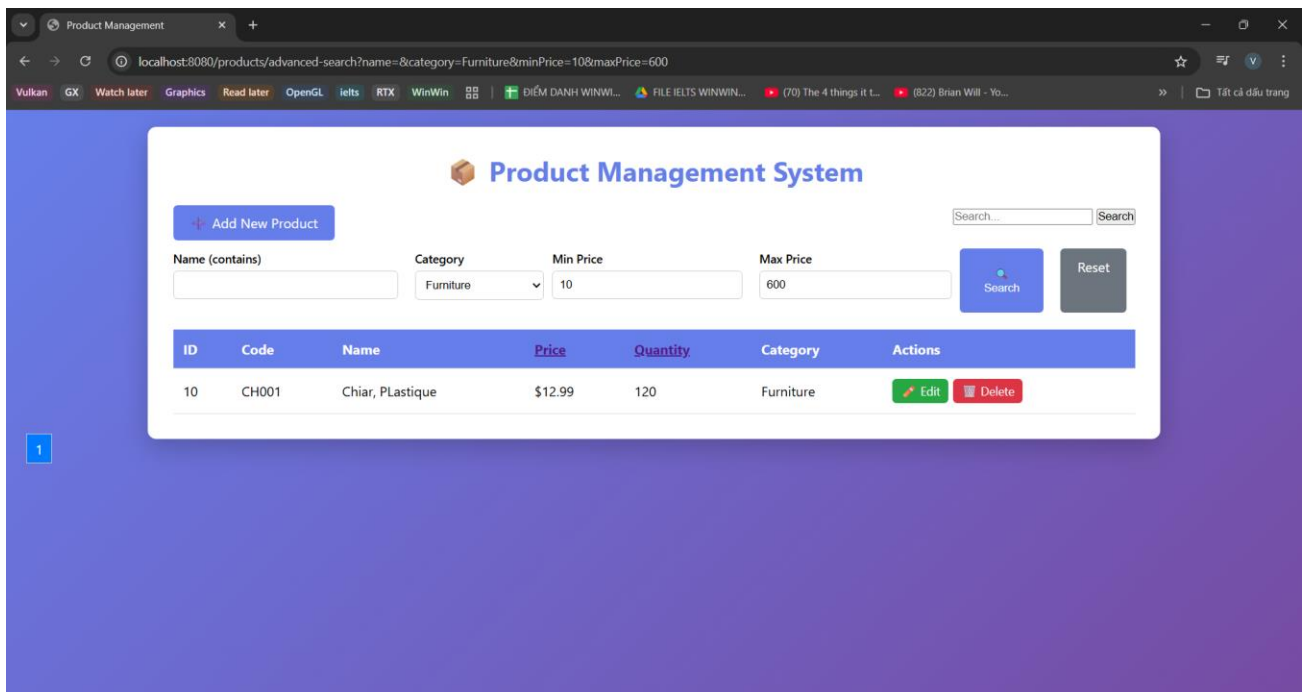
I. ADVANCED SEARCH

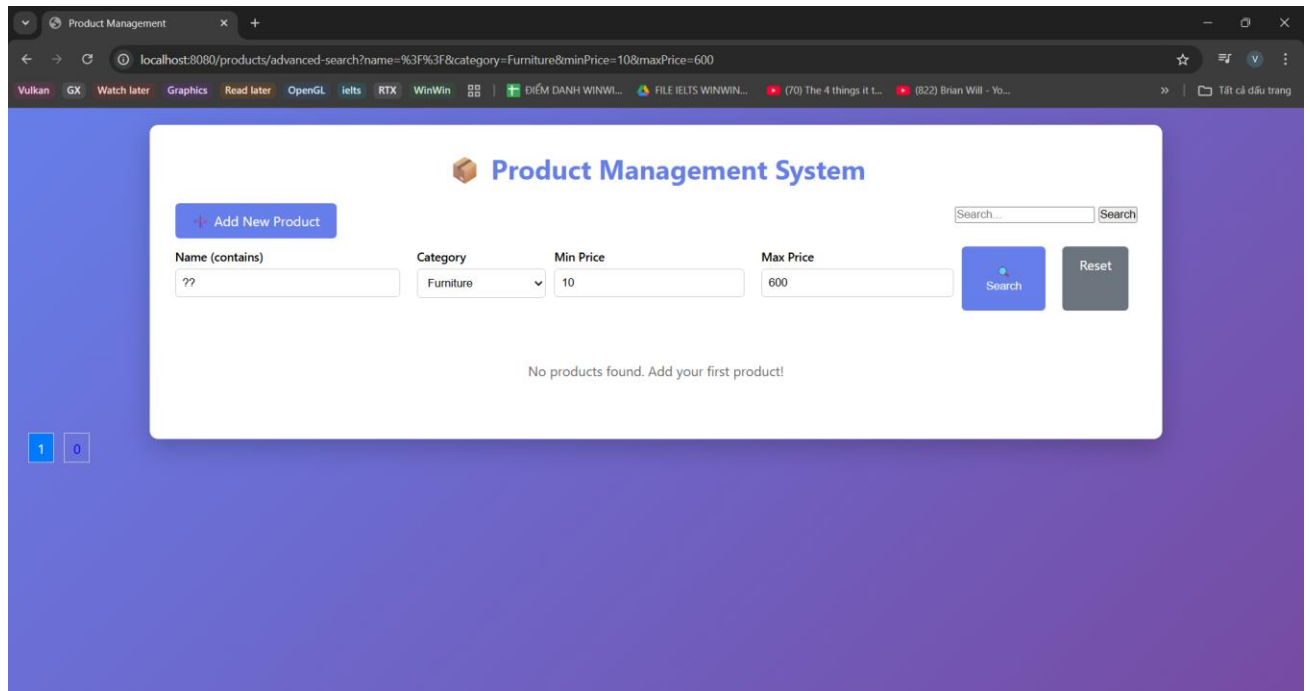
1. Multi-Criteria Search



Implementation



Searching for legion 5i*Furniture filter**Min & max price*



No products handling

II. VALIDATION

The screenshot shows a web browser window titled "Product Form" with the URL `localhost:8080/products/save`. The page features an "Edit Product" header with a pencil icon. Below the header is a form with the following fields: "Product Code *" with the value "P00" and a red border, "Product Name *" with the value "Laptop Dell XPS 13", "Price (\$) *" with the value "699,99", "Quantity *" with the value "10", "Category *" with a dropdown menu set to "Electronics", and "Description" with the value "High-performance laptop". A red error message below the "Product Code" field states "Product code must match format P1234".

***Issue[?]:**- Manual validation added on top of Jakarta validation, which(the Jakarta) did not work.

III. SORTING AND FILTERING

The screenshot shows the Product Management System interface. The URL bar indicates the products are sorted by price in ascending order: `localhost:8080/products?keyword=&category=&sortBy=price&sortDir=asc&minPrice=&maxPrice=`. The interface includes a search bar with fields for Name (contains), Category (All), Min Price, and Max Price, along with Search and Reset buttons. Below the search bar is a table of products.

