|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Explaination** | **Returns** | **Parameters** | **HTTP**  **Method** | **Method Name** | **ID** |
| Registration must be in POST.  T==Success  F==Fail  If registration fails, the string will specify the reason why | Bool,  String | Username  Password  Firstname  Lastname  Address  Lastlogindate  Country  Question  Answer  favCategory | Post | Register | 1 |
| Must be post because of sensitive info  T==success  F==fail  If renewing the password fails the string will specify the reason why | Bool, | categoryid | get | ForgotPassword | 2 |
| Retrieves 5 hottest products in a list. GET because no info needs to be passed to the server. | Products[] | - | GET | Show5HottestProducts | 3 |
| Retrieves 5 newest products in a list. GET because no info needs to be passed to the server. | Products[] | - | GET | ShowNewestProducts | 4 |
| Must be post because of sensitive info needs to be passed to the server  T==success  F==fail  If login fails the string will specify the reason why | Bool, | Username,  Password  loginDate | Post | Login | 5 |
| GET because we are only reading data without changing it | Products[] | Category | GET | FilterProductsByCategory | 6 |
| Retrieves a sorted list of products.  GET we are only reading data without changing it | Products[] | - | GET | sortedProductsByCategory | 7 |
| Retrieves 5 recommended products in a list. GET because no info needs to be passed to the server. | Products[] | categoryid | Get | recommendedProducts | 8 |
| Retrieves a sorted list of products.  POST because the sorting category is needed for the server | Products[] | productname | get | searchProductByName | 9 |
| Retrieves the chosen product, which is a JSON object that contains the product details  Post because we're specifying the product we want to the server but not changing any data | Product | productname | GET | getProductDetails | 10 |
| Retrieves a list of products by their name. GET because no info is needed to be passed to the server | Products[] | clientID | GET | showCartSortedpName | 11 |
| Retrieves a list of products by their popularity. GET because no info is needed to be passed to the server | Products[] | clientID | GET | showCartSortedPopularity | 12 |
| Adds specified product to the cart, POST because we need to pass a specific product to the server | bool | productID  clientID  amount  priceShekels  priceDollars | get | addItemToCart | 13 |
| Removes unwanted product from the cart. Delete because we are removing the product from the cart data.  Returns True if successful, else returns false. | bool | productID  clientID  amount  priceShekels  priceDollars | get | removeItemFromCart | 14 |
| GET because there is no changing of data on the server side | Orders[] | ClientID | GET | showpreviousorders | 15 |
| Buy products ,if successful return true and displays a message to user.  Else-return false and display a message to user.  POST because we are updating the database that those products have been baught | bool | clientID  deliveryDate | POST | buyCart | 16 |
| GET because we are not changing or adding data, only reading it from the server. | product | productName | GET | getProductDetails | 17 |

**הערה לבודק -**

**getCoutries – פונקציה זו לא תמומש בAPI של השרת אלא בצד הלקוח**

**ConvertCurrency – כאשר הלקוח ירצה לבצע המרה משקל לדולר או מדולר לשקל הוא ישלח json לצד השרת והשרת יוציא את המידע מהDB מכיוון שבDB יש לנו עמודת מחיר לדולרים ולשקלים עבור כל מוצר**

**saveOrder – ברגע שהלקוח קונה את תוכן העגלה, ההזמנה תישמר בטבלת ORDERS. פעולה זו מתבצעת בפונקציית buyCart**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Keep order and if we successful –return true and display to user messeage( Order Confirmation)  If not successful we return false and display to user message.  POST because we are adding info to the database | bool | order | post | saveOrder |  |
| Converts the currency from dollar to shekel or shekel to the dollar.  GET because no data is changed and also because the server is the one holding the current currency rate for the conversion | double | Currency,  amount | Get | ConvertCurrency |  |
| GET because the list of countries is in a file on the server | Counties[] | - | GET | GetCountries  מימוש בצד לקוח |  |