HOW'S THE FOOD? HOT SIR!!!

RESTAURANT BILLING SYSTEM

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Problem Definition

Whenever we want to have fast food, we are required to stand in long queues before we can finally order. Our program eliminates need for queues by directly taking the order from the customer and passing it to the staff who there provide the order to them. To do this the program employs linked list data structure.
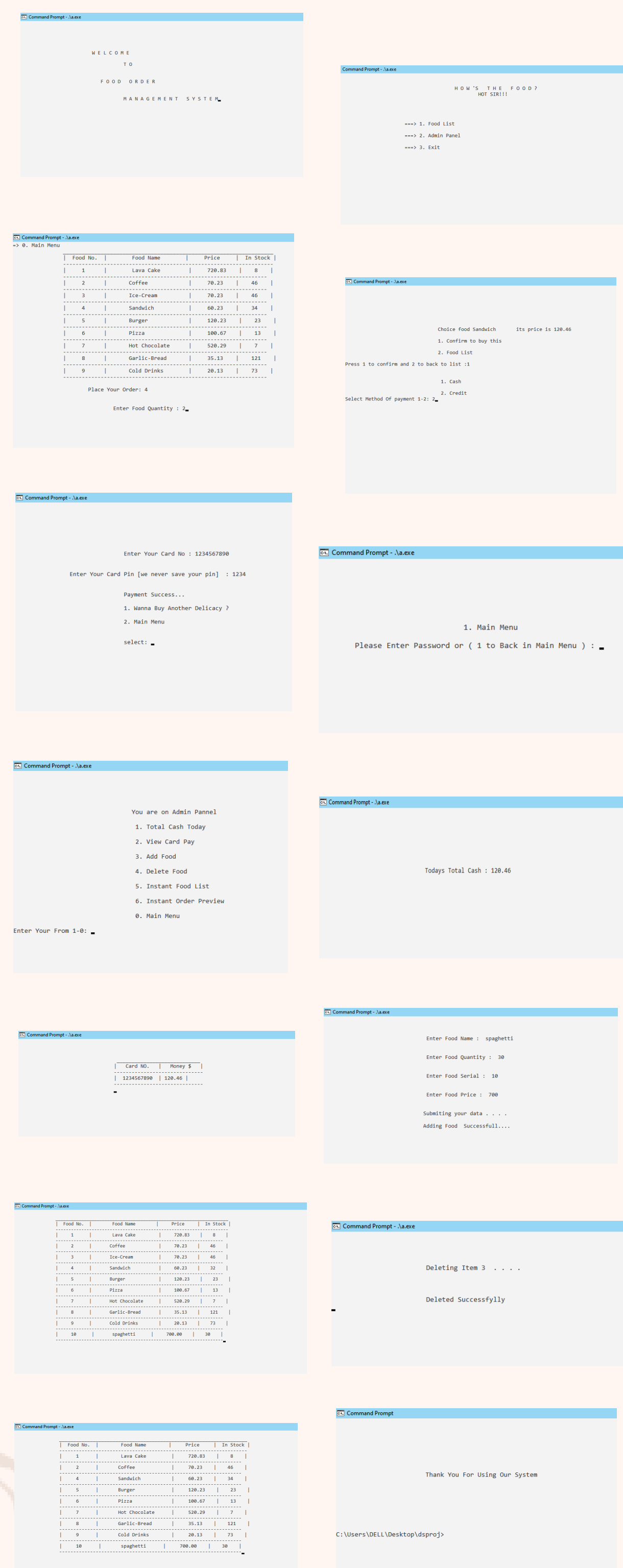
Data Structure

The data structure used in this program is Linked List. Linked list is an order set of data elements ,each containing a link to its successor .
Advantages of Linked list:
• It gives dynamic memory allocation.
• It can grow & shrink during Run Time.
• Insertion & deletion operation is easier.
• Efficient memory utilization & fast access.

Functions / Modules

MAIN LOGIC FUNCTIONS	EXTRA FUNCTIONS
• Insertfood function	• Pre()
• Deletefood function	• Br()
• Updatelist function	• Span()
• Display function	• Middleln()
	• Midtab()
	• Echo()

Conclusions

Hence, by this program we get to know the most efficient way to manage accounts or authority based management,linked list is the preferred one as it gives us an efficient approach and reduces space and time complexity of the program

Algorithm for each Module

Insert Food Function:
The insertfood function accepts the information about the order and the head printer as parameters.
It creates a new node and assigns the information to the data part of the node and makes the next pointer point to NULL.
If the list is empty the order will be first and head printer will point to this new node.
If list is not empty, we traverse to the end of the list and insert our node into the first.

