**Capstone Hints, Tips, Things you need to know:**

Purpose: As we hear questions, issues, etc from those of you doing the Capstone project, we will put pertinent information here for the group to take note of:

**In the Section: Directory Apps & Setup (page 6-7)**

1) You are told: Add Data to Company Structure

* Some of you have been trying to do this in the Company Directory application.  Instead, please use the Company Structure application.  I created a "follow-along" video for this if any one needs it - ￼

2) You are told to:   Add the GL Account to Module Settings

* This obviously can not be done until you create your orders module settings in the next section.

**In the Section: Order Module Settings (pages 7-9)**

1. Don’t forget to add your nsTrnXXStandardDiscount field to your module settings table. It isn’t explicitly called out in the capstone document but you will need this data item that you created to be in the order settings table.
   1. Make sure to AllowGlobal=True
   2. For the Organizational settings, in the Type column, select “Any”

**In the Section: Discounts Logic Blocks (page 17-18)**

For the task Create Table Trigger – you are told to use nsPtrMASTERMsg1 and nsPtrMASTERMsg2. These data items should be nsTrnMASTERMsg1 and nsTrnMASTERMsg2

**In the Section: Orders Application (pages 20-22)**

**Note:** Remember, you started this application in your exercises last week. But....in the Capstone we have a change to the data model for Orders. There is a new field called OrderId in the Orders Header Table. Please modify your objects to include this.

**Note:** OrderId is a text data item. You will flag it in Data Items as an autonumber. You will need to define an Automatic Format for OrderId. You want the OrderId to be a concatenation of OrderType and the OrderNumber. Once the Automatic Format is create for OrderId, you will modify the OrderNumber Automatic Definition to include the OrderId automatic format (formatting tab). **I will record a following mp4 for this.** For now, simply make sure that your OrderId is created in Data Items as a text field with the automatic number checked. Also make sure it is added to the Orders Header table.

**Fix in your document (page 22) -** The following contains corrections to the capstone class document. Note the highlighted in yellow statements.

|  |  |
| --- | --- |
| Create Applications | :info:When creating the applications, you'll notice that there are many fields that come through as related table lookups fields for the Store and Customer fields and many aren't applicable. To exclude them from showing up in the application, in the table select Type Ahead Only.  **Header App**   * Layout:   + These fields should be disabled:     - Order Number     - Order Id     - Total Discount     - Total Order     - TransactionCurrency     - GL Written   + Two pages: 1) Details and 2) Support     - The header row should have:       * TimeOfOrder, OrderType, **OrderNumber**, and Store (row A)       * **TotalOrderAmount, TotalOrderDiscount (row B)**     - The Support page should have Customer, OrderId, TransactionCurrency, GL Written     - When defining the pages and rows, ensure "Show When Empty" is selected for the Details page     - Also define a # of columns per row to add a consistent look * Attributes:   + Store should have a search action. Use the base search app that already exists. Add a search action:     - Search Field: Store field     - Search App: OrganizationalUnitsSearch     - Setting Name: InternalOrganizationFilter     - Form: List     - Data Mappings: the title should say “Search Stores”   + The magnifying glass for the Customer field may be disabled. Add a search action for the field:     - Search App: CustomerSearch (already exists)     - Setting Name: CustomerSearchSettings (already exists)     - Data Mappings:       * “Search Customers” should be the title   **Detail App:**   * Layout   + These fields should be disabled:     - Discount Amount     - Order Amount   + List View:     - In this order: Product, Price, Quantity, ApplyStandardDiscount, DiscountAmount, OrderAmount   + Field Dependencies:     - Since we are storing the transaction currency on the record, we can default the currency code for the currency fields. Use Field Dependencies (hint: Field Control) to default the currency. :info:This is a best practice: a transaction has a currency which defaults the code for the currency fields. This prevents users from inserting invalid data. |

**Section: Order Workflow and Section: Write GL Transaction (Pages 24-27) and Appendix (page 31)**

In order to call a logic block from workflow or to debug a logic block that is called through workflow, tables and data items need to be in the **base** lifecycle. This is a known limitation at this time but will be addressed in future releases. In an effort to minimize the disruption to what you have already built with your Orders application, we are suggesting the following workaround :

1. **Modify the Orders Workflow definition**

* Delete sequence 500
  + Change 400 to Manual with no duration, no condition, no logic block (see below for what the workflow definition should look like – replaces your appendix for Orders)

1. **Create a wrapper Logic Block over your Orders Header/Detail table (nsTrnXXOrdersWrapper)**
2. **In the wrapper Logic Block, call your OrdersWorkflowProcessor LB**
   * Make sure to call this in Create Mode
3. **Hook up the wrapper Logic Block as a row action in the Header application**

**Orders**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sequence** | **Workflow Type** | **Trigger** | **Duration** | **From State** | **From State Type** | **Condition / Logic Block** | **To State** | **To State Type** |
| 100 |  | Manual |  | New | Initial |  | Kitchen | Kitchen |
| 200 |  | Manual |  | New | Initial |  | Finish Order | Active |
| 300 |  | Manual |  | Ready For Pickup | Active |  | Finish Order | Active |
| 400 |  | Manual |  | Finish Order | Active |  | Complete | Closed |
| 600 |  | Manual |  | Out For Delivery | Delivery |  | Finish Order | Active |
| 700 |  | Manual |  | Error | Active |  | Finish Order | Active |
| 800 | DeliveryOrder | Manual |  | Kitchen | Kitchen |  | Out For Delivery | Delivery |
| 900 | TakoutOrder | Manual |  | Kitchen | Kitchen |  | Ready For Pickup | Active |
| 1000 | CaterOrder | Manual |  | New | Initial |  | Waiting Until Date | Active |
| 1100 | CaterOrder | Manual |  | Waiting Until Date | Active |  | Kitchen | Kitchen |
| 1200 | CaterOrder | Manual |  | Kitchen | Kitchen |  | Out For Delivery | Delivery |
| 1300 | CaterOrder | Manual |  | Kitchen | Kitchen |  | Ready For Pickup | Active |

**Section: Batch Processing (Create Discount Offers)**

**Problem:**  For application 'CreateDiscountOffersLB' a requirement is to hide the save button in the detail view. But without this button you are not able to generate the discount offers:

**Solution:** You need the Save button. Ignore the requirement to hid the save button in the detail view.

**Section: Reports**

Solution Developer Partners - Here is a gift for you -> The Reports for the Capstone project (Order Breakdown and Product Breakdown) are considered "Bonus" exercises. You do not have to create the reports for Capstone Certification. Once you complete everything in the Capstone up to and including Section: Batch Processing (Create Discount Offers) - send me a note to schedule a time to review.