



Database  
Structure  
Overview

# High Level Data and Database Structure Overview

Start University (SU) enables its partner universities to transition online by recruiting and retaining students. To achieve this goal, the school will track the student's progress through the entire educational process, from initial application to graduation. This requires access to information in several key areas, including:

- Personal student and demographical information
- Course scheduling and availability
- Student application process
- Class enrolment
- Student's progress with assigned coursework

## Data Transfer Methods

The university data files are sent and received via secure FTP (SFTP or FTP over SSL) to a shared file location on Start University's FTP file server. However, START UNIVERSITY can accommodate other file transfer protocols like Web services, depending on the school's technical capabilities.

The specific transfer method to be used by a university will be determined during the Planning Phase of the onboarding process.

Once the data integration process has been tested and validated, the university can automate the daily load and transfer the data files using the chosen transfer method. The automated transfer of the data files should be scheduled during timeframes that minimizes any disruption of service.

## Data Integration Milestones

START UNIVERSITY has defined a phased approach to establishing data integration with new university partners. These phases align to the major milestones in the partnership rollout.

- Phase 1: Admission tables
- Phase 2: Enrollment and Invoicing tables
- Phase 3: LMS tables

At the beginning of each phase, a Mapping Session will be held to align on the files required for each phase. Once the university develops its process for extracting the data and transmitting the data files, START UNIVERSITY works with the university to validate that the university's data files are in the format expected and contain the expected data.

This process is conducted with test data files and may involve code/process modification at either the university, START UNIVERSITY, or both. Once each of the test data files pass validation, the integration process for that file is considered ready to go “live”. The university can schedule the automation of the file transfer on a nightly/or hourly basis.

## Data File Formats

CRM's standard data exchange format is flexible and we can accept data from the university using flat files, XML using UTF-8 encoding, CSV files or through web services with popular SIS and LMS systems. The exact method will be determined during the initial IT discovery meeting.

## Data File Naming Conventions for file transfers

If web services are now used, data files should conform to the following convention:

UniversityAbbreviation-DataFeedIdentifier-Date-Time.xml

The data and time information are necessary to differentiate between files that may get sent on the same day. The date should be formatted as *mmddyyyy*, and the time should be formatted as *hh24mmss*.



**Integration  
Tables**

# Integration Tables

There is data that needs to be transferred and contained in diverse types of tables. In this document Feeding

Tables and Transactional Tables are described.

Feeding Tables: These are tables containing data that feeds the transactional tables, for example: the table applications have a field called language referred to the applicant language. The feeding table would be the table languages and the transactional table would be the table applicants.

Transactional tables: These are the tables that users populate more frequently and are directly involved on applications, enrollments, and payments. The classic examples are, as mentioned, the tables Enrollments, Applications and payments

In an exaggeratedly simplified way, we could say that the transactional tables grow (add new records) a lot more frequently than the feeding tables.

Both feeding and transactional tables need to be defined prior to the beginning of the operation.

All tables include the following standard changes tracking fields:

Field Name	Data Type	Description	Source
<b>RecordInDate</b>	Date/Time	Date in which the record is entered to the database. Once entered, this value never changes	
<b>RecordInUser</b>	Date/Time	This is the user logged in when the record Was inserted to the Database. Once entered, this value never changes	Users feeding table
<b>RecordChangeDate</b>	Date/Time	Date of the last change to the record.	
<b>RecordChangeUser</b>	Date/Time	This is the user logged in when the record Was inserted to the Database	Users feeding table

Key fields: Each record has a unique ID that will be used to identify the record and relate records between tables. On this document at the description of each table, the fields or combination of fields that cannot be repeated are described as “key fields”

## TERMS Table

The **TERMS Table** defines start Dates and the first and most essential set of business rules.

The start dates cannot be repeated or overlapped as this set of data defines reporting, lead, application and enrollment flow.

**Table:** Terms

**Key Fields:** Start date, TermClassesStart, TermName

Field Name	Data Type	Description	Source
<b>TermID</b>	Numeric ID		
<b>TermName</b>	Short text	The Name Given to the Term: Example: "Summer 2018"	
<b>TermClassesStart</b>	Date/Time	First day of Classes	
<b>TermClassesEnd</b>	Date/Time	Last day of classes	
<b>EnrolmentStartDate</b>	Date/Time	First day to enroll Students.	
<b>Enrolment Deadline</b>	Date/Time	Last day to enroll Students. This date also defines the first day to recruit students for the next term	
<b>Admission Deadline</b>	Date/Time	Last day to admit Students. This date also defines the first day to admit students for the next term	
<b>Documents Deadline</b>	Date/Time	Last day to receive documents. This date also defines the first day to receive docs for the next term	
<b>Comments</b>	Text	Any comment regarding the term	

## PROGRAMS Table

The **PROGRAMS Table** defines the programs that will be part of sessions and terms.

