



Athabasca
University

Student Management Learning Normalization

Student Management Learning
Shafiq Rafiq

Table of Contents

Student Learning Management 3NF	4
Student Learning Management 3NF	4

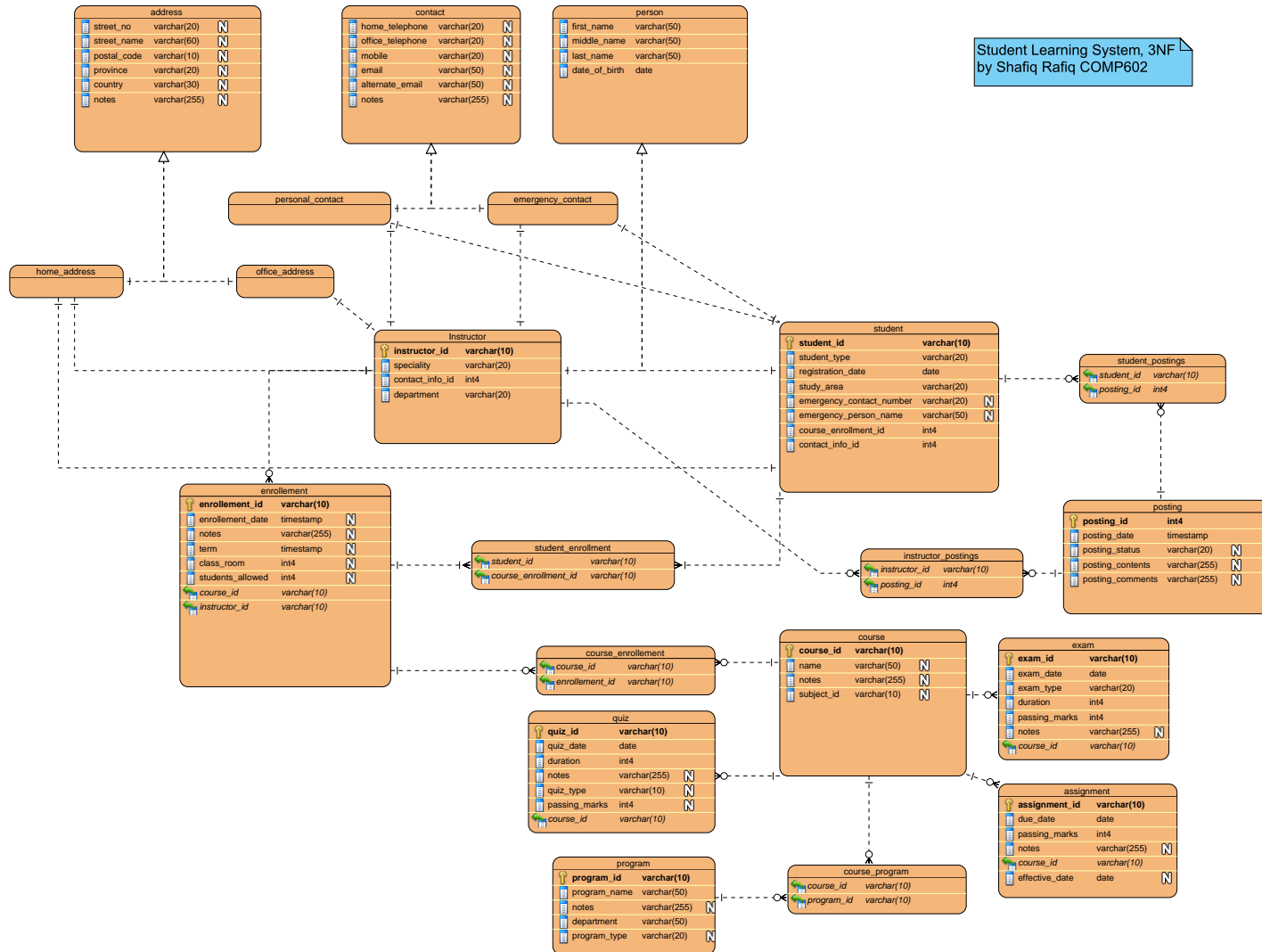
Table of Figures

Student Learning Management 3NF	4
---------------------------------------	---

Entity Relationship Diagram

















Student Learning Management 3NF







Student Learning System, 3NF
by Shafiq Rafiq COMP602



Name	Value
Create Date Time	Jan 30, 2015 7:07:59 PM
Last Modified	Mar 10, 2015 7:19:20 PM
Request Validate Snap To Grid	false
Name	Student Learning Management 3NF
Data Model	Physical

