Interface Control Document

Group 3:

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Revision 1.01

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| **Revision** | **Date** | **Editor** | **Description of Changes** |
| 1.00 | 6/21/2017 | Jesse Cruse | Original Document |
| 1.01 | 6/21/17 | Tyler Roland | * Added input/types when user saves a shopping list * Type edits |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| username | String | 4-12 | N/A |
| password | String | 8-20 | N/A |

**Data between User and Login Page**

**Data Between Algorithm and Recent Trips Page**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| recentTrips | String::array | Dynamic | N/A |

**Data Between Home Page and Suggested Purchases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| itemsToBuy | String::array | Dynamic | N/A |

**Data Between Home Page and Recent Popular Items**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Value Range** | **Default Value** |
| popularItems | String::array | Dynamic | N/A |

**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) | N/A |
| itemPrice | Float/Decimal | 0.00 – 1000.00 | N/A |
| 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 |
| itemPrice | Decimal/Float | 0.00 – 1000.00 | 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 | N/A |
| listDate | Date | Date | Current Time Stamp |