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**Billing
Enrollment
& LMS**

Billing, Enrollment & LMS Tables

Billing and enrollments must be analyzed together. Each enrollment to a session has a cost associated that would be debited from the student's account at each enrollment. Depending on the rules defined jointly, the student can pay for one course or more than one course.

PACKAGES Table

The **PACKAGES Table** defines the payment packages that are available for students.

Table: Packages Table

Key Fields: The combination of fields Program ID, number of sessions and range of availability cannot be repeated or overlapped

Packages can contain one or more sessions and discounts to incentivize the purchased in advance.

For example: 1 package may contain 2 courses of a program at the price of 1, while another package for the same program may contain one course at the price of one.

A package may include more than session, therefore, more than one course.

Field Name	Data Type	Description	Source
PackageID	Numeric ID		
PackageName	Short text	Name of Package	
ProgramID	Short text	The Program related to the package	Programs Feeding Table
SessionQTY	Number	Quantity of Sessions included in package	
FullPrice	Currency	Price before the discounts, aka sticker price	
Credit QTY	Number	Number of credits, if credits apply	
Discount	Currency	Discount applied to package	
FinalAmount	Currency	This is the amount to be applied to invoice and then accredited to the students funds account	
CountryCurrency	Short text	The currency of the country. US Dollar, Rands, Yen, Peso, etc.	Currencies Feeding Table
FromDate	Date/Time	The date from which the package is available	
ToDate	Date/Time	The date in which the package is no longer available	

INVOICES Table

The **INVOICES Table** Identifies invoices issued to students for one or more session. This is the table reflecting student's payments.

Table: invoices

Key Fields: the combination of fields paidDateTime and StudentID cannot be repeated.

Field Name	Data Type	Description	Source
Id Invoice	Short text		
Invoice Date	Date/Time	The date in which the invoice was issued	
Paid DateTime	Date/Time	The date in which the invoice was paid	
Amount	Currency	The invoice amount	
PackageID	Short text	The package matching the invoice	Packages Feeding Table
StudentID	Short text	The student related to the invoice	Students Feeding Table

ENROLLMENTSTATUS Table

The **ENROLLMENTSTATUS Table** defines the available status codes for student enrolments.

Table: ENROLLMENTSTATUS

Key Fields: The EnrollmentStatusID and EnrollmentStatusName must be unique.

Field name	Data Type	Description	Source
EnrollmentStatusID	Numeric ID	The identifier for the EnrollmentStatus	
EnrollmetStatusName	Short Text	The description of the different Statuses an app can have. Examples: Accepted, Pending, Exceeded quota, etc	Provided by school.

ENROLLMENTS Table

The **ENROLLMENTS Table** shows the enrolment into the sessions for the students.

Table: ENROLLMENTS

Key Fields: The combination of Student ID and Session cannot be repeated.

Field Name	Type	Description	Source
EnrollmentID	Numeric ID	This is the identifier for the enrollment	
StudentID	Numeric ID	This is what tells us which student is enrolling to the Session	Student Feeding Table
SessionID	Numeric ID	This ID identifies the Session the student is enrolling into.	Session Feeding Table
EnrollmentDate	Date/Time	This is the date in which the student enrolled into the course	
EnrollmentLastChangeDate	Date/Time	This is the date in which the last enrollment status changed	
EnrollmentStatusID	Numeric ID	This is the ID identifying the status. This is the status of the enrollment, if any (accepted, rejected, pending) The student has been admitted into the program, but in some cases, it needs to be accepted in the session too	Enrollment Statuses Feeding Table
EnrollmentCost	Currency	This is the amount that will be debited from the student funds account when enrolled to this session	
EnrollmentCreditsCost	Numeric	This is the number of credits that will be debited from the student credit account when enrolled to this session	

STUDENTS Table

The **STUDENTS Table** is used as an ongoing file that follows the students through graduation or completion of program to keep data accurate from the university SIS and START UNIVERSITY CRM.

Table: STUDENTS

Key Fields: Student ID.

Field	Data Type	Description	Source
CRMAppID	Numeric ID		CRMApplicants Feeding Table
StudentID	Numeric ID		
FirstName	Short Text		
Surname	Short Text		
Email			
Phone			
Street Number	Short Text		
Street	Short Text		
Neighborhood	Short Text		
StateProvinceid	Numeric ID		States Feeding table
City			Cities Feeding table
PostalCode			Postal Codes Feeding table
DOB	Date/Time		
CountryOfCitizenshipID	Short Text		Countries Feeding table
LocalCountryID	Numeric ID	The assigned number by the sovereign authority	
GenderID	Numeric ID		Genders feeding table
PopulationGroupID	Numeric ID		Population Group feeding table
MaritalStatusID	Numeric ID		MaritalStatuses feeding table
HomeLanguageID	Numeric ID		Languages feeding table
DisabilityID	Numeric ID		Disabilities feeding table

LMSCOURSEWORK Table

The **LMSCOURSEWORK Table** contains data from the LMS system, tracking each student's progress with assigned tasks over the term of a course. A separate data record is created for each session/student/coursework item combination in the. This file equips the Retention Specialist with the information needed to effectively engage with the students.

Table: LMSCoursework

Key Fields: the combination of fields studentID, and Item ID cannot be repeated.

Data Field	Data Type	Description	Source
StudentId		The university student ID from the SIS.	
EnrollmentId		The unique identifier assigned to the student enrollment in the course, used to tie the student to coursework.	Enrollments id Feeding table
ItemId		A unique identifier for the coursework item.	LMSItems feeding table
itemTypeID		Classification of the coursework item (e.g. "Assignment", "Assessment", "Quiz", "Posting", etc.)	Items feeding table
AssignmentDueDate	Date/Time	Date assignment; if no due date for item type, then blank.	
AssignmentSubmittedDate	Date/Time	Date assignment or quiz turned in, posting completed, or assessment done.	
PointsPossible	Numeric	Number of possible points for assignment, posting, assessment, or quiz (blank if not graded).	
PointsReceived	Numeric	Number of points received for assignment, posting, assessment, or quiz.	
GradeCategoryID	Short Text	A category of the grade upon which a weighting scale would be applied ("Test", "Quiz", "Lab", etc.).	Grade Categories feeding table
CategoryWeight	Numeric	Weight to be applied to this item when determining grade for course.	

LMSACTIVITY Table

The **LMSACTIVITY Table** lists all student activity in the LMS.

Table: LMS activity

Key Fields: the combination of fields StudentID ItemID cannot be repeated

Data Field	Data Type	Description	Source
Student Id		The university student ID from the SIS.	
Enrollment Id		The unique identifier assigned to the student enrollment in the course, used to tie the student to coursework.	Enrollments id Feeding table
Item Id		A unique identifier for the coursework item.	LMS Items feeding table
Session Start	Date/time	The moment in which the student Logs in to LMS	Time Stamp
Session Ends	Date/Time	The moment in which the student logs out from LMS	Time Stamp

Additional Application Feeding Tables.

The following data contained in this feeding tables need to be defined before starting operations.

Additional Tables are needed to show the LOV's for the application process and should be in the following format.

Field Name	Data Type	Description
xxxxxID	Numeric ID	The ID used on the system.
Xxxxxx	Short Text	A description of the ID used on the system.
UniversityxxxxxID	Text or numeric ID	The code that will be passed to the school upon integration.