Summary

Name	Documentation
 address	
 contact	
 person	
 personal_contact	
 emergency_contact	
 home_address	
 office_address	
 student	
 Instructor	
 student_postings	
 enrollement	
 posting	
 student_enrollment	
 instructor_postings	
 course	
 exam	

 course_enrollement	
 quiz	
 assignment	
 program	
 course_program	
 N/A	Student Learning System, 3NF by Shafiq Rafiq COMP602

Details

address

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 30, 2015 7:22:15 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
street_no	varchar(20)		Yes	
street_name	varchar(60)		Yes	
postal_code	varchar(10)		Yes	
province	varchar(20)		Yes	
country	varchar(30)		Yes	

notes	varchar(255)		Yes	
-------	--------------	--	-----	--

Columns

street_no	
Author	Nikash
Create Date Time	Jan 30, 2015 7:22:46 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

street_name	
Author	Nikash
Create Date Time	Jan 30, 2015 7:23:10 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	60
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


postal_code	
Author	Nikash
Create Date Time	Jan 30, 2015 7:23:32 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


province	
Author	Nikash
Create Date Time	Jan 30, 2015 7:23:53 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

country	
Author	Nikash
Create Date Time	Jan 30, 2015 7:24:06 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	30
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

notes	
Author	Nikash
Create Date Time	Jan 30, 2015 7:24:32 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
To	 home_address
Author	Nikash
Create Date Time	Feb 5, 2015 7:46:19 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 office_address
Author	Nikash
Create Date Time	Feb 5, 2015 7:47:33 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

contact

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 30, 2015 7:12:31 PM
Last Modified	Feb 5, 2015 7:55:19 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
home_telephone	varchar(20)		Yes	
office_telephone	varchar(20)		Yes	
mobile	varchar(20)		Yes	
email	varchar(50)		Yes	

alternate_email	varchar(50)		Yes	
notes	varchar(255)		Yes	

Columns

home_telephone	
Author	Nikash
Create Date Time	Jan 30, 2015 7:13:14 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

office_telephone	
Author	Nikash
Create Date Time	Jan 30, 2015 7:13:29 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


mobile	
Author	Nikash
Create Date Time	Jan 30, 2015 7:13:51 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


email	
Author	Nikash
Create Date Time	Jan 30, 2015 7:14:04 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

alternate_email	
Author	Nikash
Create Date Time	Jan 30, 2015 7:14:24 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

notes	
Author	Nikash
Create Date Time	Jan 30, 2015 7:14:46 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
To	 personal_contact
Author	Nikash
Create Date Time	Feb 5, 2015 7:54:02 PM
Last Modified	Feb 5, 2015 7:55:19 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 emergency_contact
Author	Nikash
Create Date Time	Feb 5, 2015 7:54:37 PM
Last Modified	Feb 5, 2015 7:55:19 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

person

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Feb 4, 2015 9:04:45 PM
Last Modified	Feb 5, 2015 7:55:19 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
first_name	varchar(50)		No	
middle_name	varchar(50)		No	
last_name	varchar(50)		No	
date_of_birth	date		No	

Columns


first_name	
Author	Nikash
Create Date Time	Feb 4, 2015 9:06:57 PM
Last Modified	Feb 4, 2015 9:18:00 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


middle_name	
Author	Nikash
Create Date Time	Feb 4, 2015 9:07:30 PM
Last Modified	Feb 4, 2015 9:18:00 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

last_name	
Author	Nikash
Create Date Time	Feb 4, 2015 9:07:56 PM
Last Modified	Feb 4, 2015 9:18:00 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

date_of_birth	
Author	Nikash
Create Date Time	Feb 4, 2015 9:08:13 PM
Last Modified	Feb 4, 2015 9:18:00 PM
Type	date
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships


