Proposal

Title: In-store Food-ordering System

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Description of project:

In-store food ordering system accepted orders from customers in the store location. Customers are able to pick in store dinning or takeouts based on their needs. Takeouts will add additional fee to the total bill amount at checkout. The menu itself is getting loaded in the system by having a file(.txt) from which the program will read the menu item and store it in the application. Customers are required to select the size of the items on the menu before putting them into the cart, selecting items will increase the total bill amount in the cart. Menu also offers customers the option to search for specific items. Customers can search for specific items using keywords or categories and refine their search with filters for category or rating. After making their selections, they can review their shopping cart, where they have the option to edit or delete items, or reset the entire cart if needed. When ready, customers can proceed to the checkout to complete their purchase. The customers can view their purchase as a summary and choose from several payment options. They can also enter valid promo code or coupons for discounts and choose whether to get the receipt as a text file or not. Once the order is confirmed, the statue of the order and its time taken are shown on the screen. After the order is complete, the customers could choose to submit their rating on a 0 to 5 star scale and a detailed feedback.

Features:
1. Main page
    a. The first page customers see when they access the system.
    b. Options: In store dinning or takeouts are the only 2 options on the page
    c. For the simplicity of our program, both of the options will direct you to the same menu, but selecting takeouts will add an additional takeout fee at checkout.
2. Menu page
    a. The menu is getting loaded in the system by having a file(.txt) from which the program will read the menu item and store it in the application
    b. Display food and drinks options
    c. Customers are able to selected small/medium/large for both food and drinks
    d. Add to shopping cart: there will be a plus sign for all the items shown on the menu, customers can use it to add the selected item into the shopping cart.
    e. Search button: there will be a sign to direct the customer to the search page.
    f. Shopping cart button: user will be directed to the shopping cart page
3. Search Page

      a. Item Search: Users can search for products by item name
      b. Product Filter: Users can narrow down search results by applying filter for category and rating
      c. Search History: Users can view previously searched items.

4. Shopping Cart Page
      a. Review Shopping Cart: Users can view a summary of selected items, including quantities, sizes, prices, and total cost.
      b. Edit item: User can modify the quantities or sizes for selected items.
      c. Delete Item: User can remove unwanted items from the shopping cart.
      d. Reset Shopping Cart: Users can remove all items from the shopping cart.
      e. Checkout Button: User will proceed to the payment page.

5. Payment Page
      a. Order summary: Show a detailed summary of the items selected (quantities, prices, fees, total cost)
      b. Payment method: Offer multiple payment options such as credit/debit cards, ApplePay or cash
      c. Promotion Code/Coupons: Allow customers to apply discounts or promotional codes; the invalid and outdated code will be warned
      d. Receipt: Display an option to get the receipt or not (if yes, the program will create a text file with all of the informations in order summary)
      e. Return Button: Going back to the shopping cart to edit

6. Track and rate Order
      a. Order statue: Show real-time updates on the order status, such as received, in-preperation, ready to pick-up
      b. Estimate Time: Provide an estimated time for when the order will be ready or delivered
      c. Rating & Feedback: Allow customers to rate their order and experience using a star rating system and to leave additional comments or suggestions regarding their order or overall experience

(Optional) Technical Approach: Java