**Table:** Programs

**Key Fields:** The ProgramName field values cannot be repeated

Field Name	Data Type	Description	Source
ProgramID	Short text		
ProgramName	Short text	The Name Given to the Program Example: "MBA"	
ProgramTypeID	Date/Time	ID referring program Type. Masters, Bachelor, Certificates, etc.	Feeding Table Program Types
ProgramPrice	Currency	The price of the entire program	
Number of Courses	Number	First day to enroll Students.	
ApprovedDate	Date/Time	The date in which the program was approved by the authority	
CertNumber	Short Text	The number or code provided by the authority when the program was approved	
ProgramComments	Text	Any comment related to the Program	

## COURSES Table

The **COURSES** Table defines the courses that make a Session when combined with a term and a teacher.

**Table:** Courses

**Key Fields:** CourseName cannot be repeated

Field Name	Data Type	Description	Source
CourseName	Short text	Name that the course goes by (Math 1, History, Geometry)	
Credits	Number	Number of Credits in the course	
CourseHours	Short text	Number of hours in the course	
CourseID	Numeric ID	Unique ID number <small>Short text</small>	

## PROGRAM COURSES Table

The **PROGRAMCOURSES** Table is used to assign courses to programs

**Table:** ProgramCourses

**Key Fields:** A course can be related to more than one program but the combination of values on fields programID and CourseID cannot be repeated.

Field Name	Data Type	Description	Source
ProgramID	NumericID	The program that the course is part of	Programs feeding table
CourseID	NumericID	Unique ID number	Courses Feeding Table
IncorporationDate	Date/time	This is the date in which the course was officially incorporated to the program	



## SESSIONS Table

The **SESSIONS** Table is used to determine available sessions and assign tutors.

**Table:** Sessions

**Key Fields:** the combination of Term, Tutors and Course cannot be repeated

Field Name	Data Type	Description	Source
<b>SessionID</b>	Number	This is the number that identifies the Session	
<b>tutorID</b>	Number	ID of the tutor in charge of the Session. This help the student agent and the business intelligence team to build stats related to tutors, course likeability, drops, approval rates, etc.	Tutors Feeding Table
<b>TermID</b>	Short text	ID of the term Start Date	Term Feeding Table
<b>Coursed</b>	Short text	ID of the theme (math 1, history, etc.)	Curses Feeding Table
<b>CommentSession</b>	Text	Any comment on the Session	

## TUTORS Table

The **TUTORS** Table is used to identify tutors for the available sessions.

**Table:** Tutors

**Key Fields:** The email address (Tutoremail)

Field Name	Data type	Description	Source
<b>TutorID</b>	Number	Unique ID number	
<b>TutorSuffix</b>	Short text		
<b>TutorName</b>	Short text	The tutor's name	
<b>TutorLastName</b>	Short text	The tutor's Surname	
<b>TutorComment</b>	Short text	Anything our agents need to know	
<b>Tutoremail</b>	Email format		



**Admissions  
Tables**

# Admissions Tables

Once the Start Terms, Courses and Sessions have been defined, the Enrollment team will begin to recruit and enroll Students.

The START UNIVERSITY agents will provide a walkthrough for the students using the START UNIVERSITY application portal, designed to gather all required info in a user-friendly way and using technology that allows the START UNIVERSITY agent to monitor the process and assist the applicant along the entire application process.

Once the student has submitted the application, START UNIVERSITY agents will review that the applicant meets the program requirements and START UNIVERSITY will submit the application information to the university for review and admission decision.

## DOCUMENTTYPES Table

The **DOCUMENTTYPES Table** defines the required document types.

**Table:** DocumentTypes

**Key Fields:** value on DocumentTypeName cannot be repeated

Field Name	Data Type	Description	Source
<b>DocumentTypeID</b>	Numeric ID	This is the unique identifier for a document Type	
<b>DocumentTypeName</b>	Short Text	This is the name of the document Type. Example: "Transcript", Or "Govt. issued ID"	

## DOCUMENTS Table

The **DOCUMENTS Table** defines the specific documents required.

