

SL Time Tracker ERD

Clarence Mitchell

Table of Contents





















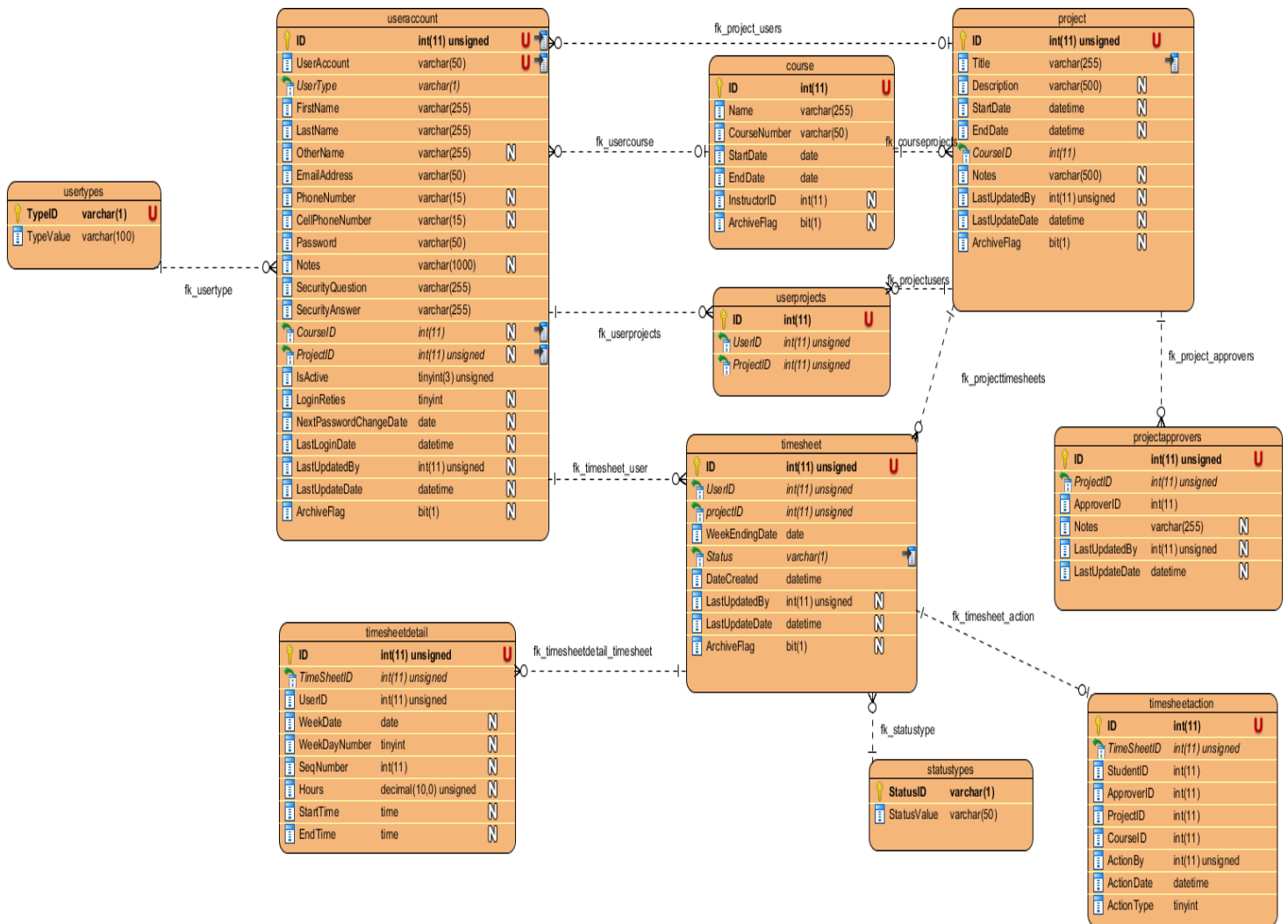
SL Time Tracker	3
Summary.....	4
Details	5
 useraccount.....	5
 project	23
 course	34
 usertypes.....	40
 userprojects.....	43
 projectapprovers	47
 timesheet.....	52
 timesheetdetail	61
 timesheetaction	68
 statustypes	74

