Interface Control Document

Group 3:

Ashraya Regmi, Jesse Cruse, Tyler Roland, Matthew Stevenson

University of Maryland University College

Revision 1.04

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| **Revision** | **Date** | **Editor** | **Description of Changes** |
| 1.00 | 6/21/17 | Jesse Cruse | Original Document |
| 1.01 | 6/21/17 | Tyler Roland | * Added input/types when user saves a shopping list * Type edits |
| 1.02 | 6/25/17 | Jesse Cruse | * Adjusted heading for Algorithm 🡪 recent trips table * Adjusted heading for Algorithm 🡪 popular items table * Adjusted heading for Algorithm 🡪 recent trips table |
| 1.03 | 6/27/17 | Jesse Cruse | * Changed ‘N/A’ default values to blank. |
| 1.04 | 7/11/17 | Tyler Roland | * Added table for Sign Up page datatypes |
| 1.05 | 7/12/2017 | Jesse Cruse | * Changed default values to “Null” instead of “Blank” * Removed itemPrice variable as it is no longer relevant |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| Username | String | 4-12 | Null |
| password | String | 8-20 | Null |

**Data between User and Login Page**

**Data between User and Sign Up Page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| Username | String | 4-12 | Null |
| Password | String | 8-20 | Null |

**Data Between Algorithm and Recent Trips Page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| recentTrips | String::array | Dynamic | Null |

**Data Between Algorithm and Suggested Purchases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| itemsToBuy | String::array | Dynamic | Null |

**Data Between Algorithm and Recent Popular Items**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| popularItems | String::array | Dynamic | Null |

**Data Between Home Page and Database 🡪 Adding New Item**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| itemID | Int | 10 chars length | Auto-Increment |
| itemName | String/Varchar | Any (2-25 chars length) | Null |
| purchaseDate | Date | Date | Current Time Stamp |

**Data Between Algorithm and Database 🡪 When Called by Algorithm**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| itemID | Int | 10 chars length | Value Stored |
| itemName | Varchar/String | Any (2-25 chars length) | Value Stored |
| puchaseDate | Date | Date | Value Stored |

**Data Between Suggested Purchases and Database 🡪 Saving a list**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| itemID | Int | 10 chars length | Auto-Increment |
| productID | Int | 10 chars length | Null |
| listDate | Date | Date | Current Time Stamp |