**Table:** Documents

**Key Fields:** value on Document Name cannot be repeated

Field Name	Data Type	Description	Source
Document ID	Numeric ID	This is the unique identifier for a document	
Document Name	Short Text	This is the name of the document. Example: "Driver's License"	
Document Type	Numeric ID	This indicates what type of Document this is and is related to what will be required. For Example, if typed "Transcript," it will be requested and associated to the University the applicant graduated from.	Feeding Table DocumentTypes.
DocumentComment	Text	Comments Regarding the document	

### Example:

Document ID	Document Name	Document Comment	Document Type Name
1	South African ID	ID accepted for South African Resident applicants	Government Issued ID
2	Bachelor Diploma	Tertiary studies proof	Tertiary studies Proof
3	TOEFL	English proficiency	English Language Proficiency
4	Passport	ID accepted for foreign applicants	

## REQUIREDDOCUMENTS Table

The **REQUIRED DOCUMENTS Table** - Once Document types and documents are defined; this table defines which documents are required by applicants of specific programs.

**Table:** RequiredDocument

**Key Fields:** The combination of programID and documentID cannot be repeated

Field Name	Data type	Description	Source
Document ID	Numeric ID		Document feeding Table
Program ID	Numeric ID		Programs Feeding Table
From Doc	Date/Time	Defines the beginning of the date range in which this document will be requested	
To Doc	Date/Time	Defines the end of the date range in which this document will be requested	
Order	Numeric	Defines the order in which the doc is shown	
Country Related	Yes/no	This field indicates the system if the document is required for all applicants or if it depends on nationality.	
Language Related	Yes/no	This field indicates the system if the document is required for all applicants or if it depends on language	

This is an example for documents required for the MBA Program.

Document ID	Program D	From Doc	To Doc	Order	Country Related	Language Related
1	2 (MBA)	1-1-2016	1-2020	1	Yes (SA ONLY)	No
2	2 (MBA)	1-1-2016	1-2020	2	No	No
3	2 (MBA)	1-1-2016	1-2020	3	No	Yes (Rest of the world)
4	2 (MBA)	1-1-2016	1-2020	4	Yes (Rest of the world)	No

## APPLICANTS Table (START UNIVERSITY will send this table to the university for processing)

The **APPLICANTS Table** is the most comprehensive of the data files and reflects all the required demographic information about the student, as well as the student's status in the admissions process.

This file contains all the information needed by the University Admissions office to process the applicant.

The actual fields transmitted in this table will vary based on specific university application requirements and are shown here as an example.

### Table: Applicants

Key Fields: email and GovernmentID

Field Name	Data Type	Description	Source
<b>Personal Data fields</b>			
CRMApplID	Numeric ID		
FirstName	Short Text		
MaidenName	Short Text		
SurName	Short Text		
GenderID	Id Number		Genders feeding table
PopulationGroupID	Numeric ID		Population Groups feeding table
MaritalStatusID	Numeric ID		Marital Status feeding table
HomeLanguageID	Numeric ID		Language feeding table
DisabilityID	Numeric ID		Disability feeding table
<b>Application fields</b>			
ProgramId	Numeric ID		Programs feeding table
termID	Numeric ID		Feeding table Term
<b>Citizen Ship Fields</b>			
CountryOfCitizenshipID	Numeric ID		Countries feeding table
ForeingCountryIDNumber			

ForeingCountryIDType	Numeric ID	idTypes feeding table
CountryIDumber		
CountryIDtype	Numeric ID	idTypes feeding table
DOB	Date/Time	
<b>Contact Fields (up to 3)</b>		
ContactCellPhone	Validated phone field	
ContactEmail	Email format field	
ContactWorkPhone	Validated phone field	
AddressCountryID	Numeric ID	Countries feeding table
AddressStreet	Short Text	
AddressCity	Short Text	
AddressPostalCode	Postal code Format	Postal Codes feeding table
<b>Academic history fields</b>		
<b>Secondary School (up to 4)</b>		
SchoolLeavingCertID	Numeric ID	Certificates feeding Table
HighSchoolStateID	Numeric ID	States feeding table
HighSchoolSchoolID	Numeric ID	High Schools feeding table
HighSchoolLevelID	Numeric ID	High Schools levels feeding table
HighSchoolGraduationYear	Date/Time	
HighSchoolEnrollmentYear	Date/Time	
HighSchoolLastAttendedYear	Date/Time	
HighSchoolGraduatedDetails	Short Text	
HighSchoolSchoolCityID	Numeric ID	Cities feeding table

