Project 1 - ERS - ERD Diagram

Layouts

Tables

ers.ers_reimbursemet

🔑	reimb_id	integer	#
	reimb_amount	integer	#
	reimb_submitted	timestamp	d
	reimb_resolved	timestamp	d
	reimb_description	timestamp	d
	reimb_receipt	varchar(250)	t
🔑①	reimb_author	integer	#
🔑①	reimb_resolver	integer	#
🔑①	reimb_status_id	integer	#
🔑①	reimb_type_id	integer	#

ers.ers_reimbursement_status

🔑	reimb_status_id	integer	#
	reimb_status	varchar(10)	t

reimb_status_id

ers.ers_reimbursement_type

🔑	reimb_type_id	integer	#
	reimb_type	varchar(10)	t

reimb_type_id

ers.ers_user_roles

🔑	ers_user_role_id	integer	#
	user_role	varchar(20)	t

ers_user_role_id

ers.ers_users

🔑	ers_users_id	integer	#
	ers_username	varchar(50)	t
	ers_password	varchar(150)	t
	user_first_name	varchar(100)	t
	user_last_name	varchar(100)	t
	user_email	varchar(150)	t
🔑①	user_role_id	integer	#

ers_users_id

users_id

Project 1 - Expense Reimbursement System (ERS)

Table ers.ers_reimbursement_status
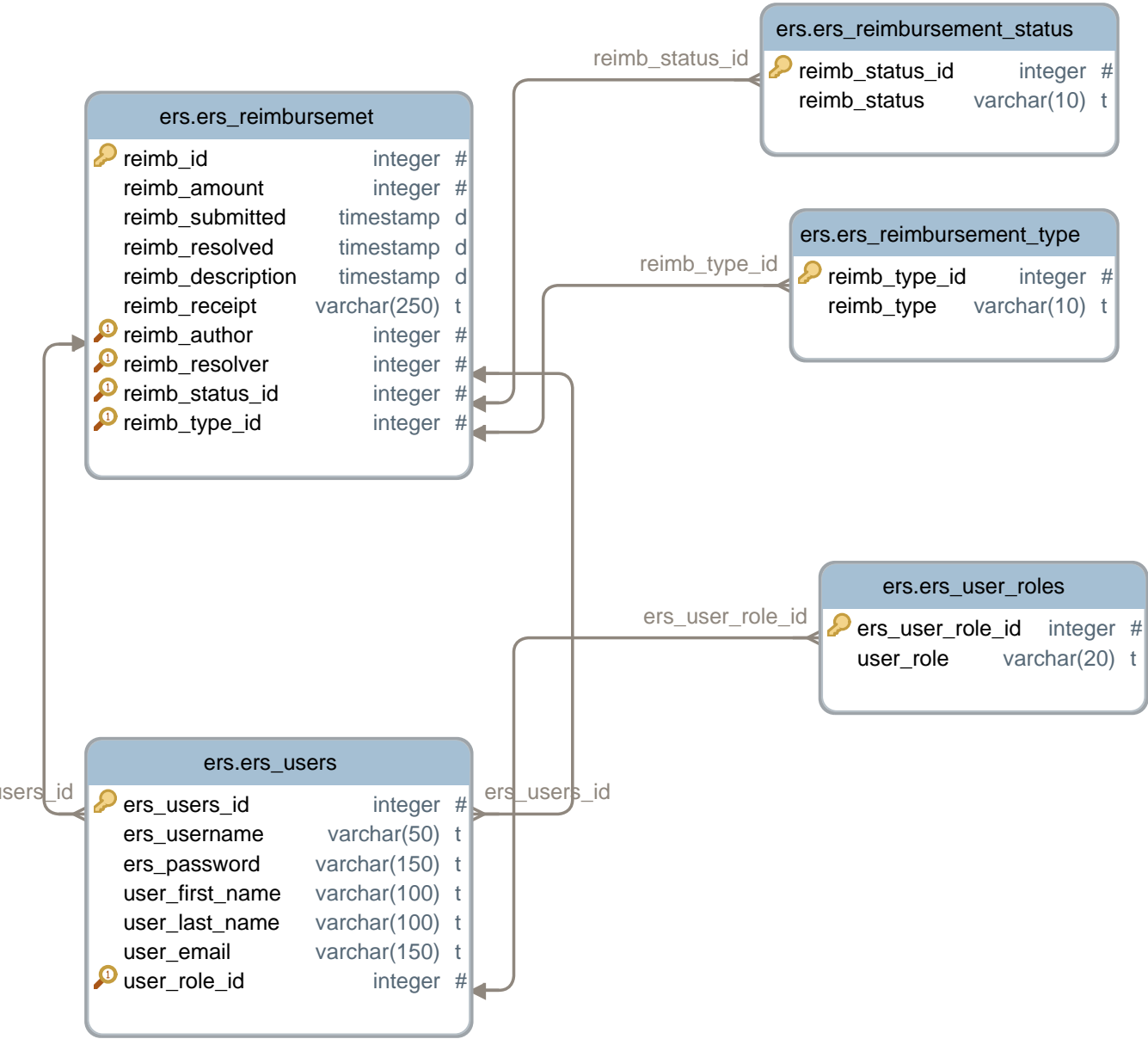
* Pk	reimb_status_id	integer
*	reimb_status	varchar(10)
Indexes		
Pk	pk_ers_reimbursement_status_reimb_status_id	reimb_status_id
Foreign Keys		
	fk_ers_reimbursement_status_ers_reimbursemet (reimb_status_id) ref ers_reimbursemet (reimb_status_id)	

