

schema	function_name	return_type	arguments	description
public	activate_user	json	p_user_id integer	Activates a user account
public	add_group_member	json	p_group_id integer, p_user_id integer, p_role text DEFAULT 'member'::text	Adds a user to a group with specified role
public	add_paper_to_session	json	p_session_id integer, p_paper_id integer	Links a paper to a session (fixed schema)
public	add_session_participant	json	p_session_id integer, p_user_id integer	Adds a user to a session
public	can_user_access_group	boolean	p_user_id integer, p_group_id integer	Checks if user can access a group
public	can_user_access_session	boolean	p_user_id integer, p_session_id integer	Checks if user can access a session
public	can_user_invoke_ai	boolean	p_user_id integer, p_session_id integer	Checks if user can invoke AI in a session based on role and permissions
public	can_user_modify_resource	boolean	p_user_id integer, p_resource_type text, p_resource_id integer	Checks if user can modify a resource
public	check_group_creation_permissions	trigger		Trigger function to check group creation permissions
public	cleanup_old_presence	void		Removes old offline presence records

schema	function_name	return_type	arguments	description
public	create_ai_metadata	TABLE(ai_metadata_id integer, session_id integer, message_id integer, model_name character varying, prompt_tokens integer, completion_tokens integer, total_tokens integer, response_time_ms integer, metadata jsonb, created_at timestamp without time zone)	p_session_id integer, p_message_id integer DEFAULT NULL::integer, p_model_name character varying DEFAULT 'gpt-3.5-turbo'::character varying, p_prompt_tokens integer DEFAULT 0, p_completion_tokens integer DEFAULT 0, p_total_tokens integer DEFAULT 0, p_response_time_ms integer DEFAULT 0, p_metadata jsonb DEFAULT '{}'::jsonb	Creates AI processing metadata entry

schema	function_name	return_type	arguments	description
public	create_arxiv_paper	TABLE(paper_id integer, title text, abstract text, authors text, arxiv_id text, categories text[], published_at timestamp without time zone, updated_at_source timestamp without time zone, source_url text, pdf_url text, doi text, journal_ref text, comment text, entry_id text, created_at timestamp without time zone)	p_title text, p_abstract text DEFAULT NULL::text, p_authors text DEFAULT NULL::text, p_arxiv_id text DEFAULT NULL::text, p_categories text[] DEFAULT NULL::text[], p_published_at timestamp without time zone DEFAULT NULL::timestamp without time zone, p_updated_at_source timestamp without time zone DEFAULT NULL::timestamp without time zone, p_source_url text DEFAULT NULL::text, p_pdf_url text DEFAULT NULL::text, p_doi text DEFAULT NULL::text, p_journal_ref text DEFAULT NULL::text, p_comment text DEFAULT NULL::text, p_entry_id text DEFAULT NULL::text	Creates a new arXiv paper entry
			p_user_id integer, p_session_id integer DEFAULT NULL::integer, p_message_id integer DEFAULT NULL::integer, p_feedback_type character varying DEFAULT 'general'::character varying, p_rating integer DEFAULT NULL::integer, p_comment text DEFAULT ''::text, p_metadata jsonb DEFAULT '{}'::jsonb	
public	create_feedback	TABLE(feedback_id integer, user_id integer, session_id integer, message_id integer, feedback_type character varying, rating integer, comment text, metadata jsonb, created_at timestamp without time zone)	p_user_id integer, p_session_id integer DEFAULT NULL::integer, p_message_id integer DEFAULT NULL::integer, p_feedback_type character varying DEFAULT 'general'::character varying, p_rating integer DEFAULT NULL::integer, p_comment text DEFAULT ''::text, p_metadata jsonb DEFAULT '{}'::jsonb	Creates a new feedback entry
			p_user_id integer, p_session_id integer DEFAULT NULL::integer, p_message_id integer DEFAULT NULL::integer, p_feedback_type character varying DEFAULT 'general'::character varying, p_rating integer DEFAULT NULL::integer, p_comment text DEFAULT ''::text, p_metadata jsonb DEFAULT '{}'::jsonb	