Table of Figures

SL Time Tracker	3
Summary.....	4
Details	5
 useraccount.....	5
 project	23
 course	34
 usertypes.....	40
 userprojects.....	43
 projectapprovers	47
 timesheet.....	52
 timesheetdetail	61
 timesheetaction	68
 statustypes	74











Entity Relationship Diagram

SL Time Tracker



Name	Value
Name	SL Time Tracker
Author	Clarence Mitchell
Create Date Time	Nov 7, 2015 3:03:00 PM
Last Modified	Dec 17, 2015 9:58:19 PM
Teamwork Create Date Time	Dec 31, 1969 4:00:00 PM
Point Connector End To Compartment Member	true
Data Model	Physical

Summary

Name	Description
 useraccount	Service Learning User accounts that can access the system
 project	Service Learning Projects. Linked to course via course id
 course	Service Learning Courses
 usertypes	Contains valid values for usertypes: A - Approver I - Instructor S - Student Z - Admin
 userprojects	Links users to projects. User can be on multiple projects and projects can have multiple users
 projectapprovers	Service Learning TimeSheet Approvers for Projects. Linked to Project via project id
 timesheet	Service Learning Timesheets for students
 timesheetdetail	Service Learning Timesheet entry records (1 for each start and end time on timesheet)
 timesheetaction	Service Learning TimeSheet Actions. Contains list of actions that require response. TimeSheet submit generates a record that requires approve or reject TimeSheet reject generates a record that requires resubmit
 statustypes	Contains valid values for statustypes A - Approved Timesheet N - New Timesheet R - Rejected Timesheet S - Submitted Timesheet

Details



useraccount

Name	Value		
Description	Service Learning User accounts that can access the system		
Data Model	Physical		
Records	N/A		
Primary Key Clustered	Unspecified		
Project Management	Name	Value	
	Author	Clarence Mitchell	
	Create Date Time	Nov 7, 2015 5:21:23 PM	
	Last Modified	Dec 17, 2015 9:46:21 PM	

Columns Summary

Name	DataType	Constraints	Nullable	Description
ID	int(11)	PKUnique	No	
UserAccount	varchar(50)	Unique	No	If Student then User OtterID, otherwise first Letter of User's first name, first 3 of User's last name and random 4 digits...
UserType	varchar(1)	FK (usertypes.TypeID)	No	Link key for usertypes
FirstName	varchar(255)		No	User's First Name
LastName	varchar(255)		No	User's Last Name
OtherName	varchar(255)		Yes	User's Nick Name or Other name
EmailAddress	varchar(50)		No	User's Email Address
PhoneNumber	varchar(15)		Yes	User's telephone number
CellPhoneNum ber	varchar(15)		Yes	User's cell phone number
Password	varchar(50)		No	encrypted password
Notes	varchar(1000)		Yes	Notes on user

SecurityQuestion	varchar(255)		No	Security questions for forgotten password
SecurityAnswer	varchar(255)		No	security question answer for forgotten password
CourseID	int(11)	FK (course.ID)	Yes	link to course
ProjectID	int(11)	FK (project.ID)	Yes	ID of project user is assigned to if type is student
IsActive	tinyint		No	flag for deactivating user 0 - Not Active User 1 - Active user
LoginRetries	tinyint		Yes	Number of tries on last attempt to login....
NextPasswordChangeDate	date		Yes	date when password must be changed
LastLoginDate	datetime		Yes	date of last login
LastUpdatedBy	int(11)		Yes	who made last update
LastUpdateDate	datetime		Yes	date of last update
ArchiveFlag	bit(1)		Yes	Set true (not zero) when user account has been archived otherwise false (zero)

Columns

ID		
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	true	
Length	11	
Scale	0	
Id Generator	identity	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 13, 2015 1:08:54 PM

UserAccount		
Description	If Student then User OtterID, otherwise first Letter of User's first name, first 3 of User's last name and random 4 digits...	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	false	
Index	true	
Length	50	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 3:13:59 PM
	Last Modified	Dec 13, 2015 3:20:10 PM

UserType		
Description	Link key for usertypes	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	1	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:35:57 PM
	Last Modified	Dec 17, 2015 9:36:20 PM

FirstName		
Description	User's First Name	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(255)	
Length	255	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 13, 2015 1:59:38 PM

LastName		
Description	User's Last Name	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(255)	
Length	255	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 13, 2015 1:59:38 PM

