# Student Information Database (SID)

Client: Apex Learning Virtual School (ALVS), Seattle WA

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Developer: Jacqui Evanchik, Earnest Development LLC, Seattle WA

Schedule: 3 months Delivered: 3/15/2017



## Overview

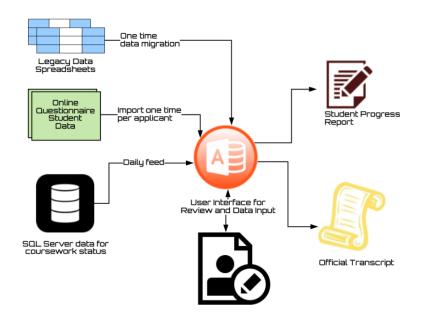
The Full-Time Student Information Database (SID) was design for use inhouse by ALVS to manage detailed information about ALVS Full-Time Program students, including demographic, contact, enrollment, admissions, course history, transcript and graduation tracking information and documents.

# Scope of Work

- Design and development of a custom, MS Access database.
- Full-featured user interface for 5 10 networked users.
- Data mapping and migration from legacy spreadsheets.
- Automated data import routines from SQL Server database.
- Data export routines and reporting.

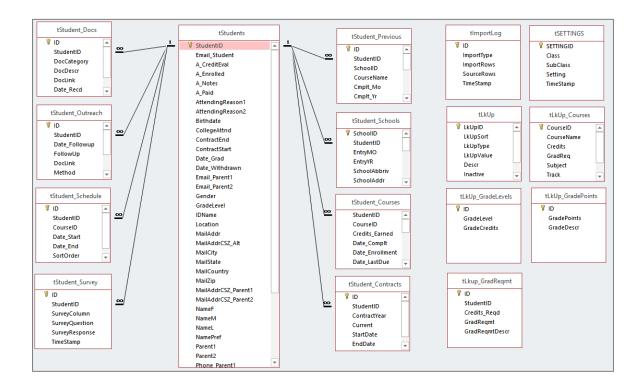
# **Functionality**

- Import student admissions data from online survey/questionnaire site.
- Manage students' demographic and contact information.
- Track completion of admissions requirements and documents.
- Import daily course activity data from primary data management system.
- Manage information on transferred courses and credits from other schools.
- Calculate student performance and progress indicators for active courses.
- Track student progress towards graduation requirements.
- Generate Student Progress report.
- Generate official transcripts.



# Data and Data Storage

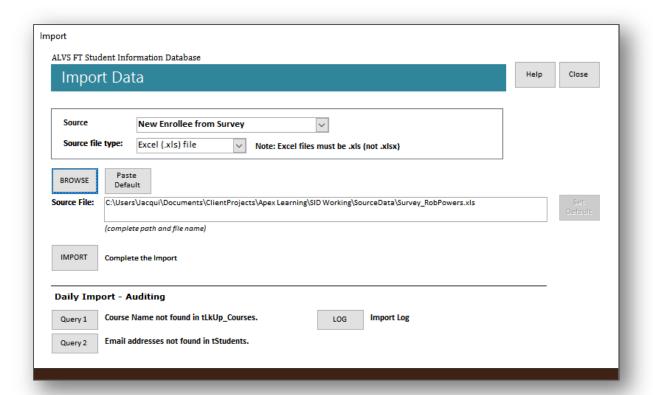
#### **Tables**



#### **Import Data Screen**

Browse to and Import data from spreadsheets or csv files containing data exported from other systems. To begin the import, the User selects:

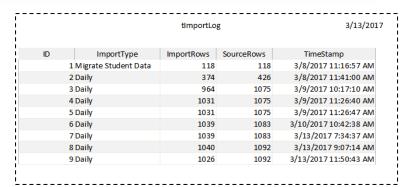
- 1. Source of the data
  - a. 'New Enrollee from Survey', data collected online from 'Survey Gizmo'
  - b. 'Daily Import', current course and status data for students from the Apex Platform.
- 2. Type of file to be imported
  - a. typically, this is an .xlsx file
- 3. To locate and select the file for import, click 'Browse'. Once selected the file path and name will be displayed in the 'Source File' textbox.
- 4. To complete the import, press the 'IMPORT' button. When the import is complete a confirmation message will pop up.