schema	function_name	return_type	arguments	description
public	create_group	json	p_name text, p_created_by integer, p_description text DEFAULT '':text, p_is_public boolean DEFAULT false	Creates a new group with invite code
public	create_group_chat_session	TABLE(session_id integer, topic text, status character varying, started_at timestamp without time zone)	p_group_id integer, p_created_by integer, p_topic text DEFAULT 'Group Chat Session':text	Creates simple group chat session
public	create_group_chat_session	TABLE(session_id integer, title text, description text, status character varying, created_at timestamp without time zone)	p_group_id integer, p_created_by integer, p_title text DEFAULT 'Group Chat Session':text, p_description text DEFAULT '':text	Creates group chat session with title and description
public	create_message	TABLE(message_id integer, session_id integer, sender_id integer, sender_name text, content text, sent_at timestamp without time zone)	p_session_id integer, p_sender_user_id integer, p_content text	Creates a new message in a session
public	create_paper	TABLE(paper_id integer, title text, authors text, abstract text, url text, pdf_path text, tags text[], publish_date date, journal text, doi text, created_at timestamp without time zone)	p_title text, p_authors text, p_abstract text DEFAULT '':text, p_url text DEFAULT '':text, p_pdf_path text DEFAULT '':text, p_tags text[] DEFAULT '{}':text[], p_publish_date date DEFAULT NULL::date, p_journal text DEFAULT '':text, p_doi text DEFAULT '':text	Creates a new research paper entry

schema	function_name	return_type	arguments	description
public	create_session	TABLE(id integer, title text, description text, created_by integer, group_id integer, created_at timestamp without time zone, started_at timestamp without time zone, ended_at timestamp without time zone, status text, participant_count bigint)	p_title text, p_user_id integer, p_group_id integer DEFAULT 1	Creates a new session with title and user
public	create_session	TABLE(id integer, title text, description text, created_by integer, group_id integer, created_at timestamp without time zone, started_at timestamp without time zone, ended_at timestamp without time zone, status character varying, participant_count bigint)	p_group_id integer, p_created_by integer, p_topic text DEFAULT NULL::text, p_status character varying DEFAULT 'active'::character varying	Creates a new session with group and creator
public	create_user	TABLE(id integer, name text, email text, is_active boolean)	p_email text, p_first_name text DEFAULT NULL::text, p_last_name text DEFAULT NULL::text	Creates a new user account
public	current_user_id	integer		Gets current user ID from auth context
public	deactivate_user	json	p_user_id integer	Deactivates a user account
public	delete_ai_metadata	boolean	p_ai_metadata_id integer	Permanently deletes AI metadata
public	delete_feedback	boolean	p_feedback_id integer	Permanently deletes feedback
public	delete_message	boolean	p_message_id integer	Permanently deletes a message
public	delete_paper	boolean	p_paper_id integer	Permanently deletes a paper

schema	function_name	return_type	arguments	description
public	delete_session	boolean	p_session_id integer	Permanently deletes a session
public	delete_user	boolean	p_user_id integer	Permanently deletes a user
public	generate_invite_code	text		Generates a random 8-character invite code
public	generate_secure_token	text	p_length integer DEFAULT 32	Generates a secure random token
public	get_ai_metadata_by_id	TABLE(ai_metadata_id integer, session_id integer, session_title text, message_id integer, model_name character varying, prompt_tokens integer, completion_tokens integer, total_tokens integer, response_time_ms integer, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_ai_metadata_id integer	Retrieves AI metadata details by ID
public	get_ai_model_performance_stats	TABLE(model_name character varying, total_requests bigint, avg_prompt_tokens numeric, avg_completion_tokens numeric, avg_total_tokens numeric, avg_response_time_ms numeric, min_response_time_ms integer, max_response_time_ms integer, total_cost_estimate numeric)	p_model_name character varying DEFAULT NULL::character varying	Returns performance statistics by AI model

schema	function_name	return_type	arguments	description
public	get_ai_usage_stats	TABLE(total_requests bigint, total_prompt_tokens bigint, total_completion_tokens bigint, total_tokens bigint, avg_response_time_ms numeric, most_used_model text, unique_sessions bigint, requests_today bigint, requests_this_week bigint, requests_this_month bigint)		Returns overall AI usage statistics
public	get_ai_usage_trends	TABLE(date date, total_requests bigint, total_tokens bigint, avg_response_time_ms numeric, unique_sessions bigint, cost_estimate numeric)	p_days integer DEFAULT 30	Returns AI usage trends over specified days
public	get_all_ai_metadata	TABLE(ai_metadata_id integer, session_id integer, session_title text, message_id integer, model_name character varying, prompt_tokens integer, completion_tokens integer, total_tokens integer, response_time_ms integer, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_limit integer DEFAULT 100, p_offset integer DEFAULT 0	Returns all AI metadata with pagination
public	get_all_feedback	TABLE(feedback_id integer, user_id integer, user_name text, session_id integer, session_title text, message_id integer, feedback_type character varying, rating integer, comment text, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_feedback_type character varying DEFAULT NULL::character varying, p_limit integer DEFAULT 50, p_offset integer DEFAULT 0	Returns all feedback with optional type filtering

