**API**

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| Adding new user cannot pass in GET.  True=user added  False=user not added | bool | UserName, Password, Country, RestoreQuestion, Answer,CategoriesInterestsList, FirstName, LastName, Email | POST | AddUser | 1 |
| Login cannot pass in GET.  True=user logged in False=user not logged in | bool | UserName, Password | POST | LoginUser | 2 |
| Using GET because there is no information to deliver to the server or any wish to change any information. | Returns 5 top selling items in the past week:  Items[5] | - | GET | TopFive | 3 |
| Using GET because there is no information to deliver to the server or any wish to change any information. | Returns new items from the past month:  Items[] | - | GET | NewProducts | 4 |
| Using GET because there is no information to deliver to the server or any wish to change any information. | Returns a list of items which contains: itemID, itemName, price, category, description, pieces. | - | GET | AllItems | 5 |
| Filter parameters must be sent, and cannot pass in GET. | Returns all items that in the specific category. | category | POST | FilterByCategory | 6 |
| Sorting parameters must be sent, and cannot pass in GET. | Returns sorted list of products. | SortBy, Increasing/Decreasing | POST | SortProducts | 7 |
| Recommend parameters must be sent, and cannot pass in GET. | Returns Sorted List of recommended products according to the categories user likes. Get the popular items. | UserName | POST | RecommendProducts | 8 |
| Search parameters must be sent, and cannot pass in GET. | Returns list of products according to the search.  (search in all fields). | text | POST | SearchProduct | 9 |
| Product ID must be sent, and cannot pass in GET. | Returns object of type Product (Contains details like name, price etc..) | itemID | POST | DisplayProduct | 10 |
| Adding new product to cart cannot pass in GET. | Returns true if added to cart and false if the item is in the cart of the user. | itemID, Quantity, ordered, username | POST | AddToCart | 11 |
| User ID must be sent, and cannot pass in GET. | Returns List of the products in user's cart. | UserName | POST | DisplayCart | 12 |
| We need to delete product from user's cart.  True=if deleted  False=if not deleted | Bool | UserID, itemID | POST | DeleteProductFromCart | 13 |
| User ID must be sent, and cannot pass in GET. | Returns List of items user purchased. | UserName | POST | ShowHistory | 14 |
| Order ID must be sent, and cannot pass in GET. | Returns an Order (contains all the products purchased and the details of the order) for specific user. | OrderID, username | POST | DisplayOrder | 15 |
| **Making order cannot pass in GET.**  **True=order made**  **False=order not made.** | **Bool** | **UserName, orderdate, orderid** | **POST** | **MakeOrder** | **16** |
| **Using GET because there is no information to deliver to the server or any wish to change any information.** | **Returns List of all Users.** | **-** | **GET** | **AllUsers** | **16** |
| **Adding new product cannot pass in GET.**  **True= product added**  **False= product not added** | **Bool** | **itemID, numleft, Category, Price, Description, pieces.** | **POST** | **AddProduct** | **17** |
| **We need to delete product from DB.**  **True=if deleted**  **False=if not deleted** | **Bool** | **itemID** | **DELETE** | **DeleteProduct** | **18** |
| **We need to delete user from DB.**  **True=if deleted**  **False=if not deleted** | **Bool** | **UserName** | **DELETE** | **DeleteUser** | **19** |
| **Updating inventory for product cannot pass in GET.**  **True= product added**  **False= product not added** | **Bool** | **itemID, numleft** | **POST** | **UpdateInventory** | **20** |
| **Restore parameters must be sent, and cannot pass in GET.** | **Returns string of the password.** | **UserName, Answer** | **POST** | **RestoreUserPassword** | **21** |
| Item's parameters must be sent, and cannot pass in GET | Returns the quantity of product. | itemID | POST | getquantity | 22 |
| **Item's parameters must be sent, and cannot pass in GET** | **Returns if the quantity we want from product is in stock.** | **itemID, quantity** | **POST** | **instock** | **23** |
| User's parameters must be sent, and cannot pass in GET | Returns how many orders has been made by user, so we could know which the next order id. | Username | POST | neworderid | 24 |
| Restore parameters must be sent, and cannot pass in GET | Returns the restore question of the user. | Username | POST | getrestoreq | 25 |
| **Adding new admin cannot pass in GET.**  **True=user added**  **False=user not added** | **bool** | **UserName, Password, RestoreQuestion, Answer.** | **POST** | **addadmin** | **26** |
| **Login cannot pass in GET.**  **True=user logged in False=user not logged in** | **bool** | **UserName, Password** | **POST** | **loginadmin** | **27** |
| Using GET because there is no information to deliver to the server or any wish to change any information. | Returns all orders made. | - | GET | allorders | 28 |
| Using GET because there is no information to deliver to the server or any wish to change any information. | Returns list of all categories | - | GET | allcategories | 29 |

הערות:

* אם לא רוצים שהמיון יהיה על קטגוריה או קטגוריות ספציפיות, הפונקציה SortProducts כברירת מחדל, תישלח לשרת עם רשימת כל הקטגוריות הקיימות.
* הפונקציה RecommendProducts תקבל מחרוזת של שם משתמש ובעזרתו נבצע שליפות אודות קטגוריות שמשתמש אהב, ונמליץ לו על המוצרים הפופולריים ביותר בקטגוריות אלה.
* הפונקציות המודגשות הינן פונקציות שלא השתמשנו בהן בעקבות ההקלות על העבודה ואי עשיית הבונוס.
* הפונקציות בירוק הינן פונקציות חדשות שהוספנו.