OtherName		
Description	User's Nick Name or Other name	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(255)	
Length	255	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 13, 2015 1:59:38 PM

EmailAddress		
Description	User's Email Address	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(50)	
Length	50	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 14, 2015 1:57:27 PM

PhoneNumber		
Description	User's telephone number	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(15)	
Length	15	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

CellPhoneNumber		
Description	User's cell phone number	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(15)	
Length	15	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

Password		
Description	encrypted password	
Default Value	"	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(50)	
Length	50	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

Notes		
Description	Notes on user	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(1000)	
Length	1000	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

SecurityQuestion		
Description	Security questions for forgotten password	
Default Value	"	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(255)	
Length	255	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

SecurityAnswer		
Description	security question answer for forgotten password	
Default Value	"	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(255)	
Length	255	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

CourseID		
Description	link to course	
Type	int	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	true	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:20:34 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

ProjectID		
Description	ID of project user is assigned to if type is student	
Type	int	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	true	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:07:54 PM
	Last Modified	Dec 13, 2015 2:09:39 PM

IsActive		
Description	flag for deactivating user 0 - Not Active User 1 - Active user	
Default Value	0	
Type	tinyint	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	tinyint(3) unsigned	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

LoginRetries		
Description	Number of tries on last attempt to login....	
Type	tinyint	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	tinyint(4)	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

NextPasswordChangeDate		
Description	date when password must be changed	
Type	date	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	date	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

LastLoginDate		
Description	date of last login	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

LastUpdatedBy		
Description	who made last update	
Type	int	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:25 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

LastUpdateDate		
Description	date of last update	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

ArchiveFlag		
Description	Set true (not zero) when user account has been archived otherwise false (zero)	
Type	bit	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	1	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:23:44 PM
	Last Modified	Dec 13, 2015 2:09:39 PM


Data



ID	User Account	User Type	First Name	Last Name	Other Name	Email Address	Phone Number	Cell Phone Number	Password	Notes	Security Question	Security Answer	Course ID	Project ID	Is Active	Login Retries	Next Password Change Date	Last Login Date	Last Updated By	Last Update Date	Archive Flag
2	J Jones2222	S	Jessica	Jones	(NULL)	JJones@CSUMB.edu	(831)222-2222	(831)222-2221	SHA1('password')		Greatest Superhero	myself	2	2	1	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)
1	tmcgee1111	Z	Tim	McGee	Probie	Tmcgee@CSUMB.edu	(831)111-1111	(831)111-1112	SHA1('password')	(NULL)	"	"	(NULL)	(NULL)	1	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)


3	N F u r r y 9 9 9 9	A	N i c k	F u r r y		N F u r r y @ C S U M B .e d u	(8 3 1) 9 9 9 - 9 9 9 9	(8 3 1) 9 9 9 - 9 9 9 1	S H A 1 (' p a s s w o r d ')	(N U L L)	"	"	(N U L L)	(N U L L)	1	(N U L L)	(N U L L)	(N U L L)	(N U L L)	(N U L L)	(N U L L)
7	T S t a r k 7 7 7 7	I	T o n y	S t a r k	I r o n m a n	T S t a r k @ C S U M B .e d u	(8 3 1) 7 7 7 - 7 7 7 7	(8 3 1) 7 7 7 - 7 7 7 1	S H A 1 (' p a s s w o r d ')	(N U L L)	"	"	(N U L L)	(N U L L)	1	(N U L L)	(N U L L)	(N U L L)	(N U L L)	(N U L L)	(N U L L)
6	S R o g e r s 6 6 6 6	A	S t e v e	R o g e r s	C a p t a i n A m e r i c a	S R o g e r s @ C S U M B .e d u	(8 3 1) 6 6 6 - 6 6 6 1	(8 3 1) 6 6 6 - 6 6 6 2	S H A 1 (' p a s s w o r d ')	(N U L L)	"	"	(N U L L)	(N U L L)	1	(N U L L)	(N U L L)	(N U L L)	(N U L L)	(N U L L)	(N U L L)


