Chino restaurant

Requirements specification document

Sebastián Guerrero Selma

13/10/2011

Index

- **Core API calls**
  - Chino restaurant API

Login Screen

HandleLogin function

- o Description: Checks if the user/password input is correct.
- o Parameters:
    - String user – Contains the name of the waiter/waitress
    - String password – Contains the user's password.
- o Return value
    - A boolean, TRUE or FALSE.

Sectors Screen

HandleSectors function

- o **Description**
    - Checks the state of the sectors in the restaurant.
- o **Parameters**
    - NoNe
- o **Return value**
    - An array with the state of the sectors.

WaiterTables function

- o **Description**
    - Gets info about which tables the waiter is serving
- o **Parameters**
    - String user - Contains the name (or ID) of the waiter.
- o **Return value**
    - An array with the tables that the waiter/waitress is serving.

Sector Inside Screen

HandleTables function

- o **Description**
    - Gets info about the tables availability
- o **Parameters**
    - INT sector_number – Contains the number of the sector.
- o **Return value**
    - INT state
        - 0 – Ocuppied.
        - 1 – Available.
        - 2 – Reserved.

HandleTableState function

- **Description**
  - Change the state of a table
    - Occupied – Available
    - Available – Occupied
    - Reserved - Occupied
- **Parameters**
  - INT table_number – Contains the number of the table.
- **Return value**
  - NoNe

HandleWaiterTable function

- **Description**
  - Gets info about who is the waiter that serves a table
- **Parameters**
  - INT table_numer – Contains the number of the table
- **Return value**
  - String waiter/waitress_name – Contains the name of the waiter/waitress.

Details of Order Screen

HandleDetailsOfOrder function

- **Description**
  - Gets info about the details of an order
- **Parameters**
  - INT sector_number – Contains the number of the sector.
  - INT table_number – Contains the number of the table.
- **Return value**
  - A multimap with all the information about an order (quantity, name, size and price).

Dish Details Screen

HandleDishDetails function

- **Description**
  - Gets full details about a dish
- **Parameters**
  - String dish_name – Contains the name of the dish
- **Return value**
  - An array with all the information about a dish.

HandleDishPriceQuantity function

- **Description**
  - o Change the price of a dish (*and with that the final price of an order*) according to the new quantity chosen.
- **Parameters**
  - o String dish_name – Contains the name of the dish.
  - o INT dish_quantity – Contains the new quantity.
- **Return value**
  - o INT dish_price – Contains the new price.
  - o INT order_price – Contains the final price, updated.

Dishes Screen

HandleDishes function

- **Description**
  - o Shows all the available dishes.
- **Parameters**
  - o NoNe.
- **Return value**
  - o An array with all the available dishes in the restaurant.

HandleBeverages function

- **Description**
  - o Shows all the available beverages.
- **Parameters**
  - o NoNe.
- **Return value**
  - o An array with all the available beverages in the restaurant.

Open Order Screen

HandleOpenOrders function

- **Description**
  - o Show all the opened orders in the restaurant.
- **Parameters**
  - o NoNe.
- **Return value**
  - o An array with all the opened orders in the restaurant (OrderID, Table, Total).

HandleOpenOrderDetails function

- **Description**
  - Show all the details about a opened order.
- **Parameters**
  - INT order_id – The ID of a specific order.
- **Return value**
  - An array with all the available information about the order.