schema	function_name	return_type	arguments	description
public	get_all_groups	TABLE(id integer, name text, description text, member_count bigint, created_at timestamp without time zone)		Returns all groups with member counts
public	get_all_messages	TABLE(id integer, session_id integer, sender_id integer, content text, message_type character varying, sent_at timestamp without time zone)	p_limit integer DEFAULT 100, p_offset integer DEFAULT 0	Returns all messages with pagination
public	get_all_papers	TABLE(paper_id integer, title text, authors text, abstract text, url text, pdf_path text, tags text[], publish_date date, journal text, doi text, created_at timestamp without time zone, updated_at timestamp without time zone)	p_limit integer DEFAULT 100, p_offset integer DEFAULT 0	Returns all papers with pagination
public	get_all_papers_with_arxiv	TABLE(paper_id integer, title text, abstract text, authors text, arxiv_id text, categories text[], published_at timestamp without time zone, updated_at_source timestamp without time zone, source_url text, pdf_url text, doi text, journal_ref text, comment text, entry_id text, created_at timestamp without time zone, updated_at timestamp without time zone)	p_limit integer DEFAULT 100, p_offset integer DEFAULT 0	Returns all arXiv papers with pagination



schema	function_name	return_type	arguments	description
public	get_all_sessions	TABLE(id integer, title text, description text, created_by integer, group_id integer, created_at timestamp without time zone, started_at timestamp without time zone, ended_at timestamp without time zone, status character varying, participant_count bigint)	p_user_id integer DEFAULT NULL::integer, p_is_active boolean DEFAULT NULL::boolean	Returns all sessions with optional filtering
public	get_all_users	TABLE(id integer, auth_id uuid, name text, email text, is_active boolean)		Returns all users with basic info
public	get_current_user_auth	TABLE(user_id integer, email text, first_name text, last_name text, is_active boolean, created_at timestamp without time zone, auth_id uuid)		Returns current authenticated user information
public	get_feedback_by_id	TABLE(feedback_id integer, user_id integer, user_name text, session_id integer, session_title text, message_id integer, feedback_type character varying, rating integer, comment text, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_feedback_id integer	Retrieves feedback details by ID
public	get_feedback_stats	TABLE(total_feedback bigint, avg_rating numeric, rating_distribution jsonb, feedback_type_distribution jsonb, recent_feedback_count bigint)		Returns overall feedback statistics
public	get_feedback_trends	TABLE(date date, total_feedback bigint, avg_rating numeric, positive_feedback bigint, negative_feedback bigint)	p_days integer DEFAULT 30	Returns feedback trends over specified number of days

schema	function_name	return_type	arguments	description
public	get_group_by_id	TABLE(id integer, name text, description text, member_count bigint, created_at timestamp without time zone)	p_group_id integer	Retrieves group details by ID
public	get_group_by_invite_code	TABLE(group_id integer, name text, description text, invite_code character varying, is_public boolean, created_by integer, created_at timestamp without time zone, updated_at timestamp without time zone, member_count bigint, creator_name text)	p_invite_code character varying	Get group information by invite code for joining preview
public	get_group_by_name	TABLE(id integer, name text)	p_name text	Retrieves group by name
public	get_group_chat_messages	TABLE(message_id integer, session_id integer, sender_id integer, sender_name text, sender_user_id integer, content text, message_type character varying, metadata jsonb, sent_at timestamp without time zone, edited_at timestamp without time zone, reply_to integer)	p_session_id integer, p_limit integer DEFAULT 50, p_offset integer DEFAULT 0	Returns messages from a group chat with pagination
public	get_group_chat_sessions	TABLE(session_id integer, title text, description text, status character varying, created_by integer, creator_name text, participant_count bigint, last_message_at timestamp without time zone, last_message_content text, created_at timestamp without time zone)	p_group_id integer	Returns all group chat sessions for a group
public	get_group_members	TABLE(group_id integer, member_ids integer[], member_count bigint)	p_group_id integer	Returns group member IDs and count

