

Authentication of accounts

RegisterUser

Input : username/email, password

Output: error/ entry

If email exist in the database

 Then return error (avoiding duplicates)

Else

Create password

Save user email, password

Return entry

LoginUser

Input: email/username, password

Output:user session/ error

If user not found , return error

If password is invalid, return error

Create a session for user

Return user session

LogoutUser

Input : session token

Output: successful log out

Delete session token

Return success

ResetPassword

Input: email, code, new password

Output: success/error

If code valid and not expired

Update user password

Return success

Else

Return error

User profile

GetProfile

input : user ID

Output profile

Get and return profile for user ID

updateUserProfile

Input: user ID, profile data

Output: updated profile

Get existing profile

Update either (name, phone, email, preferences, password)

Save profile

Return updated profile

Menu

CheckMenu

Input: search words, filter (maybe)

Output: List of menu Items

Loading all menu items

If searched a key word

Then filter by key word or name

Return filtered list

getItem

Input Item ID

Output menu item

Find menu item by ID

Return it

createItem

Input : manager ID, item details

Output: confirmation

If manager ID

Add new item to the database

Else

Return error

updateItem

Input: manager ID, item ID, updates

output : update item

Verify manager/boss ID

Find item to update
Add the updates
Save the changes

Inventory

getInventory

Verify manager ID
Return current inventory list

UpdateInventory

Input: item ID, amount change
Output new amount

Get current amount
Add change value
Save new amount

Cart /checkout

addToCart

Input : item , quantity
Output: success

If item exist
 Add item to cart or Update quantity
else
 Add to cart and ask for quantity
Save cart

removeFromCart

Input: item
Output: success

Find cart for user
Remove item
Save cart

totalSum

Input:user id
output : subtotal , total after tax and delivery fees

For each item in cart (sum x quantity)
Apply discount and promotions (maybe)
Add tax and delivery fees

Return total sum

CheckoutOrder (dummy)

Input: userID,payment info, address
Output: order confirmation/ error

Validate cart and payment info

Order Management

UpdateOrderStatus

Input :order ID, status
Output

*Potentially might add more *