

CS23403 FULL STACK TECHNOLOGIES

Course instructor: V P Jayachitra

Instructions : Create a File followed your last four digit register number (I.e Quiz5001.html, .css, .js)

Topic : Array and Objects

Write a Shopping list manager app that should allow users to add items to their list, remove the last item if needed, and sort the list alphabetically for easier shopping. Additionally, it should allow users to manage quantities for each item and group them by categories such as dairy, bakery, or produce. The goal is to ensure that users can easily create and manage their shopping lists. The program should also handle empty inputs and duplicates.

Shopping List Manager

Dairy ▾

Add Item

Remove Last

Sort Items

Shopping List: ["19 pencil", "2 milk"]

Items by Category:

Dairy:

- 2 milk

Others:

- 19 pencil

Write a Grade Calculator program that allows course instructors to input student names along with their grades. The application should perform the following functions:

Input Student Grades: Users should be able to input student names and corresponding grades (between 0 and 100) into the system.

Calculate Letter Grades: Based on the numeric grade, the system should calculate the corresponding letter grade (e.g., O, A+ A, B+, B, U).

Display Statistics: The app should calculate and display the following statistics for the list of grades:

The average grade of all students.

The highest and lowest grades in the list.

The corresponding letter grade for each student (O, A+ A, B+, B, U).

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Grade Calculator

Grades:

SURYA: 80 (A)

Varma: 70 (B+)

Rani: 90 (O)

Average: 80.00

Highest: 90

Lowest: 70