5	P	S	P	P	S	P	((S	("	"	1	1	1	((((((
P	P		e	a	p	P	8	8	H	N						N	N	N	N	N	N
a	a		t	k	i	a	3	3	A	U						U	U	U	U	U	U
k	k		r	e	d	k	1	1	1	L						L	L	L	L	L	L
5	5			r	e	r))	()))))))
5	5				m	@	5	5	'												
5	5				a	C	-	-	p												
						S	5	5	a												
						U	5	5	s												
						M	5	5	w												
						B	5	5	o												
						.	1		r												
						e			d												
						d			'												
						u)												

Relationships

fk_timesheet_user : Relationship		
To	 timesheet	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:25 PM
	Last Modified	Dec 13, 2015 1:29:21 PM

fk_userprojects : Relationship		
To	 userprojects	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 2:10:09 PM
	Last Modified	Dec 13, 2015 2:39:41 PM
fk_usercourse : Relationship		
From	 course	
Identifying	false	
Subtype	false	
On Delete	Set null	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	0..1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:02:55 PM
	Last Modified	Dec 13, 2015 3:23:49 PM

fk_project_users : Relationship		
From	 project	
Identifying	false	
Subtype	false	
On Delete	Set null	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	0..1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:18:58 PM
	Last Modified	Dec 13, 2015 1:29:21 PM

fk_usertype : Relationship		
From	 usertypes	
Identifying	false	
Subtype	false	
On Delete	Set null	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 14, 2015 12:06:57 AM
	Last Modified	Dec 14, 2015 12:11:54 AM

project

Name	Value	
Description	Service Learning Projects. Linked to course via course id	
Data Model	Physical	
Records	N/A	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:22 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
ID	int(11)	PKUnique	No	Primary key
Title	varchar(255)		No	Name of project
Description	varchar(500)		Yes	detailed description of project
StartDate	datetime		Yes	project start date
EndDate	datetime		Yes	project end date
CourseID	int(11)	FK (course.ID)	No	links project to course
Notes	varchar(500)		Yes	
LastUpdatedBy	int(11)		Yes	who updated this record last
LastUpdateDate	datetime		Yes	date of last update
ArchiveFlag	bit(1)		Yes	Set true (not zero) when project has been archived otherwise false (zero)

Columns

ID		
Description	Primary key	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	false	
Length	11	
Scale	0	
Id Generator	identity	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Title		
Description	Name of project	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(255)	
Length	255	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Description		
Description	detailed description of project	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(500)	
Length	500	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

StartDate		
Description	project start date	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

EndDate		
Description	project end date	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

CourseID		
Description	links project to course	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:20:34 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Notes		
Default Value	"	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(500)	
Length	500	
Scale	0	
Id Generator	native	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 12, 2015 6:31:44 PM

LastUpdatedBy		
Description	who updated this record last	
Type	int	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:25 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

LastUpdateDate		
Description	date of last update	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

ArchiveFlag		
Description	Set true (not zero) when project has been archived otherwise false (zero)	
Type	bit	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	1	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:23:44 PM
	Last Modified	Dec 17, 2015 9:46:21 PM


Data


ID	Title	Description	Start Date	EndDate	CourseID	Notes	Last UpdatedBy	Last UpdateDate	ArchiveFlag
1	Seaside Elementary School Network	Upgrade of Network	2015-11-15	2015-12-25	1	"	(NULL)	(NULL)	(NULL)
2	Monterey County Office	IT Assistance to Monterey County	2015-11-15	2015-12-25	2	"	(NULL)	(NULL)	(NULL)


Indices


project			
Columns	Title		
	Description	Name of project	
	Type	varchar	
	Sequence Allocation Size	-1	
	Nullable	false	
	Unique	false	
	Primary Key	false	
	Index	false	
	Type Name	varchar(255)	
	Length	255	
	Scale	0	
	Generated	Unspecified	
	Sync To Attribute	Yes	
	Project Management	Name	Value
		Author	Clarence Mitchell
Create Date Time		Nov 7, 2015 5:21:23 PM	
Last Modified		Dec 17, 2015 9:56:22 PM	
Unique	true		
Bitmap	false		
Fulltext	false		
Index Name Pattern	{table_name}		
Clustered	Non-clustered		
Project Management	Name	Value	
	Author	Clarence Mitchell	
	Create Date Time	Nov 7, 2015 5:21:27 PM	
	Last Modified	Dec 12, 2015 6:31:44 PM	


