**RESTAURANT SQL ASSESSMENT DOCUMENT**

**TABLES**

* **FOOD SCHEDULE DETAILS**
* Maintains **Id, Food Item Names, Food items Id, Total Quantity of Each Food.**
* **FOOD SESSION DETAILS**
* Maintains **Id, Sessions for the day, Opening and Closing timing of the restaurant.**
* **ITEM DETAILS**
* Maintains **Id, List of items, Items price.**
* **SEAT ALLOCATION**
* Maintains **Id, Seat Number, Seat Avail Status.**
* **FOOD TRANSACTION RECORDS**
* Maintains **Order id of Foods ordered, Seat number, Food Ordered Items, Price of Food, Date and Time of Ordering, Status.**
* **STOCK DETAILS**
* Maintains **a Stock Quantity for a Day.**
* **ORDERS**
* Maintains the Limit for an order ( Maximum(5)).

**FUNCTIONS**

* **SESSIONS CHECK()**
* It checks whether the ordered food is comes under the given sessions which is compared with timing.
* **FOOD ITEM CHECK()**
* It checks whether the given food is in the item list or not.
* **SEAT AVAIL CHECK()**
* It checks whether the given seat is available or not.
* **TIME SCHEDULE CHECK()**
* It checks whether the given food is served as per the given schedule.
* **ITEM LIMIT CHECK()**
* It limits the food items for not exceeding more than 5 items.

**EVENTS**

* **DAY UPDATE**
* Event is specially used for updating the Stock of Food Each and Every Day.

**PROCEDURES**

* **SINGLE FOOD ORDERING**
* This is for ordering the single food item using seat number.
* **MULTIPLE FOOD ORDERING**
* This is for ordering multiple food items using seat number.
* **SINGLE FOOD CANCELLING**
* This is for cancelling the single food item using the order id.
* **MULTIPLE FOOD CANCELLING**
* This is for cancelling multiple food items using the order ids**.**
* **BILLING STATUS**
* This is for paying the ordered food.

**RULES SATISFYING CONDITIONS**

* **The items listed will be strictly served as per the given schedule.**
* Satisfied by **FN\_TIME SCHEDULE CHECK()**
* **Every order details has to be given with seat number.**
* Satisfied by **PR\_SINGLE&MULTIPLE FOOD ORDERING**
* **An item can have max of 5 items only.**
* Satisfied by **FN\_ITEM LIMIT CHECK()**
* **At any point of time , the restaurant owner should be able to see the stock for the day.**
* Satisfied by **STOCK\_DETAILS TABLE**
* **Previous day stock should not be added to current day stock**
* Satisfied by **EV\_DAY\_UPDATE**
* **Seat state will be ACTIVE when the order places , it will be DEACTIVE only if all the orders of the particular seat has been “Cancelled or Paid”.**