

POBest

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CS-151

Teamproject

Purpose

- Creating a POS system that can be used at stores
- Using database system to store a unique menu set

MVC Design

- Model: to store the menu items and shopping cart
- View: menu items, edit, and cart frames/panels
- Controller: main frame

LIVE DEMO

Problem 1/3

- Editing menu items didn't update the buttons in the main frame
- Since they are different object frames, we needed something that can interact between them

Solution 1/3

- Since both frames get data from items list, we implemented that items list can work as communicator between the frames

Problem 2/3

- When the values for price multiplied by tax and tips would result in a decimal number with more than 3 decimal places

Solution 2/3

- We converted values into bigdecimal to fix the errors

Problem 3/3

- There was coupling among side status canvas, checkout panel, credit panel, and change panel

Solution 3/3

- We created accessors for each and made them as immutable as possible