

USERS		
ID	VARCHAR2(32)	User ID
PASSWORD	VARCHAR2(255)	PBKDF2 Hash
SALT	VARCHAR2(255)	Salt
STATUS	VARCHAR2(1)	(A)ctive, (I)nactive
CHANGE_DATE	DATE	
CHANGE_USER	VARCHAR2(32)	
FAILED_LOGIN_ATTEMPTS	NUMBER	# of failed logins
ITER	NUMBER	PBKDF2 iterations
LEN	NUMBER	Hash Length
create_user (ID, password)		
change_user_status (ID, status)		
change_user_password (ID, old_password, new_password)		

ROLES		
ID	VARCHAR2(255)	User ID
PRIVELEGE	VARCHAR2(255)	Privilege Name
GRANTED	VARCHAR2(1)	(Y)es/(N)o

USER_ROLES		
USER_ID	VARCHAR2(32)	User ID
ROLE_ID	VARCHAR2(255)	Role ID
PRIVILEGE	VARCHAR2(255)	Privilege Name
GRANTED	VARCHAR2(1)	(Y)es/(N)o

SETTINGS		
ID	VARCHAR2(255)	Setting ID
VALUE	VARCHAR2(255)	Setting Value

PERSON		
ID	NUMBER	
USER_ID	VARCHAR2(32)	User ID
FULL_NAME	VARCHAR2(255)	Full Name
PREF_NAME	VARCHAR2(255)	Preferred Name
ADMINISTRATOR_ID	NUMBER	Link to administrator
CHANGE_DATE	DATE	
CHANGE_USER	VARCHAR2(32)	
create_person (from_user_id, first_name, middle_name, last_name)		
assign_administrator (administrator_ID, to_person)		
update_avatar_for_person (ID, avatar)		
get_people_administered_by (ID)		

TASK		
ID	NUMBER	
TITLE	VARCHAR2(255)	
DESCRIPTION	VARCHAR2(4000)	
PCT_COMPLETE	NUMBER	% completed
STATUS	VARCHAR2(1)	(I)n-progress, (C)omplete, (H)old, (X)Deleted
OWNER	NUMBER	Link to owning Person
ASSIGNED_TO	NUMBER	Link to assigned
CHANGE_DATE	DATE	
CHANGE_USER	VARCHAR2(32)	
create_task (title, description, owned_by, assigned_to)		
update_task_percentage (ID, percentage)		
update_task_status (ID, status)		
get_tasks (owned_by, assigned_to,, with_status] [, with_completion_low, with_completion_high])		

SESSIONS		
ID	NUMBER	
USER_ID	VARCHAR2(32)	User ID
TOKEN	VARCHAR2(4000)	Token for next request
HMAC_SECRET	VARCHAR2(4000)	Session secret (HMAC)
CLIENT_TOKEN	VARCHAR2(4000)	Expected token (dev only)
EXPIRY	DATE	Date of expiry
authenticate_user (user_ID, candidate, session_id) —> client token		
verify_token (token, auth_user, session_id) —> success		
get_next_token (token) —> client token		

TASK_COMMENTS		
ID	NUMBER	
TASK	NUMBER	Link to owning Task
AUTHOR	NUMBER	Link to person
COMMENTS	VARCHAR2(4000)	
CHANGE_DATE	DATE	
CHANGE_USER	VARCHAR2(32)	
create_task_comment (task_ID, comment)		
get_comments_for_task (task_ID)		