

Lab7: SPRING BOOT & JPA CRUD

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Time spent: 8 hours

Screenshots:


EXERCISE 5: ADVANCED SEARCH

i

















All Categories ▾

1

1299

 Advanced Search

All Categories ▾

ID	Code	Name	Price	Quantity	Category	Actions	
2	P002	iPhone 15 Pro	\$999.99	25	Electronics		
3	P003	Office Chair	\$199.99	50	Furniture		
4	P004	Office Chair Ergonomic	\$199.99	50	Furniture		
8	P007	iphone 14	\$40.00	11	Electronics		
9	P008	iphone 14 pro	\$100.00	19	Electronics		
10	P009	iphone 13	\$30.00	4	Electronics		
11	P0010	iphone 13 pr	\$55.00	23	Electronics		
14	P0011	iphone 12 pro	\$45.00	12	Electronics		

All Categories ▾

0

999999

Advanced Search

All Categories ▾

ID	Code	Name	Price	Quantity	Category	Actions	
1	P001	Laptop Dell XPS 13	\$1300.00	10	Electronics		
2	P002	iPhone 15 Pro	\$999.99	25	Electronics		
3	P003	Office Chair	\$199.99	50	Furniture		
4	P004	Office Chair Ergonomic	\$199.99	50	Furniture		
6	P006	RTX 5090	\$400.00	6	Other		
7	P005	RTX 4090	\$200.00	12	Other		
8	P007	iphone 14	\$40.00	11	Electronics		
9	P008	iphone 14 pro	\$100.00	19	Electronics		
10	P009	iphone 13	\$30.00	4	Electronics		
11	P0010	iphone 13 pr	\$55.00	23	Electronics		

12

Product Management

View Dashboard

Add Product

Search...

Name contains...

All Categories ▾

0

999999

Advanced Search

All Categories ▾

ID	Code	Name	Price	Quantity	Category	Actions	
14	P0011	iphone 12 pro	\$45.00	12	Electronics		
20	P0014	BookA	\$32.00	12	Books		
21	P0015	foodA	\$32.00	12	Food		

12

EXERCISE 6: VALIDATION

+ Add New Product

Product Code *

Enter product code (e.g., P001)

Product code must be 3-20 characters

Product code must start with P followed by numbers

Product code is required

Product Name *

FoodB

Price (\$) *

12

Quantity *

433

Category *

Food

Description

Enter product description (optional)

Save Product

Cancel

+ Add New Product

Product Code *

P0017

Product Name *

Enter product name

Name must be 3-100 characters

Product name is required

Price (\$) *

12

Quantity *

433

Category *

Food

Description

Enter product description (optional)

Save Product

Cancel

+ Add New Product

Product Code *

P0017

Product Name *

FoodB

Price (\$) *

0.00

Price is required

Quantity *

433

Category *

Food

Description

Enter product description (optional)

 Save Product

 Cancel

+ Add New Product

Product Code *

P0017

Product Name *

FoodB

Price (\$) *

12

Quantity *

0

Quantity is required

Category *

Food

Description

Enter product description (optional)

 Save Product

 Cancel

Product Management

View Dashboard

Add Product

Search...

Name contains...

Electronics

Min Price

Max Price

Advanced Search

Electronics

ID	Code	Name	Price	Quantity	Category	Actions
1	P001	Laptop Dell XPS 13	\$1300.00	10	Electronics	<div><div></div><div></div></div>
2	P002	iPhone 15 Pro	\$999.99	25	Electronics	<div><div></div><div></div></div>
8	P007	iphone 14	\$40.00	11	Electronics	<div><div></div><div></div></div>
9	P008	iphone 14 pro	\$100.00	19	Electronics	<div><div></div><div></div></div>
10	P009	iphone 13	\$30.00	4	Electronics	<div><div></div><div></div></div>
11	P0010	iphone 13 pr	\$55.00	23	Electronics	<div><div></div><div></div></div>
14	P0011	iphone 12 pro	\$45.00	12	Electronics	<div><div></div><div></div></div>

EXERCISE 8: STATISTICS DASHBOARD

Product Statistics Dashboard

Back to Products

Total Products

14

Total Inventory Value

\$73027.75

Average Price

\$260.43

Products by Category

Category	Count
Books	1
Electronics	7
Food	2
Furniture	2
Other	2

Low Stock Products (quantity < 10)

Code	Name	Quantity	Category
P006	RTX 5090	6 <div>Low</div>	Other
P009	iphone 13	4 <div>Low</div>	Electronics

Category	Count
Books	1
Electronics	7
Food	2
Furniture	2
Other	2

Low Stock Products (quantity < 10)

Code	Name	Quantity	Category
P006	RTX 5090	6 Low	Other
P009	iphone 13	4 Low	Electronics

Recent Products (last 5)

Code	Name	Category	Created At
P0017	FoodB	Food	2025-12-05 17:12
P0015	foodA	Food	2025-12-04 02:17
P0014	BookA	Books	2025-12-04 02:17
P0011	iphone 12 pro	Electronics	2025-12-03 01:03
P0010	iphone 13 pr	Electronics	2025-12-03 00:49