

BBM104 – ASSIGNMENT 2 REPORT

Problem Definition:

The problem about managing a restaurant system. Firstly, the setup commands must be operated to create workers (employers, waiters) and take stock data. After setup, the commands must be operated for creating tables, making orders, checking out and printing necessary information about a table service/reservation.

Solution Approach:

This program creates a Restaurant class and makes necessary operations according to commands taken from user. Encapsulation is used to give authorization to employers and waiters because taking orders by only waiters and creating tables by only employers. Commands are operated in Restaurant class by sharing data with public methods of necessary classes.

Classes:

Assignment2: It reads files and selects necessary function calls.

Restaurant: It basically contains what a restaurant has. It also calls functions from other objects for commands.

Worker: It holds basis information about employers, waiters and possible newcomer workers.

Employer: It holds information specific to an employer and contains create_table method.

Waiter: It holds information specific to a waiter and contains methods that a waiter can do like take_order and check_out.

Table: It holds table information like service on/off, waiter/employer names, capacity, id.

Order: It holds order information and limit item number in a single order.

Item: It holds information about item like name, cost and also about stock amount of item.