

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
<p>updateUserProfile</p> <p>Input: user ID, profile data Output: updated profile</p> <p>Get existing profile Update either (name, phone, email, preferences,password) Save profile Return updated profile</p>
Menu
<p>CheckMenu</p> <p>Input: search words, filter (maybe) Output: List of menu Items</p> <p>Loading all menu items If searched a key word Then filter by key word or name Return filtered list</p>
<p>getItem</p> <p>Input Item ID Output menu item</p> <p>Find menu item by ID Return it</p>
<p>createItem</p> <p>Input : manager ID, item details Output: confirmation</p> <p>If manager ID Add new item to the database Else Return error</p>
<p>updateItem</p> <p>Input: manager ID, item ID, updates output : update item</p> <p>Verify manager/boss ID</p>

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 *