**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 | DELETE | 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 |

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.
* מתכנת – כרמלה דבידובסקי.

לקוח – דר נטלר.

קשיים בהם נתקלנו במהלך העבודה – התקשנו להחליט אם לשמור את עדכון עגלת הקניות בשרת. המתכנת רצה לעשות זאת בקוקיז והלקוח אמר שהוא רוצה לראות בכל זמן נתון מה מצב העגלה. החלטנו לעדכן בשרת.