### **Import - Auditing**

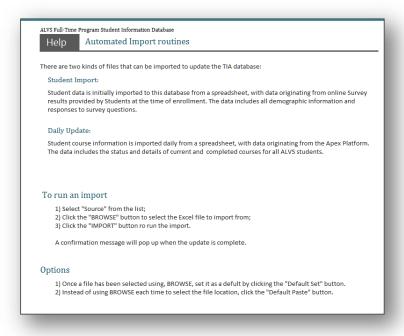
- Query 1: Shows records not imported, where the Course was not found.
- Query 2: Shows records not imported, where Email address was not found.
- Import Log.

### **Import Help Screen**



Daily

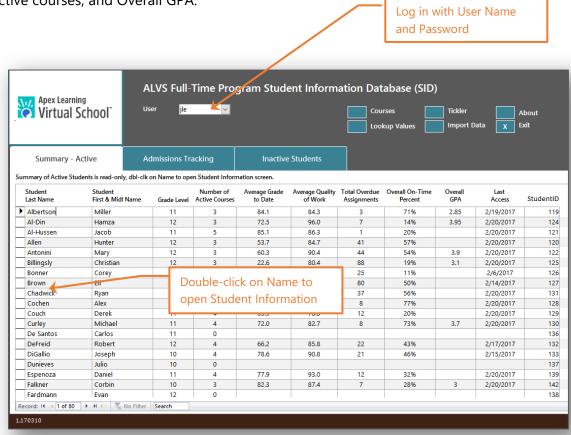
name



# Main Screen

### **Main Screen Tab - Summary - Active**

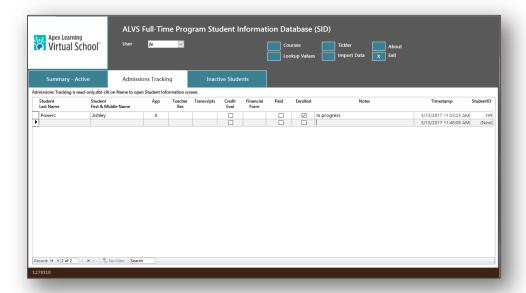
Read-only list of Active Students, displaying current calculated progress and achievement indicators for active courses, and Overall GPA.



### **Main Screen Tab - Admissions Tracking**

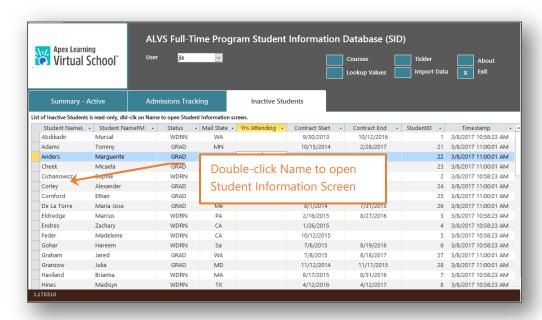
Read-only list of students pending enrollment, displays progress towards admission requirements.

Editable checkboxes for 'Credit Evaluation', 'Paid' and 'Enrolled'.



#### Main ScreenTab - Inactive Students

Displays a read-only list of Students who have graduated or withdrawn.



## Student Information Screen

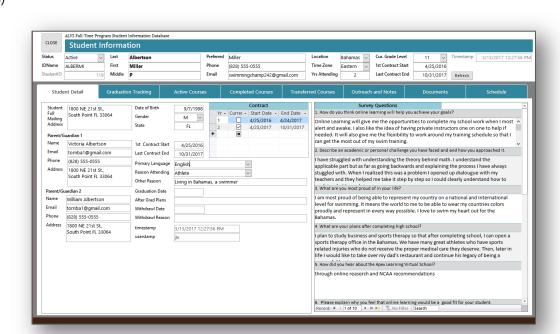
Top section displays Student's name, phone, email, location, time zone, current grade level and contract start and end. Data is editable

This section remains visible above all tabs.

#### **Student Information Screen Tab: Student Detail**

Editable Student detail information, originally imported from student online application.