schema	function_name	return_type	arguments	description
public	get_group_members_detailed	TABLE(user_id integer, name text, email text, role character varying, joined_at timestamp without time zone, is_active boolean, first_name text, last_name text)	p_group_id integer	Returns detailed group member information
public	get_message_by_id	TABLE(message_id integer, session_id integer, sender_id integer, sender_name text, content text, sent_at timestamp without time zone)	p_message_id integer	Retrieves message details by ID
public	get_paper_by_arxiv_id	TABLE(paper_id integer, title text, abstract text, authors text, arxiv_id text, categories text[], published_at timestamp without time zone, updated_at_source timestamp without time zone, source_url text, pdf_url text, doi text, journal_ref text, comment text, entry_id text, created_at timestamp without time zone, updated_at timestamp without time zone)	p_arxiv_id text	Retrieves arXiv paper by arXiv ID
public	get_paper_by_id	TABLE(paper_id integer, title text, authors text, abstract text, url text, pdf_path text, tags text[], publish_date date, journal text, doi text, created_at timestamp without time zone, updated_at timestamp without time zone)	p_paper_id integer	Retrieves paper details by ID
public	get_papers_stats	TABLE(total_papers bigint, total_sessions_with_papers bigint, avg_papers_per_session numeric, most_common_tag text, total_unique_tags bigint)		Returns statistics about papers and their usage

schema	function_name	return_type	arguments	description
public	get_popular_papers	TABLE(paper_id integer, title text, authors text, abstract text, url text, pdf_path text, tags text[], publish_date date, journal text, doi text, session_count bigint, created_at timestamp without time zone)	p_limit integer DEFAULT 20	Returns papers ordered by session usage count
public	get_rating_stats_by_type	TABLE(feedback_type character varying, total_ratings bigint, avg_rating numeric, min_rating integer, max_rating integer, rating_1 bigint, rating_2 bigint, rating_3 bigint, rating_4 bigint, rating_5 bigint)	p_feedback_type character varying DEFAULT NULL::character varying	Returns rating statistics grouped by feedback type
public	get_recent_papers	TABLE(paper_id integer, title text, authors text, abstract text, url text, pdf_path text, tags text[], publish_date date, journal text, doi text, created_at timestamp without time zone)	p_limit integer DEFAULT 20	Returns recently added papers
public	get_session_ai_metadata	TABLE(ai_metadata_id integer, session_id integer, message_id integer, model_name character varying, prompt_tokens integer, completion_tokens integer, total_tokens integer, response_time_ms integer, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_session_id integer, p_limit integer DEFAULT 50, p_offset integer DEFAULT 0	Returns AI metadata for a specific session

schema	function_name	return_type	arguments	description
public	get_session_ai_performance	TABLE(session_id integer, session_title text, total_ai_requests bigint, total_tokens bigint, avg_response_time_ms numeric, models_used jsonb, total_cost_estimate numeric, first_ai_request timestamp without time zone, last_ai_request timestamp without time zone)	p_session_id integer	Returns AI performance summary for a session
public	get_session_by_id	TABLE(id integer, title text, description text, created_by integer, group_id integer, created_at timestamp without time zone, started_at timestamp without time zone, ended_at timestamp without time zone, status character varying, participant_count bigint)	p_session_id integer	Retrieves session details by ID
public	get_session_by_title	TABLE(id integer, title text)	p_title text	Retrieves session by title
public	get_session_feedback	TABLE(feedback_id integer, user_id integer, user_name text, session_id integer, message_id integer, feedback_type character varying, rating integer, comment text, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_session_id integer, p_limit integer DEFAULT 50, p_offset integer DEFAULT 0	Returns all feedback for a specific session
public	get_session_feedback_summary	TABLE(session_id integer, session_title text, total_feedback bigint, avg_rating numeric, positive_feedback bigint, negative_feedback bigint, feedback_types jsonb, recent_feedback jsonb)	p_session_id integer	Returns comprehensive feedback summary for a session

