

## Vegetable Selling Application

Problem Statement: - A customer is going to buy some vegetables to a local food seller who is having different types of vegetables at different rates with limited stocks.

### Application Output

- List of all available vegetables with quantity must be visible to customer.
- Calculate the total bill for customer once shopping completed.
- For next customer display the remaining items.

Note: - Vegetables related information must be entered by a seller at initial level such as, List of Vegetables, Quantity of each vegetable and rate of vegetables. **No Database required.**

Module 1: - Enter Vegetables availability

30 marks

Vegetables Id	Total Quantity Available for sale	Vegetable Description	Vegetable Rate
User Input	User Input	User Input	User Input

Note: Rate can be in kg or dozen according to Vegetables

Module 2: - Customer purchase module

30 marks

Vegetable Id	Total Quantity Available per Vegetable for purchase	Vegetable Description	Vegetable Rate
Fetch from module 1	Fetch from module 1	Fetch from module 1	Fetch from module 1

Output: After every purchase remaining item must be visible to next customer recursively.

Module 3: - Customer Bill Generation module

40 marks

Vegetables Id	Total Quantity purchased	Vegetables Description	Vegetables Rate	Cost of Vegetables
Fetch from module 1	Input by customer	Fetch from module 1	Fetch from module 1	Auto Generated

**Final Output: - Total bill Customer need to pay.**

Requirement: - Vegetable's quantity, Number of Vegetables and rate of Vegetables must be entered at a run time. All quantity must be limited.

⇒ Mark Distribution:

Validation of Vegetables Id	10 marks
Validation of quantity	10 marks
Enter valid Vegetable's name based on Category as mentioned	10 marks
Customer list display validation	20 marks
Validation of price	10 marks
Validation of Customer purchase	20 marks

Validation of remaining quantities

20 marks