Relationships

fk_project_approvers : Relationship		
To	 projectapprovers	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:16:15 PM
	Last Modified	Dec 13, 2015 1:39:22 PM

fk_project_users : Relationship		
To	 useraccount	
Identifying	false	
Subtype	false	
On Delete	Set null	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	0..1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:18:58 PM
	Last Modified	Dec 13, 2015 1:29:21 PM

fk_projecttimesheets : Relationship		
To	 timesheet	
Identifying	false	
Subtype	false	
On Delete	Set null	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 1:37:12 PM
	Last Modified	Dec 13, 2015 1:39:22 PM

fk_projectusers : Relationship		
To	 userprojects	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 2:26:24 PM
	Last Modified	Dec 13, 2015 2:39:41 PM

fk_courseprojects : Relationship		
From	 course	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	

Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:04:45 PM
	Last Modified	Dec 13, 2015 1:29:21 PM

course

Name	Value	
Description	Service Learning Courses	
Data Model	Physical	
Records	N/A	
Primary Key Constraint Name	ID	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:04:06 PM
	Last Modified	Dec 17, 2015 9:57:59 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
ID	int(11)	PKUnique	No	primary key
Name	varchar(255)		No	Name of course
CourseNumber	varchar(50)		No	course number
StartDate	date		No	start date of course
EndDate	date		No	end date of course
InstructorID	int(11)		Yes	links to instructor
ArchiveFlag	bit(1)		Yes	Set true (not zero) when course has been archived otherwise false (zero)

Columns

ID		
Description	primary key	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	false	
Length	11	
Scale	0	
Id Generator	identity	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:04:41 PM
	Last Modified	Dec 17, 2015 9:57:59 PM

Name		
Description	Name of course	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	255	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:04:47 PM
	Last Modified	Dec 17, 2015 9:57:59 PM

CourseNumber		
Description	course number	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	50	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:06:05 PM
	Last Modified	Dec 17, 2015 9:57:59 PM

StartDate		
Description	start date of course	
Type	date	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:06:44 PM
	Last Modified	Dec 17, 2015 9:57:59 PM

EndDate		
Description	end date of course	
Type	date	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:07:23 PM
	Last Modified	Dec 17, 2015 9:57:59 PM


InstructorID		
Description	links to instructor	
Type	int	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:07:46 PM
	Last Modified	Dec 17, 2015 9:57:59 PM


ArchiveFlag		
Description	Set true (not zero) when course has been archived otherwise false (zero)	
Type	bit	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	1	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:08:15 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

Data

ID	Name	Course Number	StartDate	EndDate	InstructorID	ArchiveFlag
1	Technology Tutoring	CST361s	2015-11-01	2015-12-31	(NULL)	(NULL)
2	Service Learning	CST361f	2015-11-01	2015-12-31	(NULL)	(NULL)

Relationships

fk_usercourse : Relationship		
To	 useraccount	
Identifying	false	
Subtype	false	
On Delete	Set null	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	0..1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:02:55 PM
	Last Modified	Dec 13, 2015 3:23:49 PM

fk_courseprojects : Relationship		
To	 project	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:04:45 PM
	Last Modified	Dec 13, 2015 1:29:21 PM

usertypes

Name	Value	
Description	Contains valid values for usertypes: A - Approver I - Instructor S - Student Z - Admin	
Data Model	Physical	
Records	N/A	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 11:48:56 PM
	Last Modified	Dec 17, 2015 9:36:20 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
TypeID	varchar(1)	PKUnique	No	
TypeValue	varchar(100)		No	

Columns


TypeID		
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	false	
Length	1	
Scale	0	
Id Generator	assigned	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 11:49:08 PM
	Last Modified	Dec 14, 2015 12:11:54 AM

TypeValue		
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	100	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 11:49:11 PM
	Last Modified	Dec 14, 2015 12:11:54 AM

Data

TypeID	TypeValue
S	Student
A	Approver
Z	Admin
I	Instructor

Relationships

fk_usertype : Relationship		
To	 useraccount	
Identifying	false	
Subtype	false	
On Delete	Set null	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 14, 2015 12:06:57 AM
	Last Modified	Dec 14, 2015 12:11:54 AM



userprojects

Name	Value	
Description	Links users to projects. User can be on multiple projects and projects can have multiple users	
Data Model	Physical	
Records	N/A	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 2:03:18 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
ID	int(11)	PKUnique	No	primary key
UserID	int(11)	FK (useraccount.ID)	No	links to user account
ProjectID	int(11)	FK (project.ID)	No	links to project

