Student Financial Transaction Summary and Detail Subject Area

UDW+ Student Financial Transaction data provides users with the ability to analyze each item that is posted to the student or organization’s account. The user will have the capability to see the associated item amount, balance, amount applied to charges, when it was posted, the item type used etc. We have granted the user the capability to see the information at an aggregated or detail level, which the user will notice in the folder structure of the subject area.

The summary folder contains the facts that they are accustomed to seeing in the ITEM_SF table. The detail folder contains the facts that they are accustomed to seeing in the ITEM_LINE_SF table. In addition, we have exposed payment information in this subject area to grant the user the capability to see a consolidated view of a payment because a payment can split across multiple account/terms paying charges. The payment folder contains the facts they are accustomed to seeing in the PAYMENT_TBL.

Student Financial Transaction data is updated on a daily basis to identify specific types of transactions that have been processed. The main goal of this subject area is to grant the necessary exposure to transactional information for the Bursar’s office so that they can run their daily reporting duties.

Key Business Definitions

Summary Facts

Transaction Amount – Is equal to the Item Amount in the Item_SF table. This is the amount of the item, it will be positive for charge type items and will be negative for payment type items.

Applied Amount - The amount that was paid on a charge type item (or refund). To get the balance of a charge type item, you will subtract applied amount from transaction amount. For payment type items, this field is always zero.

Detail Facts and associated key fields

Line Amount - This is the amount of the activity for that row. The first row for an item will be the amount the item was originally posted for. Subsequent rows represent adjustments.

Line Number - A sequential number to make each row unique.

Term Information

Account Term - Can either be blank or populated with the term of the account the item is posted to. If it is blank, then the item was posted to a non per term account. In the case of a payment type item, this term may be different than the term the item was actually posted to. For example, a payment is posted to term 1108 but it goes and pays a charge on term 1104. The account term would equal 1104 since it paid a transaction in 1104 and the item term would be 1108 since it was posted to term 1108. For charges, the account term will always be the term the item was posted to unless it was posted to a non per term account, then it would be blank.

Item Term - This term field relates directly with the account term. This term field is always populated and always has the value of the term the item was posted to. In our example for the account term where the payment item was posted to 1108 but paid 1104 charges, item term will equal 1108 and account term will equal 1104.

Additional Key Fields

Item Type - Every item has an item type, the whole item is based around the item type. What the user or student sees when they view the account is the description of the item type. There are a lot of instances where you will query based on the item type.

Item Type Code - This is a single character value that identifies what type of item it is.

C – Charge
I – Interest
R – Refund
A – Application Fee
P – Payment
D – Deposit
F – Financial Aid
W – Waiver
X – Write Off

Transaction Number – Equivalent to the item number. Each item posted to the student's account is assigned a unique item number. This field ties the item in this table back to the item in PS_ITEM_SF table.
**Payment Number** - This is a unique identifier for each payment. Just like item number, this is maintained at the student level.

**Student Org Indicator** – This is the equivalent to SA_ID_TYPE. A value of “P” indicates that it’s a student’s id. A value of “O” indicates that it’s an organization’s id.

**Usability of Subject Area**

- Under the Transaction Facts folder there are three subfolders:
  - Summary
  - Detail
  - Payment
- Each of these fact folders are at a different grain level and cannot be combined in an analysis due to a possible misrepresentation of the data. The issue is that when combining facts at a different level it can cause certain data points to repeat and give a false impression of the data.
- The only exception is completing an analysis using the Payment Amount and requiring the data to aggregate in this case you can bring in both the Payment Amount and Line Amount since the Line Amount will aggregate the data at different levels. Since the Payment Amount will be equal to the Line Amount. Payment Amount is at a different granularity then the other facts so that is why it does not have the capability to aggregate and by doing so prevents a possible misrepresentation of the data. Multiple line numbers in the detail table can relate to one single payment id number.
- SISID – includes ‘-’ as a representation of external orgs.
- Payment ID Number – includes a payment id number of ‘0’ as a representation of non-payments, user can filter out the ‘0’ payment id number.