Unnamed Relationship	
To	 student
Author	Nikash
Create Date Time	Feb 4, 2015 9:11:05 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


Unnamed Relationship	
To	 Instructor
Author	Nikash
Create Date Time	Feb 4, 2015 9:12:55 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


personal_contact

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Feb 5, 2015 7:52:45 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Records	N/A

Relationships

Unnamed Relationship	
To	 Instructor
Author	Nikash
Create Date Time	Feb 5, 2015 7:55:25 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


Unnamed Relationship	
To	 student
Author	Nikash
Create Date Time	Feb 5, 2015 7:55:42 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


Unnamed Relationship	
From	 contact
Author	Nikash
Create Date Time	Feb 5, 2015 7:54:02 PM
Last Modified	Feb 5, 2015 7:55:19 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


emergency_contact

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Feb 5, 2015 7:54:12 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Records	N/A

Relationships

Unnamed Relationship	
To	 Instructor
Author	Nikash
Create Date Time	Feb 5, 2015 7:55:35 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


Unnamed Relationship	
To	 student
Author	Nikash
Create Date Time	Feb 5, 2015 7:55:48 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


Unnamed Relationship	
From	 contact
Author	Nikash
Create Date Time	Feb 5, 2015 7:54:37 PM
Last Modified	Feb 5, 2015 7:55:19 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


home_address

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Feb 5, 2015 7:46:00 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Records	N/A

Relationships

Unnamed Relationship	
To	 Instructor
Author	Nikash
Create Date Time	Feb 5, 2015 7:49:47 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


Unnamed Relationship	
To	 student
Author	Nikash
Create Date Time	Feb 5, 2015 7:50:48 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


Unnamed Relationship	
From	 address
Author	Nikash
Create Date Time	Feb 5, 2015 7:46:19 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

office_address

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Feb 5, 2015 7:47:19 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Records	N/A

Relationships

Unnamed Relationship	
To	 Instructor
Author	Nikash
Create Date Time	Feb 5, 2015 7:50:25 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 address
Author	Nikash
Create Date Time	Feb 5, 2015 7:47:33 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

student

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 29, 2015 7:55:23 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
student_id	varchar(10)	PK	No	
student_type	varchar(20)		No	
registration_date	date		No	
study_area	varchar(20)		No	
emergency_contact_number	varchar(20)		Yes	
emergency_person_name	varchar(50)		Yes	
course_enrollment_id	int4(10)		No	
contact_info_id	int4(10)		No	

Columns

student_id	
Author	Nikash
Create Date Time	Jan 29, 2015 7:55:49 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

student_type	
Author	Nikash
Create Date Time	Jan 29, 2015 7:58:12 PM
Last Modified	Feb 2, 2015 8:20:02 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

registration_date	
Author	Nikash
Create Date Time	Jan 29, 2015 7:59:14 PM
Last Modified	Feb 2, 2015 8:20:02 PM
Type	date
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

study_area	
Author	Nikash
Create Date Time	Jan 29, 2015 7:59:34 PM
Last Modified	Feb 2, 2015 8:20:02 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


emergency_contact_number	
Author	Nikash
Create Date Time	Jan 29, 2015 9:24:02 PM
Last Modified	Feb 2, 2015 8:20:02 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


emergency_person_name	
Author	Nikash
Create Date Time	Jan 29, 2015 9:24:22 PM
Last Modified	Feb 2, 2015 8:20:02 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


course_enrollment_id	
Author	Nikash
Create Date Time	Jan 29, 2015 9:35:49 PM
Last Modified	Feb 2, 2015 8:20:02 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


contact_info_id	
Author	Nikash
Create Date Time	Jan 30, 2015 7:17:05 PM
Last Modified	Feb 5, 2015 7:55:19 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes