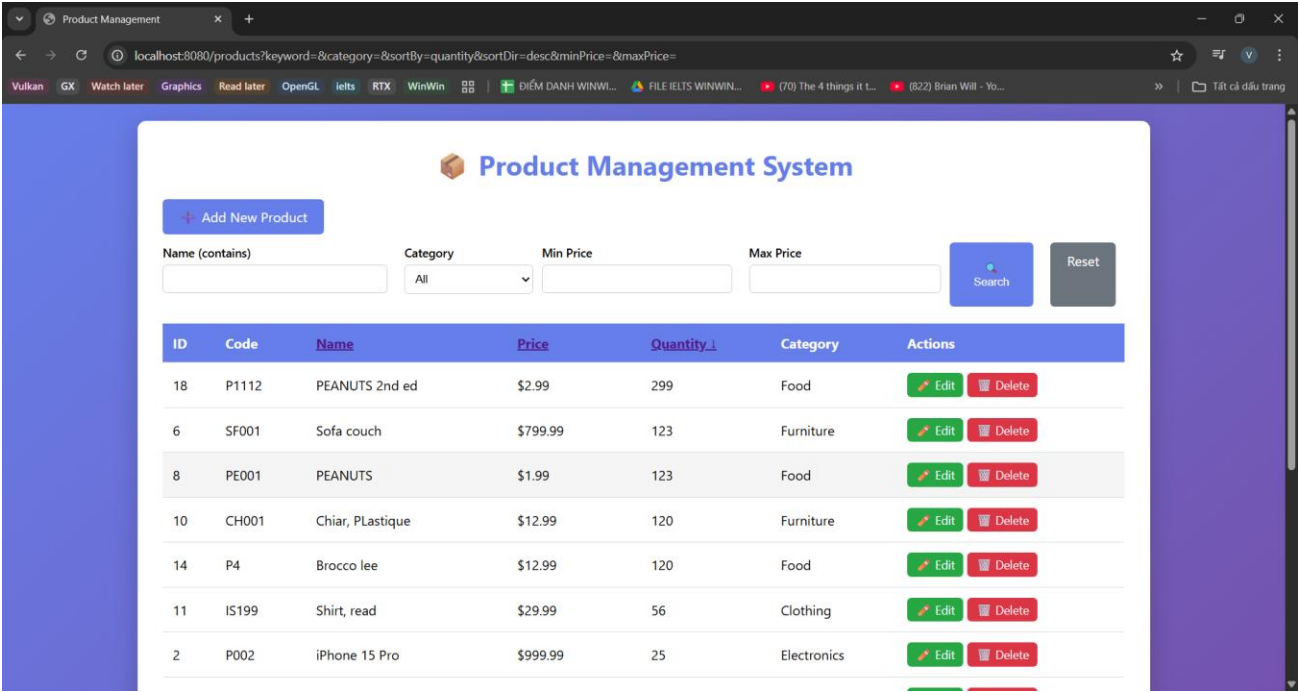
ID	Code	Name	Price	Quantity	Category	Actions
8	PE001	PEANUTS	\$1.99	123	Food	Edit Delete
13	P1	PEANUTS 1	\$1.99	12	Food	Edit Delete
18	P1112	PEANUTS 2nd ed	\$2.99	299	Food	Edit Delete
10	CH001	Chiar, PLastique	\$12.99	120	Furniture	Edit Delete
14	P4	Brocco lee	\$12.99	120	Food	Edit Delete
17	P1111	Legioniii fake	\$12.99	1	Electronics	Edit Delete
11	IS199	Shirt, read	\$29.99	56	Clothing	Edit Delete

Sort by Price ASC

The screenshot shows the Product Management System interface. The URL bar indicates the products are sorted by quantity in ascending order: `localhost:8080/products?keyword=&category=&sortBy=quantity&sortDir=asc&minPrice=&maxPrice=`. The interface includes a search bar with fields for Name (contains), Category (All), Min Price, and Max Price, along with Search and Reset buttons. Below the search bar is a table of products.

ID	Code	Name	Price	Quantity	Category	Actions
17	P1111	Legioniii fake	\$12.99	1	Electronics	Edit Delete
5	LG002	Legion 5i	\$123999.00	5	Electronics	Edit Delete
1	P001	Laptop Dell XPS 13	\$699.99	10	Electronics	Edit Delete
9	LG003	LG Screen	\$499.99	12	Electronics	Edit Delete
13	P1	PEANUTS 1	\$1.99	12	Food	Edit Delete
15	P11	think pad	\$1999.99	17	Electronics	Edit Delete
4	LG001	Legion 5i	\$1499.00	20	Electronics	Edit Delete

Sort by Quantity ASC



Sort by Quantity DESC

IV. STATISTICS DASHBOARD