Delete Food Function:
It accepts serial no. as input.
The serial no. of each node in the first check.
And removes the node with the matching serial no.

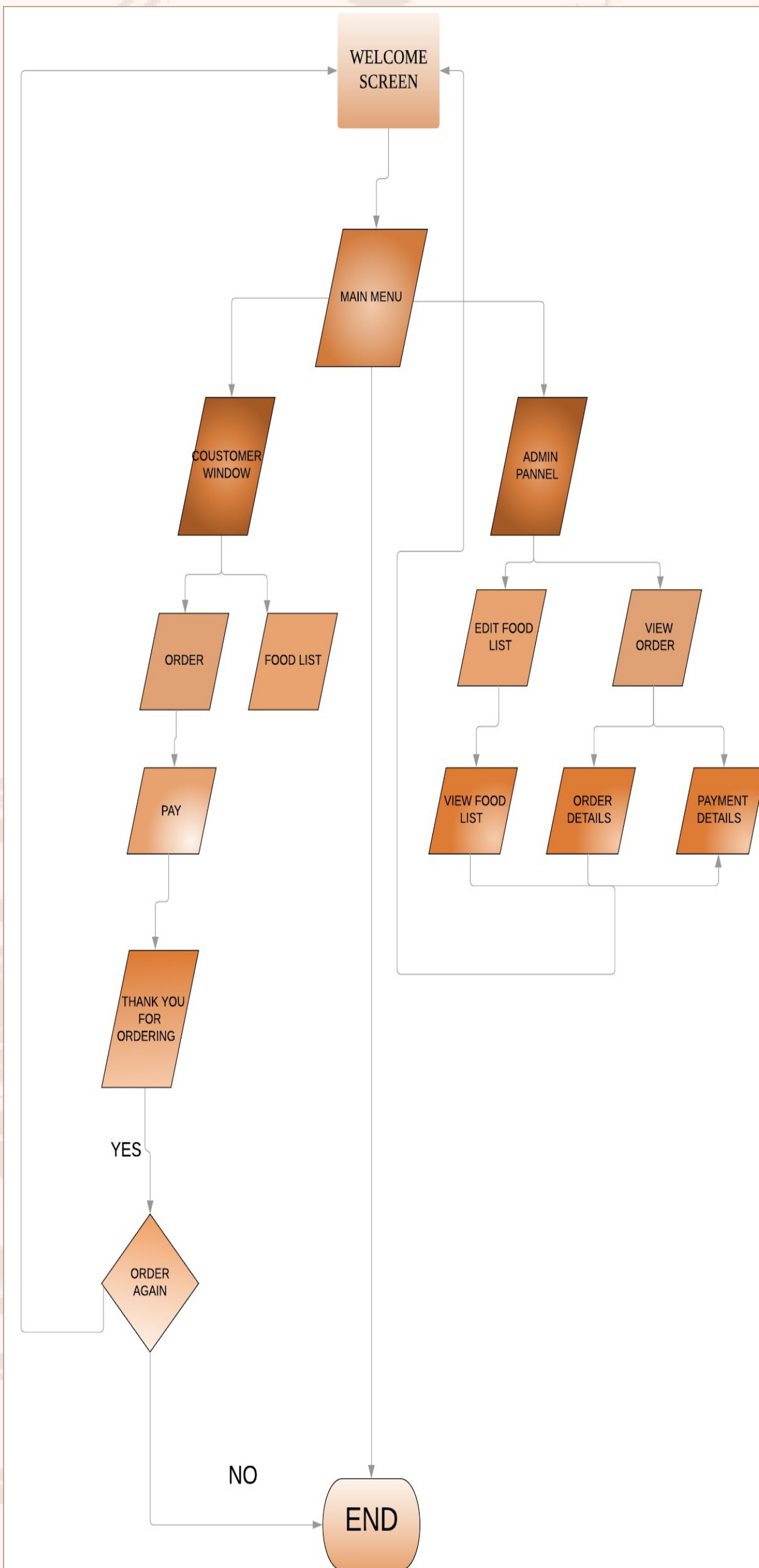Display Function:
Display the list of all orders

Flow Chart / Block Diagram

Results

References

• http://code2flow.com/app
• Data Structure Using C :: ISRD Group, Tata McGraw-Hill.

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