Shopping List User Guide

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Revision 1.04

July 3, 2017

Revision Table

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| **Revision** | **Date** | **Editor** | **Description of Changes** |
| 1.00 | 7/3/2017 | Tyler Roland | Original Document |
| 1.01 | 7/7/2017 | Jesse Cruse | * Expanded on Recent Trips section to include adding screenshots * Expanded on Suggested Purchases section to include adding screenshots * Expanded on Popular Items section to include adding screenshots * Added Table of Contents |
| 1.02 | 7/8/2017 | Ashraya Regmi | * Added Operation for Registering for an account * Added Operation for Adding a product to the shopping list * Added Operation for Removing a product from the shopping list. |
| 1.03 | 7/8/2017 | Jesse Cruse | * Added “Saving a List” section * Misc. TOC formatting fixes * Added figure captions and table of figures |
| 1.04 | 7/9/2017 | Matthew Stevenson | * Added Screenshots for Registering Account * Added Screenshots for Logging In * Adjusted Table of Contents page numbers |

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REQUIREMENTS

Hardware:

The application must be run by a device with internet access, and this includes (but not limited to) desktop computers, laptops, tablets, smartphones, and mobile devices. A keyboard and mouse will also be required for input on desktop computers.

Software:

The application requires an internet browser to run, but the type of browser is unspecific. For example, this application will run on Firefox, Google Chrome, Safari, Internet Explorer, Opera, and many more.

# INSTALLATION

The shopping list application does not require any installation of software to run. The user simply should go the URL [http://umuccmsc495.x10host.com](http://umuccmsc495.x10host.com/) from any web browser and log in to, or register for, a User Account. The application is hosted on a public web server that can be accessed from any desktop, tablet, or mobile device with access to the internet.

OPERATION

## Registering for an Account:

User has to be registered in order to use this website. To register, simply click on the “Sign Up” button on the log in page. In the registration page, choose a username and password to your liking and click “Register”. This will save the username and password in the database and the user can login with the same credentials and access the full functionality of the website.

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| **How To Register A New Account** | | |
| **Steps** | **Step Description** | **Step Figures** |
| **Step 1** | A user has to be registered in order to sign into the Shopping List Website. In order to register for the website you will need to click the green “Sign Up” button on the start page. | Figure 1: Initial Login Box |
| **Step 2** | Once you have been redirected to the new user registry page you will now be given the option to enter a new user name and password. | Figure 2: User Registry Page |
| **Step 3** | Choose a user name and password and then click “Register”. Once you click the register button your user credentials will be saved in the database. You will now be able to login and use all the functionality of the website. | Figure 3: Select User Name and Password |

## Logging In:

Enter your account username in the Username text box and enter your account password in the Password text box. Then click the button that says “Log In”. If the username/password combination is entered correctly, you will be redirected to the home page. If not, a message will be printed to the screen that describes the encountered error.

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| **How to Login** | | |
| **Steps** | **Step Description** | **Step Figures** |
| **Step 1** | A registered user account will be able to login and use the functionality of the website. First the user will browse to the website and see the initial login page. | Figure 4: Initial Login Box. |
| **Step 2** | Once the login page loads the user will be able to enter their username and password and click the “Log In” button. | Figure 5: Enter user name and password. |
| **Step 3** | Once logged in the user will see the main page where they can see recent shopping trips, suggested purchases, popular items, and add or remove shopping items. | Figure 6: Main page after user login. |

## Adding an Item:

To add an item to your shopping list, click on the “Add Products to Shopping List” button on the main page. After clicking, a popup window will open. Enter the Item name and the Item number and click submit button to add the item to your shopping list. If you make a mistake, click on the reset button to clear all the fields in the page.

## Deleting an Item:

To delete an item from your shopping list, click on the “Delete Products from Shopping List” button on the main page. After clicking, a popup window will open. Enter the Item name and the Item number and click submit button to remove the item from your shopping list. If you make a mistake, click on the reset button to clear all the fields in the page.

## Saving a List:

This action requires no special action by the user. When items from a generated list are checked and the list is submitted, that list will automatically be posted (saved) to the database. The dates from these new postings will be used to generate future shopping lists. Please refer to the “How to Use the Suggested Purchases Functionality” section for more in depth details on this feature.

## Generate a Recent Trips Report:

From any page (while you are currently logged in), click the “Recent Trips” button on the header. This will take you to the page where you can view a report of purchases for the last five shopping trips. The report is broken down by shopping trip date and lists each item purchased for that date.

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| **How to Use the Recent Trips Functionality** | | |
| Step 1 | Click the highlighted “Recent Trips” button at the top of the page in the menu bar. An example is show at the right. | **Figure 7: Menu - Recent Trips** |
| Step 2 | An example of the output report generated is displayed with the current format at the right. Please bear in mind that if an account is relatively new and has no purchase history, this report will be blank. | **Figure 8: Sample Output - Recent Trips** |

## 

## Generate a Suggested Purchases Report:

From any page (while you are currently logged in), click the “Suggested Purchases” button on the header. This will take you to the page where you can view items that are specifically suggested for you based on previous purchase behavior. Any given item stored in a user’s account will be added in one of two of the following ways:

1. If an item has been purchased fewer than five times, and therefore would have fewer than five dates with which to determine an accurate purchase interval, the algorithm will automatically add this to the generated shopping list. If this item is unneeded, the user will simply skip checking the purchase box for that item.
2. If an item has five or more purchase dates recorded, then the algorithm will calculate an approximated purchase interval in days. If this purchase interval has been exceeded by the number of days since the last time the item was purchased, then the item will be added to the generated list.

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| **How to Use the Suggested Purchases Functionality** | | |
| Step 1 | Click the highlighted “Suggested Purchases” button at the top of the page in the menu bar. An example is show at the right. | **Figure 9: Menu - Suggested Purchases** |
| Step 2 | An example of the output report generated is displayed with the current format at the right. | **Figure 10: Sample Output - Suggested Purchases** |
| Step 3 | To record purchases during a shopping trip, simply generate a Suggested Purchases Report, as described above, check the box next to all items purchased during the given trip, and click the Record Purchases button at the bottom of the page. This will store a record for all purchases with dates to be used in future report calculations. | **Figure 11: Recording Purchase Records** |

## Getting Popular Items:

From any page (while you are currently logged in), click the “Popular Items” button on the header. This will take you to the page where you can view the 10 most frequently purchased items.

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| **How to Use the Popular Items Functionality** | | |
| Step 1 | Click the highlighted “Recent Trips” button at the top of the page in the menu bar. An example is show at the right. | **Figure 12: Menu - Popular Items** |
| Step 2 | An example of the output report generated is displayed with the current format at the right. Please bear in mind that if an account is relatively new and has no purchase history, this report will be blank. | **Figure 13: Sample Output - Popular Items** |

## Logging Out:

From any page (while you are currently logged in), click the button on the top-right of the window that says “Logout”. This will log you out of the application and return you to the Log In page.