Relationships


Unnamed Relationship	
To	 student_enrollment
Author	Nikash
Create Date Time	Jan 29, 2015 10:51:12 PM
Last Modified	Feb 4, 2015 10:08:02 PM
Identifying	false
Subtype	false
To Multiplicity	1..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 student_postings
Author	Nikash
Create Date Time	Feb 4, 2015 10:00:04 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 person
Author	Nikash
Create Date Time	Feb 4, 2015 9:11:05 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 home_address
Author	Nikash
Create Date Time	Feb 5, 2015 7:50:48 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 personal_contact
Author	Nikash
Create Date Time	Feb 5, 2015 7:55:42 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 emergency_contact
Author	Nikash
Create Date Time	Feb 5, 2015 7:55:48 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Instructor

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 29, 2015 9:51:26 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
instructor_id	varchar(10)	PK	No	
speciality	varchar(20)		No	
contact_info_id	int4(10)		No	
department	varchar(20)		No	

Columns


instructor_id	
Author	Nikash
Create Date Time	Jan 29, 2015 9:51:38 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes


speciality	
Author	Nikash
Create Date Time	Jan 29, 2015 9:53:08 PM
Last Modified	Feb 4, 2015 9:48:01 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


contact_info_id	
Author	Nikash
Create Date Time	Jan 30, 2015 7:19:19 PM
Last Modified	Feb 5, 2015 7:55:19 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


department	
Author	Nikash
Create Date Time	Feb 4, 2015 9:39:44 PM
Last Modified	Feb 4, 2015 9:48:01 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


Relationships


Unnamed Relationship	
To	 enrollement
Author	Nikash
Create Date Time	Jan 29, 2015 9:54:34 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical


Unnamed Relationship	
To	 instructor_postings
Author	Nikash
Create Date Time	Feb 4, 2015 10:01:38 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 person
Author	Nikash
Create Date Time	Feb 4, 2015 9:12:55 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	true
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 home_address
Author	Nikash
Create Date Time	Feb 5, 2015 7:49:47 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 office_address
Author	Nikash
Create Date Time	Feb 5, 2015 7:50:25 PM
Last Modified	Feb 5, 2015 7:51:17 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 personal_contact
Author	Nikash
Create Date Time	Feb 5, 2015 7:55:25 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 emergency_contact
Author	Nikash
Create Date Time	Feb 5, 2015 7:55:35 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Identifying	false
Subtype	false
To Multiplicity	1
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

student_postings

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Feb 4, 2015 10:00:04 PM
Last Modified	Feb 5, 2015 7:41:21 PM

Columns Summary


Name	Data Type	Constraints	Nullable	Documentation
student_id	varchar(10)	FK (student.student_id)	No	
posting_id	int4(10)	FK (posting.posting_id)	No	


Columns

student_id	
Author	Nikash
Create Date Time	Feb 4, 2015 10:00:04 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

posting_id	
Author	Nikash
Create Date Time	Feb 4, 2015 10:00:04 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
From	 student
Author	Nikash
Create Date Time	Feb 4, 2015 10:00:04 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 posting
Author	Nikash
Create Date Time	Feb 4, 2015 10:00:04 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

enrollement

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 29, 2015 9:29:55 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
enrollement_id	varchar(10)	PK	No	
enrollement_date	timestamp		Yes	
notes	varchar(255)		Yes	
term	timestamp		Yes	

class_room	int4(10)		Yes	
students_allowed	int4(10)		Yes	
course_id	varchar(10)	FK (course.course_id)	No	
instructor_id	varchar(10)	FK (Instructor.instructor_id)	No	

