

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. They are positioned diagonally, with the blue one in front of the green one.

Project 0 Shopping Cart

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Tech Stack

- Scala 2.13 as the primary language
- MySQL for database management and access
- SBT in IntelliJ



User Commands

- Browse
- Cart
- Add
- Remove
- Checkout



Browse

- Reads from the Store's Database and displays on screen
- Pattern matching by name
- Browse by Department

Browse

```
Run: Main x
D:\Programs\Java\bin\java.exe "-javaagent:D:\Program Files\JetBrains\IntelliJ
Welcome to Selling Foods, where we sell food!
What is your desire?: Browse
| 1 || Carrots || $0.99 || 1.0 lbs.
| 2 || Celery || $0.99 || 1.0 lbs.
| 3 || Onion, Red || $3.99 || 3.0 lbs.
| 4 || Onion, Yellow || $3.99 || 3.0 lbs.
| 5 || Onion, White || $1.49 || 1.0 lbs.
| 6 || Green Beans || $2.99 || 1.0 lbs.
| 7 || Jalapenos || $1.99 || 1.0 lbs.
| 8 || Lettuce || $2.29 || 1.0 lbs.
| 9 || Cabbage || $2.58 || 2.0 lbs.
| 10 || Mushrooms || $4.99 || 1.0 lbs.
| 11 || Avacados || $2.5 || 1.0 lbs.
| 12 || Apples, Green || $1.99 || 1.0 lbs.
| 13 || Apples, Fuji || $1.99 || 1.0 lbs.
| 14 || Apples, Honeycrisp || $3.99 || 1.0 lbs.
| 15 || Grapes, Red || $5.98 || 2.0 lbs.
| 16 || Grapes, Green || $5.98 || 2.0 lbs.
| 17 || Spinach || $3.98 || 2.0 lbs.
| 18 || Kale || $5.0 || 2.0 lbs.
| 19 || Bananas || $0.79 || 1.0 lbs.
| 20 || Pears || $0.99 || 1.0 lbs.
| 21 || Oranges || $0.99 || 1.0 lbs.
| 22 || Garlic || $0.99 || 1.0 lbs.
| 23 || Strawberries || $0.99 || 1.0 lbs.
| 24 || Blueberries || $0.99 || 1.0 lbs.
| 25 || Blackberries || $0.99 || 1.0 lbs.
| 26 || Raspberries || $0.99 || 1.0 lbs.
| 27 || Peaches || $0.99 || 1.0 lbs.
| 28 || Pineapples || $0.99 || 1.0 lbs.
| 29 || Watermelon || $0.99 || 1.0 lbs.
```


```
Run: Main x
D:\Programs\Java\bin\java.exe "-javaagent:D:\Program Files\JetBrains\I
Welcome to Selling Foods, where we sell food!
What is your desire?: browse orange
| 21 || Oranges || $0.99 || 1.0 lbs.
| 117 || Orange Chicken || $0.99 || 1.0 lbs.
| 170 || Yogurt - Orange Creme || $0.99 || 1.0 lbs.
What is your desire?: browse dairy
| 166 || Milk || $0.99 || 1.0 lbs.
| 167 || Butter || $0.99 || 1.0 lbs.
| 168 || Cottage Cheese || $0.99 || 1.0 lbs.
| 169 || Yogurt - Vanilla || $0.99 || 1.0 lbs.
| 170 || Yogurt - Orange Creme || $0.99 || 1.0 lbs.
| 171 || Yogurt - Strawberry || $0.99 || 1.0 lbs.
| 172 || Yogurt - Blueberry || $0.99 || 1.0 lbs.
| 173 || Cheese - Marscapone || $0.99 || 1.0 lbs.
| 174 || Cheese - Ricotta || $0.99 || 1.0 lbs.
| 175 || Cheese - Cheddar || $0.99 || 1.0 lbs.
| 176 || Cheese - Smoked Cheddar || $0.99 || 1.0 lbs.
| 177 || Cheese - Monterey Jack || $0.99 || 1.0 lbs.
| 178 || Cheese - Pepper Jack || $0.99 || 1.0 lbs.
| 179 || Cheese - Provolone || $0.99 || 1.0 lbs.
| 180 || Cheese - Havarti || $0.99 || 1.0 lbs.
| 181 || Cheese - Havarti with Dill || $0.99 || 1.0 lbs.
| 182 || Cheese - Mozzarella || $0.99 || 1.0 lbs.
What is your desire?:
```



Cart

- Lets the user view his cart
- Cart is stored in the database
- Cart remains populated between sessions

Cart



```
Run: Main x
D:\Programs\Java\bin\java.exe "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Com
Welcome to Selling Foods, where we sell food!
What is your desire?: cart
| 14 || Apples, Honeycrisp || $3.99 || 1.0 lbs.
| 154 || Apple Fritters || $0.99 || 1.0 lbs.
| 130 || Pizza, Garlic Chicken Alfredo || $0.99 || 1.0 lbs.
| 130 || Pizza, Garlic Chicken Alfredo || $0.99 || 1.0 lbs.
| 16 || Grapes, Green || $5.98 || 2.0 lbs.
What is your desire?:
```



Add

- Adds the selected item to the shopping cart
- Done via itemID
- Can have duplicate items in the cart

Add

```
Run: Main x
D:\Programs\Java\bin\java.exe "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA C
Welcome to Selling Foods, where we sell food!
What is your desire?: cart
| 151 || Chocolate Cream Pie || $0.99 || 1.0 lbs.
| 152 || Banana Cream Pie || $0.99 || 1.0 lbs.
What is your desire?: add 130
added 130 to your cart
What is your desire?: cart
| 151 || Chocolate Cream Pie || $0.99 || 1.0 lbs.
| 152 || Banana Cream Pie || $0.99 || 1.0 lbs.
| 130 || Pizza, Garlic Chicken Alfredo || $0.99 || 1.0 lbs.
What is your desire?:
```



Remove

- Removes the selected item from the cart
- Done via itemID
- Removes only one copy

Remove

```
Run: Main x
D:\Programs\Java\bin\java.exe "-javaagent:D:\Program Files\JetBrains\IntelliJ
Welcome to Selling Foods, where we sell food!
What is your desire?: cart
| 151 || Chocolate Cream Pie || $0.99 || 1.0 lbs.
| 152 || Banana Cream Pie || $0.99 || 1.0 lbs.
| 130 || Pizza, Garlic Chicken Alfredo || $0.99 || 1.0 lbs.
What is your desire?: remove 151
removed 151 to your cart
What is your desire?: cart
| 152 || Banana Cream Pie || $0.99 || 1.0 lbs.
| 130 || Pizza, Garlic Chicken Alfredo || $0.99 || 1.0 lbs.
What is your desire?: |
```



Checkout

- Displays the total cost of the shopping cart
- Removes all items from the shopping cart

Checkout

```
Run: Main x
D:\Programs\Java\bin\java.exe "-javaagent:D:\Program Files\JetBrains\Int
Welcome to Selling Foods, where we sell food!
What is your desire?: cart
| 19 || Bananas || $0.79 || 1.0 lbs.
| 23 || Strawberries || $0.99 || 1.0 lbs.
| 169 || Yogurt - Vanilla || $0.99 || 1.0 lbs.
What is your desire?: checkout
Thank You for shopping with us today! Your total is: $2.77
What is your desire?: cart
What is your desire?: |
```



Thank You

Thank you for your time

Christopher Selling