Columns

ID		
Description	primary key	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	false	
Length	11	
Scale	0	
Id Generator	identity	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 2:04:00 PM
	Last Modified	Dec 17, 2015 9:56:22 PM


UserID		
Description	links to user account	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 2:04:05 PM
	Last Modified	Dec 17, 2015 9:56:22 PM


ProjectID		
Description	links to project	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 2:04:19 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Data

ID	UserID	ProjectID
2	2	2
1	5	1
3	(NULL)	(NULL)

Relationships

fk_userprojects : Relationship		
From	 useraccount	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 2:10:09 PM
	Last Modified	Dec 13, 2015 2:39:41 PM

fk_projectusers : Relationship		
From	 project	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 2:26:24 PM
	Last Modified	Dec 13, 2015 2:39:41 PM



projectapprovers

Name	Value	
Description	Service Learning TimeSheet Approvers for Projects. Linked to Project via project id	
Data Model	Physical	
Records	N/A	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:22 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
ID	int(11)	PKUnique	No	primary key
ProjectID	int(11)	FK (project.ID)	No	links to project
ApproverID	int(11)		No	links to user account that can approve timesheet
Notes	varchar(255)		Yes	
LastUpdatedBy	int(11)		Yes	user who last updated this record
LastUpdateDate	datetime		Yes	date of last update

Columns

ID		
Description	primary key	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	false	
Length	11	
Scale	0	
Id Generator	identity	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:22 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

ProjectID		
Description	links to project	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:24 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

ApproverID		
Description	links to user account that can approve timesheet	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:55:11 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Notes		
Default Value	"	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	varchar(255)	
Length	255	
Scale	0	
Id Generator	native	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:22 PM
	Last Modified	Dec 12, 2015 6:21:43 PM


LastUpdatedBy		
Description	user who last updated this record	
Type	int	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:25 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

LastUpdateDate		
Description	date of last update	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:56:22 PM

Data

ID	ProjectID	ApproverID	Notes	LastUpdatedBy	LastUpdateDate
1	1	3	(NULL)	(NULL)	(NULL)
2	2	2		(NULL)	(NULL)
3	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

Relationships

fk_project_approvers : Relationship		
From	 project	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:16:15 PM
	Last Modified	Dec 13, 2015 1:39:22 PM

timesheet

Name	Value	
Description	Service Learning TimesSheets for students	
Data Model	Physical	
Records	N/A	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
ID	int(11)	PKUnique	No	Primary Key
UserID	int(11)	FK (useraccount.ID)	No	Links to user
projectID	int(11)	FK (project.ID)	No	Links to Project
WeekEndingDate	date		No	Ending date of the week for timesheet
Status	varchar(1)	FK (statustypes.StatusID)	No	Links to valid status values N - New TimeSheet but not saved by user S - Submitted TimeSheet A - Approved TimeSheet R - Rejected TimeSheet
DateCreated	datetime		No	Date timesheet was created
LastUpdatedBy	int(11)		Yes	Who made the last update
LastUpdateDate	datetime		Yes	date of last update
ArchiveFlag	bit(1)		Yes	Set true (not zero) when timesheet has been archived otherwise false (zero)

Columns

ID		
Description	Primary Key	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	false	
Length	11	
Scale	0	
Id Generator	identity	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

UserID		
Description	Links to user	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:26 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

projectID		
Description	Links to Project	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 1:37:12 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

WeekEndingDate		
Description	Ending date of the week for timesheet	
Type	date	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	date	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

Status		
Description	Links to valid status values N - New TimeSheet but not saved by user S - Submitted TimeSheet A - Approved TimeSheet R - Rejected TimeSheet	
Default Value	0	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	1	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

DateCreated		
Description	Date timesheet was created	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM

	Last Modified	Dec 17, 2015 9:51:44 PM
--	---------------	-------------------------

LastUpdatedBy		
Description	Who made the last update	
Type	int	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:25 PM
	Last Modified	Dec 17, 2015 9:51:44 PM


LastUpdateDate		
Description	date of last update	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:51:44 PM