Columns

enrollement_id	
Author	Nikash
Create Date Time	Jan 29, 2015 9:30:09 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

enrollement_date	
Author	Nikash
Create Date Time	Jan 29, 2015 9:30:57 PM
Last Modified	Feb 2, 2015 8:40:03 PM
Type	timestamp
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

notes	
Author	Nikash
Create Date Time	Jan 29, 2015 9:31:13 PM
Last Modified	Feb 2, 2015 8:40:03 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

term	
Author	Nikash
Create Date Time	Jan 29, 2015 9:32:03 PM
Last Modified	Feb 4, 2015 9:48:01 PM
Type	timestamp
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


class_room	
Author	Nikash
Create Date Time	Jan 29, 2015 9:32:33 PM
Last Modified	Feb 2, 2015 8:40:03 PM
Type	int4
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


students_allowed	
Author	Nikash
Create Date Time	Jan 29, 2015 9:32:47 PM
Last Modified	Feb 2, 2015 8:40:03 PM
Type	int4
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


course_id	
Author	Nikash
Create Date Time	Jan 29, 2015 9:44:34 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

instructor_id	
Author	Nikash
Create Date Time	Jan 29, 2015 9:54:39 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
To	 student_enrollment
Author	Nikash
Create Date Time	Jan 29, 2015 10:51:12 PM
Last Modified	Feb 4, 2015 10:08:02 PM
Identifying	false
Subtype	false
To Multiplicity	1..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 course_enrollement
Author	Nikash
Create Date Time	Feb 4, 2015 10:07:10 PM
Last Modified	Feb 4, 2015 10:08:02 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 Instructor
Author	Nikash
Create Date Time	Jan 29, 2015 9:54:34 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

posting

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 29, 2015 8:01:53 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
posting_id	int4(10)	PK	No	
posting_date	timestamp		No	
posting_status	varchar(20)		Yes	
posting_contents	varchar(255)		Yes	
posting_comments	varchar(255)		Yes	

Columns

posting_id	
Author	Nikash
Create Date Time	Jan 29, 2015 8:02:09 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	int4
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes


posting_date	
Author	Nikash
Create Date Time	Jan 29, 2015 8:02:41 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	timestamp
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


posting_status	
Author	Nikash
Create Date Time	Jan 29, 2015 8:02:55 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

posting_contents	
Author	Nikash
Create Date Time	Jan 29, 2015 8:03:12 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

posting_comments	
Author	Nikash
Create Date Time	Jan 29, 2015 8:03:30 PM
Last Modified	Feb 2, 2015 8:24:09 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
To	 student_postings
Author	Nikash
Create Date Time	Feb 4, 2015 10:00:04 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 instructor_postings
Author	Nikash
Create Date Time	Feb 4, 2015 10:01:38 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

student_enrollment

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 29, 2015 10:51:12 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Records	N/A

Columns Summary


Name	Data Type	Constraints	Nullable	Documentation
student_id	varchar(10)	FK (student.student_id)	No	
course_enrollment_id	varchar(10)	FK (enrollement.enrollement_id)	No	


Columns

student_id	
Author	Nikash
Create Date Time	Jan 29, 2015 10:51:12 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

course_enrollment_id	
Author	Nikash
Create Date Time	Jan 29, 2015 10:51:12 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
From	 enrollement
Author	Nikash
Create Date Time	Jan 29, 2015 10:51:12 PM
Last Modified	Feb 4, 2015 10:08:02 PM
Identifying	false
Subtype	false
To Multiplicity	1..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 student
Author	Nikash
Create Date Time	Jan 29, 2015 10:51:12 PM
Last Modified	Feb 4, 2015 10:08:02 PM
Identifying	false
Subtype	false
To Multiplicity	1..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

instructor_postings

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Feb 4, 2015 10:01:38 PM
Last Modified	Feb 5, 2015 7:41:21 PM

Columns Summary


Name	Data Type	Constraints	Nullable	Documentation
instructor_id	varchar(10)	FK (Instructor.instructor_id)	No	
posting_id	int4(10)	FK (posting.posting_id)	No	


Columns

instructor_id	
Author	Nikash
Create Date Time	Feb 4, 2015 10:01:38 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

posting_id	
Author	Nikash
Create Date Time	Feb 4, 2015 10:01:38 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
From	 Instructor
Author	Nikash
Create Date Time	Feb 4, 2015 10:01:38 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 posting
Author	Nikash
Create Date Time	Feb 4, 2015 10:01:38 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

course

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 29, 2015 9:26:06 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
course_id	varchar(10)	PK	No	
name	varchar(50)		Yes	
notes	varchar(255)		Yes	
subject_id	varchar(10)		Yes	