schema	function_name	return_type	arguments	description
public	get_session_messages	TABLE(message_id integer, session_id integer, sender_id integer, sender_name text, content text, sent_at timestamp without time zone)	p_session_id integer	Returns all messages in a session
public	get_session_online_users	TABLE(user_id integer, username text, status character varying, last_seen timestamp without time zone)	p_session_id integer	Returns online users in a specific session
public	get_session_papers	TABLE(paper_id integer, title text, abstract text, authors text, doi text, added_at timestamp without time zone)	p_session_id integer	Retrieves papers associated with a session (fixed schema)
public	get_session_participants	TABLE(session_id integer, participant_ids integer[], participant_count bigint)	p_session_id integer	Returns session participant IDs and count
public	get_session_summary	TABLE(session_id integer, title text, message_count bigint, duration text, is_active boolean)	p_session_id integer	Returns session summary with statistics
public	get_top_ai_usage_sessions	TABLE(session_id integer, session_title text, total_ai_requests bigint, total_tokens bigint, avg_response_time_ms numeric, total_cost_estimate numeric, created_by integer, creator_name text, session_created_at timestamp without time zone)	p_limit integer DEFAULT 10	Returns sessions with highest AI usage
public	get_user_by_auth_id	SETOF users	auth_id uuid	Retrieves user by auth UUID
public	get_user_by_id	TABLE(id integer, name text, email text, is_active boolean, first_name text, last_name text, created_at timestamp without time zone)	p_user_id integer	Retrieves user details by ID

schema	function_name	return_type	arguments	description
public	get_user_feedback	TABLE(id integer, session_id integer, given_by integer, content text, rating integer, created_at timestamp without time zone)	p_user_id integer	Returns all feedback given by a user
public	get_user_feedback	TABLE(feedback_id integer, user_id integer, session_id integer, session_title text, message_id integer, feedback_type character varying, rating integer, comment text, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_user_id integer, p_limit integer DEFAULT 50, p_offset integer DEFAULT 0	Returns all feedback from a specific user
public	get_user_group_count	integer	p_user_id integer	Returns count of groups user belongs to
public	get_user_groups	TABLE(id integer, group_id integer, name text, description text, is_public boolean, invite_code character varying, member_count bigint, user_role character varying, created_at timestamp without time zone, created_by integer)	p_user_id integer	Returns all groups a user belongs to
public	get_user_permissions	TABLE(user_id integer, can_create_groups boolean, can_invite_users boolean, can_moderate boolean, is_admin boolean, max_sessions integer, max_groups integer)	p_user_id integer	Returns user permissions and limits
public	get_user_session_count	integer	p_user_id integer	Returns count of sessions user has access to

schema	function_name	return_type	arguments	description
public	handle_new_user	trigger		Trigger function to create user profile on auth.users insert
public	handle_user_delete	trigger		Trigger function to handle user deletion (soft delete)
public	hash_password	text	p_password text	Hashes a password using bcrypt
public	join_group_by_invite_code	json	p_invite_code text, p_user_id integer	Allows user to join group using invite code
public	join_group_chat_session	boolean	p_session_id integer, p_user_id integer	Allows user to join a group chat session
public	log_auth_event	boolean	p_user_id integer, p_event_type text, p_metadata jsonb DEFAULT '{}'::jsonb	Logs authentication events
public	remove_group_member	boolean	p_group_id integer, p_user_id integer	Removes a user from a group
public	remove_paper_from_session	boolean	p_session_id integer, p_paper_id integer	Removes paper from session
public	remove_session_participant	boolean	p_session_id integer, p_user_id integer	Removes a user from a session
public	search_messages	TABLE(id integer, session_id integer, sender_id integer, content text, message_type character varying, sent_at timestamp without time zone)	p_query_text text, p_session_id integer DEFAULT NULL::integer, p_limit integer DEFAULT 50	Searches messages by content