HighSchoolSchoolPostalCode		Postal Codes feeding Table
MatricTypeID	Numeric ID	Matric Types feeding Table
<b>Academic history fields</b>		
<b>Higher Education (up to 4)</b>		
HigherEducation_InstitutionName		Universities feeding table
HigherEducation_StartYear	Date/Time	
HigherEducation_EndYear	Date/Time	
HigherEducation_QualificationID	Numeric ID	Qualifications feeding table
HigherEducation_FieldOfSpecialization	Short Text	
HigherEducation_QualificationAwarded	Yes/no	
HigherEducation_YearAwarded	Date/Time	
HigherEducation_QualificationLevelID	Numeric ID	QLevel feeding table
HigherEducation_NationalLevelID	Numeric ID	HENationalLevels feeding table
HigherEducation_Result	Numeric ID	HigherEd feeding table
HigherEducation_PostgraduateQualification	Short Text	
<b>StreetPostalCode</b>		
<b>Employment Fields</b>		
<b>Current employer</b>		
CurrentEmployerCompany	Short Text	
CurrentEmployerDirectReport	Short Text	
CurrentEmployerDirectReportPhone		
CurrentEmployerDirectReportEmail	Validated email format	
CurrentEmploterFrom	Date/Time	
CurrentEmployerTo	Date/Time	
Employment Fields		



Previous employer		
PreviousEmployerCompany	Short Text	
PreviousEmployerDirectReport	Short Text	
PreviousEmployerDirectReportPhone		
PreviousEmployerDirectReportEmail		
PreviousEmployerFrom	Date/Time	
PreviousEmployerTo	Date/Time	
Current and previous Activity		
CurrentActivityID	Numeric ID	Activities feeding Table
PreviousActivityID	Numeric ID	Activities feeding Table

## APPLICATION PROCESSING FILES

Once the university receives the applicant data from START UNIVERSITY, they will communicate the decision on the applications using the following five tables.

The status will be described using the statuses defined on the statuses table and on the statusReasons tables.

The application files and all the feeding tables will be passed at every change or depending on the business rules agreed between the OPM and the School.

### APPStatus Table

The **APPSTAUS Table** defines the different statuses that an application can have.

**Table:** AppStatus

**Key Fields:** the value on field AppStatusdescription cannot be repeated

Field name	Data type	Description	Source
IdApstatus	Numeric ID		
AppStatusDescription	Short Text	Describes the Status. Examples: in process, accepted, Rejected, Request, etc.	

## STATUSREASON Table

The **STATUSREASON** Table defines the reason for the statuses applied to applications.

**Table:** StatusReasons

**Key Fields:** the value on field StatusReasonDescription cannot be repeated

Field name	Data type	Description	Source
StatusReasonID	Numeric ID		
StatusReasonDescription	Short Text	Describes the Status Reason. Examples: no papers, insufficient criteria, certification needed on diploma, etc.	

## APPPROGRESS Table

The **APPPROGRESS** Table shows the current status of the current applications being submitted.

**Table:** AppProgress

**Key Fields:** the value on CRMAAppID, StudentID, & applicantID cannot be repeated

Field name	Data type	Description	Source
CRMAAppID		This is the application number provided by START UNIVERSITY	Assigned by CRM
StudentID		This is the Student ID assigned By the School	Assigned by School
ApplicantID		This is the applicant ID assigned By the School, if different than student ID	Assigned by School
ApplicationStatusID		This is the code assigned by the School to the status of the application.	Feeding Table AppStatuses
ProgramID		This is the program the student is applying for. Even though the program is included on the START UNIVERSITY Data, this field has been placed on purpose to identify program changes.	Feeding Table Programs

<b>StatusReasonID</b>		Describes the Status Reason. Examples: no papers, insufficient criteria, certification needed on diploma, etc.	Feeding Table StatusReasons
<b>Session</b>		This identifies the section that the student will take his first class on. Even though the start Section is included on the START UNIVERSITY Data, this field has been placed on purpose to identify changes on the start term.	Feeding Table Sections
<b>SchoolAgent</b>	Short Text	The Name of the agent making the decision	Provided by school
<b>ApplicationStatusChangeDate</b>	Date / Timestamp	This is the date in which the Status was applied to the application. If no Status was applied, this field will come with the application date received from CRM	
<b>Comments</b>	Text	Any comment on the application	

## REQUIRMENTTYPES Table

The **REQUIRMENTTYPES** Table defines the application status requirements status.

