

Software Development Project-I & Industrial Tour Report

Course Code : CSE2112

Café management system

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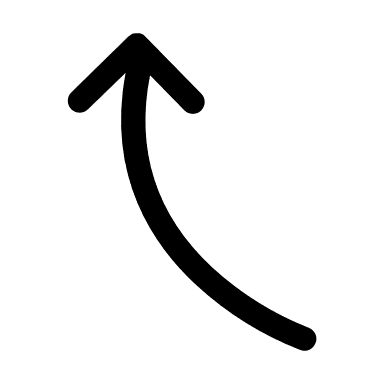


1. Analysis and Domain Modeling

Exit

Enter

1 12



Input

System Operation Contracts

* This is a software based project using the concept of C
* It can mainly manage a cafe’s order and payment system
* It can calculate total bill according to customer’s ID
* If necessary it can delete any unauthorized bill
* According to Customer’s demand this process is so reliable

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Data Model and Persistent Data Storage

Yes, the system need to save user information by using text file to store user creation login details.

Mathematical Model

Not applicable.

1. Interaction Diagrams
2. Class Diagram and Interface Specification
3. Class Diagram
4. Data Types and Operation Signatures

Basic data structures like array is used in this application. Login, Billing card generations are two main operations.

1. Traceability Matrix

Not applicable.

1. Algorithm and Data Structure

Algorithm for this application:

Step-1: start

Step-2: take user input

Step-3: if input == 1 ->>Enter

Else ->>Exit

Step-4: user input

1->>Add product

2->>Generate a bill

3->>Display a bill

4->>Delete a bill

5->>Exit

Step-5: Repeat step 2,3,4

Step-6: End

As for Data structure array and structure is used.

Concurrency

Not applicable.

1. User Interface Design and Implementation

As it’s a c based application, simple UI is designed using C language.

1. References

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Signature of supervisor Date