schema	function_name	return_type	arguments	description
public	search_papers	TABLE(paper_id integer, title text, authors text, abstract text, url text, pdf_path text, tags text[], publish_date date, journal text, doi text, created_at timestamp without time zone, updated_at timestamp without time zone, relevance_score numeric)	p_query text, p_limit integer DEFAULT 50, p_offset integer DEFAULT 0	Searches papers by query with relevance scoring
public	search_papers_by_tags	TABLE(paper_id integer, title text, authors text, abstract text, url text, pdf_path text, tags text[], publish_date date, journal text, doi text, created_at timestamp without time zone, updated_at timestamp without time zone)	p_tags text[], p_match_all boolean DEFAULT false, p_limit integer DEFAULT 50, p_offset integer DEFAULT 0	Searches papers by tags (any or all match)
public	search_papers_with_arxiv	TABLE(paper_id integer, title text, abstract text, authors text, arxiv_id text, categories text[], published_at timestamp without time zone, updated_at_source timestamp without time zone, source_url text, pdf_url text, doi text, journal_ref text, comment text, entry_id text, created_at timestamp without time zone, relevance_score numeric)	p_query_text text, p_categories text[] DEFAULT NULL::text[], p_limit_count integer DEFAULT 20	Searches arXiv papers by query and categories
public	send_group_chat_message	TABLE(message_id integer, session_id integer, sender_id integer, sender_name text, content text, message_type character varying, metadata jsonb, sent_at timestamp without time zone)	p_session_id integer, p_user_id integer, p_content text, p_message_type character varying DEFAULT 'user'::character varying, p_metadata jsonb DEFAULT '{}'	Alternative fix: Uses CTEs, table aliases, and explicit typing to avoid ambiguity

schema	function_name	return_type	arguments	description
public	set_group_invite_code	trigger		Trigger function to generate unique group invite codes
public	sync_user_profile	trigger		Trigger function to sync user profile on auth.users update
public	update_ai_metadata	TABLE(ai_metadata_id integer, session_id integer, message_id integer, model_name character varying, prompt_tokens integer, completion_tokens integer, total_tokens integer, response_time_ms integer, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_ai_metadata_id integer, p_model_name character varying DEFAULT NULL::character varying, p_prompt_tokens integer DEFAULT NULL::integer, p_completion_tokens integer DEFAULT NULL::integer, p_total_tokens integer DEFAULT NULL::integer, p_response_time_ms integer DEFAULT NULL::integer, p_metadata jsonb DEFAULT NULL::jsonb	Updates AI metadata information
public	update_feedback	TABLE(feedback_id integer, user_id integer, session_id integer, message_id integer, feedback_type character varying, rating integer, comment text, metadata jsonb, created_at timestamp without time zone, updated_at timestamp without time zone)	p_feedback_id integer, p_rating integer DEFAULT NULL::integer, p_comment text DEFAULT NULL::text, p_metadata jsonb DEFAULT NULL::jsonb	Updates feedback information

schema	function_name	return_type	arguments	description
public	update_message	TABLE(id integer, session_id integer, sender_id integer, content text, message_type character varying, sent_at timestamp without time zone, edited_at timestamp without time zone)	p_message_id integer, p_content text	Updates message content
public	update_paper	TABLE(paper_id integer, title text, authors text, abstract text, url text, pdf_path text, tags text[], publish_date date, journal text, doi text, created_at timestamp without time zone, updated_at timestamp without time zone)	p_paper_id integer, p_title text DEFAULT NULL::text, p_authors text DEFAULT NULL::text, p_abstract text DEFAULT NULL::text, p_url text DEFAULT NULL::text, p_pdf_path text DEFAULT NULL::text, p_tags text[] DEFAULT NULL::text[], p_publish_date date DEFAULT NULL::date, p_journal text DEFAULT NULL::text, p_doi text DEFAULT NULL::text	Updates paper information
public	update_papers_updated_at	trigger		null
public	update_session	TABLE(id integer, title text, description text, created_by integer, group_id integer, created_at timestamp without time zone, started_at timestamp without time zone, ended_at timestamp without time zone, status text, participant_count bigint)	p_session_id integer, p_title text DEFAULT NULL::text, p_status text DEFAULT NULL::text	Updates session title and/or status
public	update_updated_at_column	trigger		Trigger function to update updated_at timestamp

schema	function_name	return_type	arguments	description
public	update_user	TABLE(id integer, name text, email text, is_active boolean)	p_user_id integer, p_email text DEFAULT NULL::text, p_first_name text DEFAULT NULL::text, p_last_name text DEFAULT NULL::text, p_is_active boolean DEFAULT NULL::boolean	Updates user information
public	update_user_last_seen	trigger		Trigger function to update last_seen timestamp
public	update_user_presence	boolean	p_user_id integer, p_session_id integer, p_status character varying DEFAULT 'online'::character varying	Updates user presence status in a session
public	verify_password	boolean	p_password text, p_hash text	Verifies a password against its hash
public	verify_user_auth	boolean	p_user_id integer	Verifies if user ID matches authenticated user