**Table:** RequirementTypes

**Key Fields:** the value on field requirementtypeName cannot be repeated

Field name	Data type	Description	Source
<b>RequirementTypeID</b>	Numeric ID	This is the code assigned by the School to the Requirement type.	Feeding Table RequirementTypes
<b>RequirementTypeNAme</b>	Short Text	Example : Document Re-upload, Missing Document, Job clarification, etc., Citizenship question, etc.	

## REQUIREMENTS Table

The **REQUIREMENTS Table** is used to identify applicant progress.

**Table:** Requirements Table

**Key Fields:** The combination of values on fields applicantID, and requirementDateTime cannot be repeated

Field name	Data type	Description	Source
<b>StudentID</b>	Numeric ID	This is the Student ID assigned By the School	Assigned by School
<b>ApplicantID</b>	Numeric ID	This is the applicant ID assigned By the School, if different than student ID	Assigned by School
<b>RequirementTypeID</b>	Numeric ID	This is the code assigned by the School to the Requirement type. Example : Document Re-upload, Missing Document, Job clarification, etc.	Feeding Table RequirementTypes
<b>Requirement Text</b>	Text	This is the text clarifying the request. Example: The passport needs to be resubmitted because the picture is blurry	Feeding Table Programs
<b>RequirementDateTime</b>	Date/Time	The date in which the requirement Was made	
<b>SchoolAgent</b>	Text	The Name of the School employee/agent making the request	Provided by school



**Billing,  
Enrollment  
& LMS Tables**

# 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
<b>Id Invoice</b>	Short text		
<b>Invoice Date</b>	Date/Time	The date in which the invoice was issued	
<b>Paid DateTime</b>	Date/Time	The date in which the invoice was paid	
<b>Amount</b>	Currency	The invoice amount	
<b>PackageID</b>	Short text	The package matching the invoice	Packages Feeding Table
<b>StudentID</b>	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
<b>EnrollmentStatusID</b>	Numeric ID	The identifier for the EnrollmentStatus	
<b>EnrollmetStatusName</b>	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
<b>EnrollmentID</b>	Numeric ID	This is the identifier for the enrollment	
<b>StudentID</b>	Numeric ID	This is what tells us which student is enrolling to the Session	Student Feeding Table
<b>SessionID</b>	Numeric ID	This ID identifies the Session the student is enrolling into.	Session Feeding Table
<b>EnrollmentDate</b>	Date/Time	This is the date in which the student enrolled into the course	
<b>EnrollmentLastChangeDate</b>	Date/Time	This is the date in which the last enrollment status changed	
<b>EnrollmentStatusID</b>	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
<b>EnrollmentCost</b>	Currency	This is the amount that will be debited from the student funds account when enrolled to this session	
<b>EnrollmentCreditsCost</b>	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
<b>StudentId</b>		The university student ID from the SIS.	
<b>EnrollmentId</b>		The unique identifier assigned to the student enrollment in the course, used to tie the student to coursework.	<b>Enrollments id Feeding table</b>
<b>ItemId</b>		A unique identifier for the coursework item.	<b>LMSItems feeding table</b>
<b>itemTypeID</b>		Classification of the coursework item (e.g. "Assignment", "Assessment", "Quiz", "Posting", etc.)	<b>Items feeding table</b>
<b>AssignmentDueDate</b>	Date/Time	Date assignment; if no due date for item type, then blank.	
<b>AssignmentSubmittedDate</b>	Date/Time	Date assignment or quiz turned in, posting completed, or assessment done.	
<b>PointsPossible</b>	Numeric	Number of possible points for assignment, posting, assessment, or quiz (blank if not graded).	
<b>PointsReceived</b>	Numeric	Number of points received for assignment, posting, assessment, or quiz.	
<b>GradeCategoryID</b>	Short Text	A category of the grade upon which a weighting scale would be applied ("Test", "Quiz", "Lab", etc.).	<b>Grade Categories feeding table</b>
<b>CategoryWeight</b>	Numeric	<b>Weight to be applied to this item when determining grade for course.</b>	

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

## 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
<b>xxxxxID</b>	Numeric ID	The ID used on the system.
<b>Xxxxxx</b>	Short Text	A description of the ID used on the system.
<b>UniversityxxxxxID</b>	Text or numeric ID	The code that will be passed to the school upon integration.