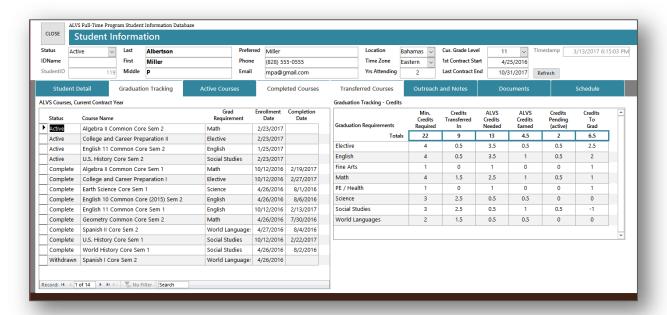
- Student demographic and contact information.
- Contract(s)
- Survey question responses



### **Student Information Screen - Graduation Tracking**

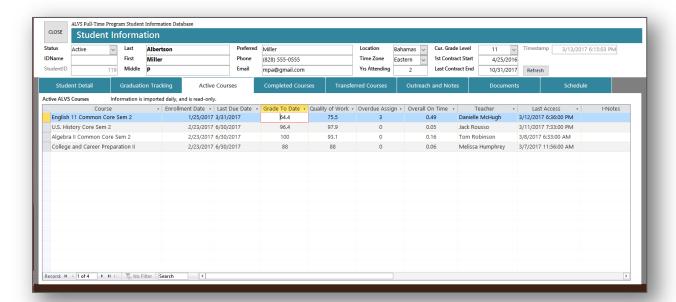
Read-only information updated and re-calculated with each Daily import.

- ALVS Courses, Current Contract Year
- Graduation Tracking Credits



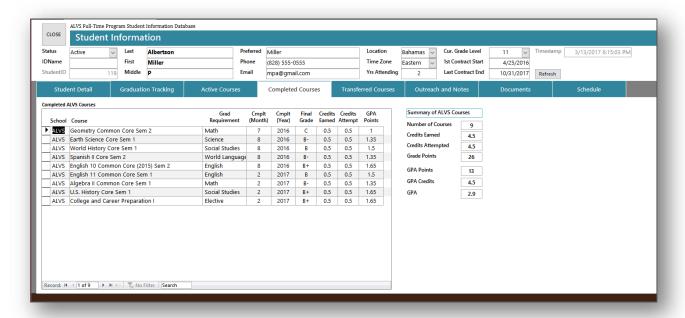
#### **Student Information Screen – Active Courses**

Read-only information updated with each Daily import.



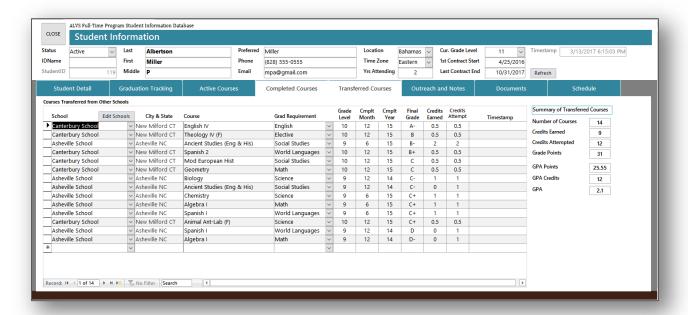
### **Student Information Screen - Completed Courses**

Read-only screen with information and calculations updated with daily import.



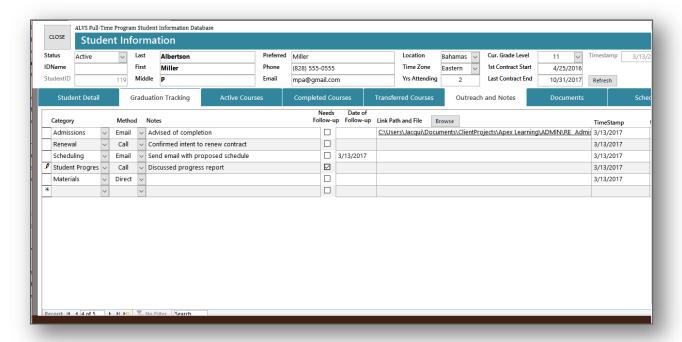
## **Student Information Screen – Transferred Courses**

Editor for storing information on transferred courses and credits from other schools, and summary calculations.