Columns


course_id	
Author	Nikash
Create Date Time	Jan 29, 2015 9:26:25 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes


name	
Author	Nikash
Create Date Time	Jan 29, 2015 9:26:34 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


notes	
Author	Nikash
Create Date Time	Jan 29, 2015 9:26:48 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


subject_id	
Author	Nikash
Create Date Time	Jan 29, 2015 9:27:03 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


Relationships

Unnamed Relationship	
To	 assignment
Author	Nikash
Create Date Time	Jan 30, 2015 7:35:45 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 exam
Author	Nikash
Create Date Time	Jan 30, 2015 7:39:07 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 quiz
Author	Nikash
Create Date Time	Jan 30, 2015 7:51:45 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 course_program
Author	Nikash
Create Date Time	Jan 30, 2015 8:04:13 PM
Last Modified	Feb 4, 2015 10:08:32 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
To	 course_enrollement
Author	Nikash
Create Date Time	Feb 4, 2015 10:07:10 PM
Last Modified	Feb 4, 2015 10:08:32 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

exam

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 30, 2015 7:36:52 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
exam_id	varchar(10)	PK	No	
exam_date	date		No	
exam_type	varchar(20)		No	
duration	int4(10)		No	
passing_marks	int4(10)		No	
notes	varchar(255)		Yes	
course_id	varchar(10)	FK (course.course_id)	No	

Columns

exam_id	
Author	Nikash
Create Date Time	Jan 30, 2015 7:37:03 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

exam_date	
Author	Nikash
Create Date Time	Jan 30, 2015 7:37:10 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	date
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

exam_type	
Author	Nikash
Create Date Time	Jan 30, 2015 7:37:35 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


duration	
Author	Nikash
Create Date Time	Jan 30, 2015 7:37:54 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

passing_marks	
Author	Nikash
Create Date Time	Jan 30, 2015 7:38:11 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

notes	
Author	Nikash
Create Date Time	Jan 30, 2015 7:38:20 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

course_id	
Author	Nikash
Create Date Time	Jan 30, 2015 7:39:11 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
From	 course
Author	Nikash
Create Date Time	Jan 30, 2015 7:39:07 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

course_enrollement

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Feb 4, 2015 10:07:10 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Records	N/A

Columns Summary


Name	Data Type	Constraints	Nullable	Documentation
course_id	varchar(10)	FK (course.course_id)	No	
enrollement_id	varchar(10)	FK (enrollement.enrollement_id)	No	


Columns

course_id	
Author	Nikash
Create Date Time	Feb 4, 2015 10:07:10 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

enrollement_id	
Author	Nikash
Create Date Time	Feb 4, 2015 10:07:10 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
From	 course
Author	Nikash
Create Date Time	Feb 4, 2015 10:07:10 PM
Last Modified	Feb 4, 2015 10:08:32 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 enrollement
Author	Nikash
Create Date Time	Feb 4, 2015 10:07:10 PM
Last Modified	Feb 4, 2015 10:08:02 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

quiz

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 30, 2015 7:28:38 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
quiz_id	varchar(10)	PK	No	
quiz_date	date		No	
duration	int4(10)		No	
notes	varchar(255)		Yes	

quiz_type	varchar(10)		Yes	
passing_marks	int4(10)		Yes	
course_id	varchar(10)	FK (course.course_id)	No	

Columns

quiz_id	
Author	Nikash
Create Date Time	Jan 30, 2015 7:28:50 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

quiz_date	
Author	Nikash
Create Date Time	Jan 30, 2015 7:29:19 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	date
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

duration	
Author	Nikash
Create Date Time	Jan 30, 2015 7:29:36 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


notes	
Author	Nikash
Create Date Time	Jan 30, 2015 7:29:51 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

quiz_type	
Author	Nikash
Create Date Time	Jan 30, 2015 7:31:04 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

passing_marks	
Author	Nikash
Create Date Time	Jan 30, 2015 7:31:19 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	int4
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

course_id	
Author	Nikash
Create Date Time	Jan 30, 2015 7:51:52 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
From	 course
Author	Nikash
Create Date Time	Jan 30, 2015 7:51:45 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

assignment

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 30, 2015 7:33:08 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
assignment_id	varchar(10)	PK	No	
due_date	date		No	
passing_marks	int4(10)		No	

notes	varchar(255)		Yes	
course_id	varchar(10)	FK (course.course_id)	No	
effective_date	date		Yes	