ArchiveFlag		
Description	Set true (not zero) when timesheet has been archived otherwise false (zero)	
Type	bit	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	1	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:23:44 PM
	Last Modified	Dec 17, 2015 9:46:21 PM


Indices

timesheet			
Columns	Status		
	Description	Links to valid status values N - New TimeSheet but not saved by user S - Submitted TimeSheet A - Approved TimeSheet R - Rejected TimeSheet	
	Default Value	0	
	Type	varchar	
	Sequence Allocation Size	-1	
	Nullable	false	
	Unique	false	
	Primary Key	false	
	Index	false	
	Length	1	
	Scale	0	
	Generated	Unspecified	
	Sync To Attribute	Yes	
	Project Management	Name	Value
		Author	Clarence Mitchell
		Create Date Time	Nov 7, 2015 5:21:23 PM
		Last Modified	Dec 17, 2015 9:51:44 PM
	Unique	false	
Bitmap	false		
Fulltext	false		
Index Name Pattern	{table_name}		
Clustered	Non-clustered		
Project Management	Name	Value	
	Author	Clarence Mitchell	
	Create Date Time	Nov 7, 2015 5:21:27 PM	
	Last Modified	Dec 13, 2015 1:39:22 PM	


Relationships


fk_timesheetdetail_timesheet : Relationship		
To	 timesheetdetail	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:26 PM
	Last Modified	Dec 13, 2015 1:29:21 PM

fk_timesheet_action : Relationship		
To	 timesheetaction	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..1	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:11:46 PM
	Last Modified	Dec 13, 2015 1:29:21 PM

fk_timesheet_user : Relationship		
From	 useraccount	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	

From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:25 PM
	Last Modified	Dec 13, 2015 1:29:21 PM

fk_projecttimesheets : Relationship		
From	 project	
Identifying	false	
Subtype	false	
On Delete	Set null	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 13, 2015 1:37:12 PM
	Last Modified	Dec 13, 2015 1:39:22 PM

fk_statustype : Relationship		
From	 statustypes	
Identifying	false	
Subtype	false	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 15, 2015 7:17:02 PM
	Last Modified	Dec 15, 2015 7:17:49 PM



timesheetdetail

Name	Value	
Description	Service Learning Timesheet entry records (1 for each start and end time on timesheet)	
Data Model	Physical	
Records	N/A	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
ID	int(11)	PKUnique	No	Primary key
TimeSheetID	int(11)	FK (timesheet.ID)	No	link to main timesheet information
UserID	int(11)		No	link back to user of timesheet
WeekDate	date		Yes	date of the week for timesheet detail record
WeekDayNumber	tinyint		Yes	weekday number for timesheet information 1 - Sunday 2 - Monday 3 - Tuesday 4 - Wednesday 5 -Thursday 6 - Friday 7 - Saturday
SeqNumber	int(11)		Yes	Sequence Number used to place on the screen in correct order.

Hours	decimal(10)		Yes	Hours for time entry
StartTime	time		Yes	Start time for time entry
EndTime	time		Yes	End time for time entry

Columns

ID		
Description	Primary key	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	false	
Length	11	
Scale	0	
Id Generator	identity	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

TimeSheetID	
Description	link to main timesheet information
Type	int
Sequence Allocation Size	-1
Nullable	false
Unique	false
Primary Key	false
Index	false
Length	11
Scale	0
Generated	Unspecified
Sync To Attribute	Yes

Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:26 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

UserID		
Description	link back to user of timesheet	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:27 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

WeekDate		
Description	date of the week for timesheet detail record	
Type	date	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	date	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM

	Last Modified	Dec 17, 2015 9:46:21 PM
--	---------------	-------------------------

WeekDayNumber		
Description	weekday number for timesheet information 1 - Sunday 2 - Monday 3 - Tuesday 4 - Wednesday 5 -Thursday 6 - Friday 7 - Saturday	
Type	tinyint	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:34:09 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

SeqNumber		
Description	Sequence Number used to place on the screen in correct order.	
Type	int	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value


	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 8:35:29 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

Hours		
Description	Hours for time entry	
Type	decimal	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Type Name	decimal(10,0) unsigned	
Length	10	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

StartTime		
Description	Start time for time entry	
Type	time	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 8:35:04 PM
	Last Modified	Dec 17, 2015 9:46:21 PM