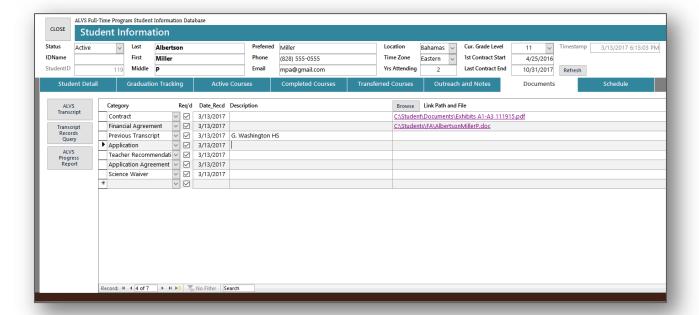
#### **Student Information Screen – Outreach and Notes**

Editor for storing notes, mark for follow up, and links to related documents.



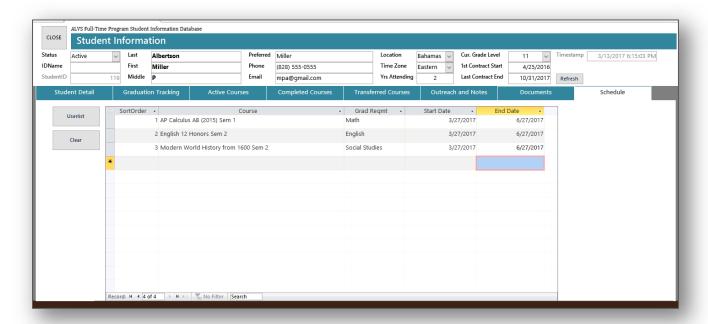
#### **Student Information Screen - Documents**

Editor for tracking admissions requirements storing hyperlinks to related documents.



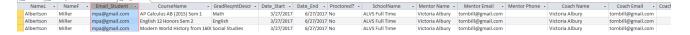
#### **Student Information Screen - Schedule**

Editor for planning future student schedule and generation of the User List.



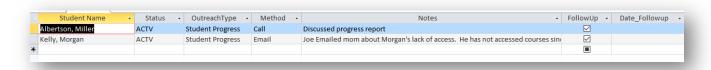
#### **User List**

User list is typically exported to excel for attachment to an email.



## **Tickler**

Opened from the MAIN Screen.



The Tickler list displays notes, ususally created in the Student Information Screen, that have been tagged for follow up.

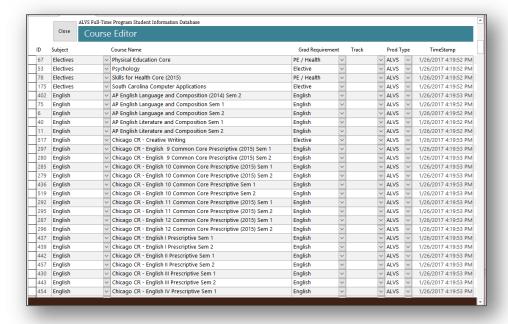
This is an editable query, the user can input when the Note was followed-up on [Date\_Followup], and uncheck the [FollowUp] checkbox so that it the Note is no longer included in the Tickler list.

A new Note can be added directly in this query, or it can be added

# **Course Editor**

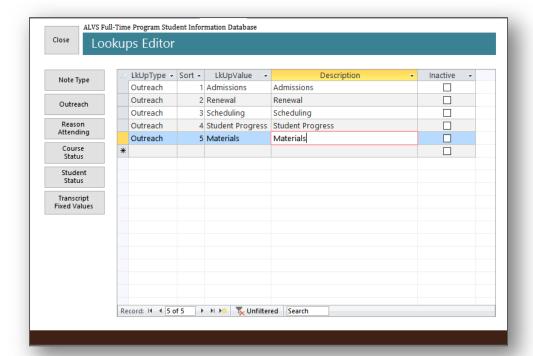
Course editor is opened from the Main Screen.

Editor for adding ALVS FT Student Courses. Course names map exactly to course names in the daily import data. If there is no match, data for that course will be excluded from the import.



# **Lookups Editor**

Editor for lookup values used in editor pull-down lists.