Columns

assignment_id	
Author	Nikash
Create Date Time	Jan 30, 2015 7:33:19 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

due_date	
Author	Nikash
Create Date Time	Jan 30, 2015 7:33:28 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	date
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes


passing_marks	
Author	Nikash
Create Date Time	Jan 30, 2015 7:33:57 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	int4
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

notes	
Author	Nikash
Create Date Time	Jan 30, 2015 7:34:13 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

course_id	
Author	Nikash
Create Date Time	Jan 30, 2015 7:35:48 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

effective_date	
Author	Nikash
Create Date Time	Feb 2, 2015 8:35:25 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	date
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	0
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
From	 course
Author	Nikash
Create Date Time	Jan 30, 2015 7:35:45 PM
Last Modified	Feb 4, 2015 10:04:13 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

program

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 30, 2015 8:02:18 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Records	N/A

Columns Summary

Name	Data Type	Constraints	Nullable	Documentation
program_id	varchar(10)	PK	No	
program_name	varchar(50)		No	
notes	varchar(255)		Yes	
department	varchar(50)		No	
program_type	varchar(20)		Yes	

Columns

program_id	
Author	Nikash
Create Date Time	Jan 30, 2015 8:02:28 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	true
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes


program_name	
Author	Nikash
Create Date Time	Jan 30, 2015 8:02:48 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

notes	
Author	Nikash
Create Date Time	Jan 30, 2015 8:03:21 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	255
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

department	
Author	Nikash
Create Date Time	Jan 30, 2015 8:05:48 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	50
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

program_type	
Author	Nikash
Create Date Time	Jan 30, 2015 8:06:05 PM
Last Modified	Feb 2, 2015 8:37:17 PM
Type	varchar
Nullable	true
Unique	false
Primary Key	false
Index	false
Length	20
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
To	 course_program
Author	Nikash
Create Date Time	Jan 30, 2015 8:04:13 PM
Last Modified	Feb 4, 2015 10:08:32 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

course_program

Name	Value
Data Model	Physical
Author	Nikash
Create Date Time	Jan 30, 2015 8:04:13 PM
Last Modified	Feb 5, 2015 7:57:06 PM
Records	N/A

Columns Summary


Name	Data Type	Constraints	Nullable	Documentation
course_id	varchar(10)	FK (course.course_id)	No	
program_id	varchar(10)	FK (program.program_id)	No	


Columns

course_id	
Author	Nikash
Create Date Time	Jan 30, 2015 8:04:13 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

program_id	
Author	Nikash
Create Date Time	Jan 30, 2015 8:04:13 PM
Last Modified	Feb 5, 2015 7:41:21 PM
Type	varchar
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	10
Scale	0
Id Generator	native
Generated	Unspecified
Sync To Attribute	Yes

Relationships

Unnamed Relationship	
From	 course
Author	Nikash
Create Date Time	Jan 30, 2015 8:04:13 PM
Last Modified	Feb 4, 2015 10:08:32 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

Unnamed Relationship	
From	 program
Author	Nikash
Create Date Time	Jan 30, 2015 8:04:13 PM
Last Modified	Feb 4, 2015 10:08:32 PM
Identifying	false
Subtype	false
To Multiplicity	0..*
From Multiplicity	1
Sync To Association	Yes
Data Model	Physical

 **N/A**

Name	Value
Documentation	Student Learning System, 3NF by Shafiq Rafiq COMP602
Author	Nikash
Create Date Time	Jan 28, 2015 6:49:51 PM
Last Modified	Feb 2, 2015 8:10:00 PM