Table ers.ers_reimbursement_type

* Pk	reimb_type_id	integer
*	reimb_type	varchar(10)
Indexes		
Pk	pk_ers_reimbursement_type_reimb_type_id	reimb_type_id
Foreign Keys		
	fk_ers_reimbursement_type_ers_reimbursemet (reimb_type_id) ref ers_reimbursemet (reimb_type_id)	

Table ers.ers_reimbursemet

* Pk	reimb_id	integer
*	reimb_amount	integer
*	reimb_submitted	timestamp
	reimb_resolved	timestamp
	reimb_description	timestamp
	reimb_receipt	varchar(250)
* Unq	reimb_author	integer
Unq	reimb_resolver	integer
* Unq	reimb_status_id	integer
* Unq	reimb_type_id	integer
Indexes		
Pk	pk_ers_reimbursemet_reimb_id	reimb_id
Unq	unq_ers_reimbursemet_reimb_type_id	reimb_type_id
Unq	unq_ers_reimbursemet_reimb_status_id	reimb_status_id
Unq	unq_ers_reimbursemet_reimb_author	reimb_author
Unq	unq_ers_reimbursemet_reimb_resolver	reimb_resolver

Table ers.ers_user_roles

The ERS User Roles Table will hold the Roles or Position the Employee has in the company. I can be either

* Pk	ers_user_role_id	integer
*	user_role	varchar(20)
Indexes		
Pk	pk_ers_user_roles_ers_user_role_id	ers_user_role_id
Foreign Keys		

Table ers.ers_user_roles

	user_role (ers_user_role_id) ref ers_users (user_role_id)	

Table ers.ers_users

* Pk	ers_users_id	integer	
*	ers_username	varchar(50)	
*	ers_password	varchar(150)	
*	user_first_name	varchar(100)	
*	user_last_name	varchar(100)	
*	user_email	varchar(150)	
* Unq	user_role_id	integer	

Indexes

Pk	pk_ers_users_ers_users_id	ers_users_id	
Unq	unq_ers_users_user_role_id	user_role_id	

Foreign Keys

	ers_users_fk_author (ers_users_id) ref ers_reimbursemet (reimb_author)	
	ers_users_fk_resolver (ers_users_id) ref ers_reimbursemet (reimb_resolver)	