EndTime		
Description	End time for time entry	
Type	time	
Sequence Allocation Size	-1	
Nullable	true	
Unique	false	
Primary Key	false	
Index	false	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 8:35:24 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

Relationships

fk_timesheetdetail_timesheet : Relationship		
From	 timesheet	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:26 PM
	Last Modified	Dec 13, 2015 1:29:21 PM



timesheetaction

Name	Value	
Description	Service Learning TimeSheet Actions. Contains list of actions that require response. TimeSheet submit generates a record that requires approve or reject TimeSheet reject generates a record that requires resubmit	
Data Model	Physical	
Records	N/A	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:57:10 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
ID	int(11)	PKUnique	No	Primary key
TimeSheetID	int(11)	FK (timesheet.ID)	No	links to timesheet record
StudentID	int(11)		No	Links to student user record
ApproverID	int(11)		No	links to approver user record
ProjectID	int(11)		No	links to project record
CourseID	int(11)		No	links to course record
ActionBy	int(11)		No	links to user that performed the last action that needed response
ActionDate	datetime		No	Date and time of action
ActionType	tinyint		No	Values 2 - Submitted TimeSheet 3 - Approved TimeSheet 4 - Rejected TimeSheet

Columns

ID		
Description	Primary key	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	true	
Primary Key	true	
Index	false	
Length	11	
Scale	0	
Id Generator	identity	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:58:11 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

TimeSheetID		
Description	links to timesheet record	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:58:45 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

StudentID		
Description	Links to student user record	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:59:18 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

ApproverID		
Description	links to approver user record	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 6:59:55 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

ProjectID		
Description	links to project record	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:00:52 PM
	Last Modified	Dec 17, 2015 9:51:44 PM


CourseID		
Description	links to course record	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:02:11 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

ActionBy		
Description	links to user that performed the last action that needed response	
Type	int	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	11	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:25 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

ActionDate		
Description	Date and time of action	
Type	datetime	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Type Name	datetime	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Nov 7, 2015 5:21:23 PM
	Last Modified	Dec 17, 2015 9:51:44 PM

ActionType		
Description	Values 2 - Submitted TimeSheet 3 - Approved TimeSheet 4 - Rejected TimeSheet	
Type	tinyint	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	0	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:23:19 PM
	Last Modified	Dec 13, 2015 2:49:42 PM

Relationships

fk_timesheet_action : Relationship		
From	 timesheet	
Identifying	false	
Subtype	false	
On Delete	Cascade	
On Update	Cascade	
To Multiplicity	0..1	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 12, 2015 7:11:46 PM
	Last Modified	Dec 13, 2015 1:29:21 PM



statustypes

Name	Value	
Description	Contains valid values for statustypes A - Approved Timesheet N - New Timesheet R - Rejected Timesheet S - Submitted Timesheet	
Data Model	Physical	
Records	N/A	
Primary Key Clustered	Unspecified	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 15, 2015 7:12:04 PM
	Last Modified	Dec 17, 2015 9:36:20 PM

Columns Summary

Name	DataType	Constraints	Nullable	Description
StatusID	varchar(1)	PK	No	Primary Key. Contains 1 character value
StatusValue	varchar(50)		No	Actual descriptive value

Columns


StatusID		
Description	Primary Key. Contains 1 character value	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	true	
Index	false	
Length	1	
Scale	0	
Id Generator	native	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 15, 2015 7:12:19 PM
	Last Modified	Dec 17, 2015 9:36:20 PM

StatusValue		
Description	Actual descriptive value	
Type	varchar	
Sequence Allocation Size	-1	
Nullable	false	
Unique	false	
Primary Key	false	
Index	false	
Length	50	
Scale	0	
Generated	Unspecified	
Sync To Attribute	Yes	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 15, 2015 7:12:39 PM
	Last Modified	Dec 17, 2015 9:36:20 PM

Data

StatusID	StatusValue
A	Approved
N	New
R	Reject
S	Submitted

Relationships

fk_statustype : Relationship		
To	 timesheet	
Identifying	false	
Subtype	false	
To Multiplicity	0..*	
From Multiplicity	1	
Sync To Association	Yes	
Data Model	Physical	
Project Management	Name	Value
	Author	Clarence Mitchell
	Create Date Time	Dec 15, 2015 7:17:02 PM
	Last Modified	Dec 15, 2015 7:17:49 PM