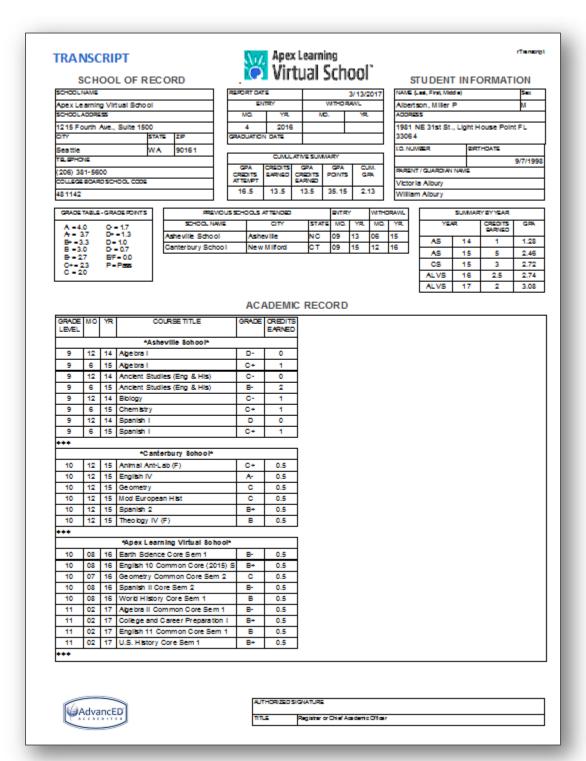
- 1. Using the filter buttons in the left section of the screen, select which Lookup Type you want to display in the editor.
- 2. The Lookup Type is the filter, for existing records this should not be changed. For new records you must assign one of the existing Lookup Types.
- 3. The Sort order determines how the values are ordered in the pull-down lists, change the number in the Column 'Sort'.
- 4. The Lookup Value is the value stored in the tables, it can be the same as the Description, or may be an abbreviation.
- 5. The Description is most often the longer, more discriptive value displayed in screens and reports.

# Output

### **Transcript Report**

Transcript is generated from the Student Information Tab – Documents.

Several versions of the Transcript report are available depending on the amount of data to be shown in the Academic Record section.



## **Progress Report**

Progress report is opened from the Student Information Tab – Documents.

# Progress Report



Student Albertson, Miller P

Email Address: mpa@gmail.com Repot Date: 3/13/2017

Mail Address: 1981 NE 31st St., Light House Point FL 33064 Contract: 4/25/2016 - 10/31/2017

#### Courses - Current Contract Year:

Status	Course Name	Enrollment Date	Completion Date	Quality of Work	Final Grade
Active	English 11 Common Care Sem 2	1/25/2017		75.5	
Active	U.S. History Core Sem 2	2/23/2017		97.9	
Active	Algebra II Common Core Sem 2	2/23/2017		93.1	
Active	College and Career Preparation II	2/23/2017		88	
Complete	English 10 Common Core (2015) Sem 2	4/26/2016	8/6/2016	87.2	B+
Complete	Geometry Common Core Sem 2	4/26/2016	7/30/2016	73	C
Complete	World History Core Sem 1	4/26/2016	8/2/2016	83.1	В
Complete	Earth Science Core Sem 1	4/26/2016	8/1/2016	83.6	B-
Complete	Spanish II Core Sem 2	4/27/2016	8/4/2016	78.9	B-
Complete	English 11 Common Care Sem 1	10/12/2016	2/13/2017	82.2	В
Complete	U.S. History Core Sem 1	10/12/2016	2/22/2017	87.8	B+
Complete	Algebra II Common Core Sem 1	10/12/2016	2/19/2017	79.7	B-
Complete	College and Career Preparation I	10/12/2016	2/27/2017	85.7	B+
Withdraw	Spanish I Core Sem 2	4/26/2016		0	

#### Graduation Tracking:

Graduation Requirement		Credits Required	Credits Transfered	Credits Earned	Credits Pending	Credits to Graduate
	Totals:	22	9	4.5	2	6.5
Elective		4	0.5	0.5	0.5	2.5
English		4	0.5	1	0.5	2
Fine Arts		1	0	0	0	1
Math		4	1.5	1	0.5	1
PE / Health		1	0	0	0	1
Science		3	2.5	0.5	0	0
Social Studies		3	2.5	1	0.5	-1
World Languages		2	1.5	0.5	0	0

Apex Learning Virtual School