**TABLES**

*// Create Products table***CREATE TABLE IF NOT EXISTS `Product`**

**(**  
 **`product\_id` INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,**   
 **`product\_name` TEXT UNIQUE NOT NULL**  
**)**;  
  
*// Create Lists table***CREATE TABLE IF NOT EXISTS `List`**

(  
 **`list\_id` INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,**  
 **`list\_name` TEXT UNIQUE NOT NULL**  
**)**;  
  
*// Create ListProducts table***CREATE TABLE IF NOT EXISTS `ListProducts`**

**(**  
 **`list\_product\_id` INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,**  
 **`list\_id` INTEGER NOT NULL,**   
 **`product\_id` INTEGER NOT NULL,**  
 **`list\_dispatched` INTEGER NOT NULL,**  
 **FOREIGN KEY(`list\_id`) REFERENCES** **`List` ON UPDATE CASCADE ON DELETE CASCADE,**

**FOREIGN KEY(`product\_id`) REFERENCES `Product` ON UPDATE CASCADE ON DELETE CASCADE**

**)**;

**QUERIES**

**PRODUCTS**

*// Insert entry into Products table*

**INSERT INTO `Product` (`product\_name`) VALUES([ProductName]);**

*// Modify entry of Products table*

**UPDATE `Product`**

**SET `product\_name` = [NewProductName]**  
**WHERE `product\_name` = [OldProductName];**

*// Delete entry from Products table*

**DELETE FROM `Product`**  
**WHERE `product\_name` = [ProductName];**

*// Get all products*

**SELECT `product\_name`**  
**FROM `Product`;**

**LISTS**

*// Insert entry into List table*

**"INSERT INTO `List` (`list\_name`) VALUES([ListName]);**

*// Modify entry of List table*

**UPDATE `List`**  
**SET `list\_name` = [NewListName]**

**WHERE `list\_name` = [OldListName];**

*// Delete entry from List table*

**DELETE FROM " `List`**  
**WHERE `list\_name` = [ListName];**

*// Get all lists*

**SELECT `list\_name`**  
**FROM `List`;**

**LISTPRODUCTS**

*// Add a product to list*

1. **SELECT `product\_id`**  
   **FROM `Product`**  
   **WHERE `product\_name` = [ProductName];**
2. **SELECT `list\_id`**  
   **FROM `List`**  
   **WHERE `list\_name` = [ListName];**
3. **INSERT INTO `ListProducts`**  
   **(`list\_id`, `product\_id`, `list\_dispatched`)**  
   **VALUES([list\_id], [product\_id],** **‘0’);**

*// Delete a product from list*

1. **SELECT `product\_id`**  
   **FROM `Product`**  
   **WHERE `product\_name` = [ProductName];**
2. **SELECT `list\_id`**  
   **FROM `List`**  
   **WHERE `list\_name` = [ListName];**
3. **DELETE FROM `ListProducts`**  
   **WHERE `list\_id` = [list\_id]** **AND `product\_id` = [product\_id];**

*// Set dispatch status of a product of list*

1. **SELECT `product\_id`**  
   **FROM `Product`**  
   **WHERE `product\_name` = [ProductName];**
2. **SELECT `list\_id`**  
   **FROM `List`**  
   **WHERE `list\_name` = [ListName];**
3. **UPDATE `ListProducts`**  
   **SET `list\_dispatched`** **= [NewDispatchStatus]**

**WHERE `list\_id` = [list\_id]** **AND `product\_id`** **= [product\_id];**

*// Get all products from a list*

1. **SELECT `list\_id`**  
   **FROM `List`**  
   **WHERE `list\_name` = [ListName];**
2. **SELECT `product\_name`**  
   **FROM `Product`**  
   **WHERE `product\_id` IN**

**(**  
 **SELECT `product\_id`**  
 **FROM `ListProducts`**  
 **WHERE `list\_id` = [list\_id]**

**);**