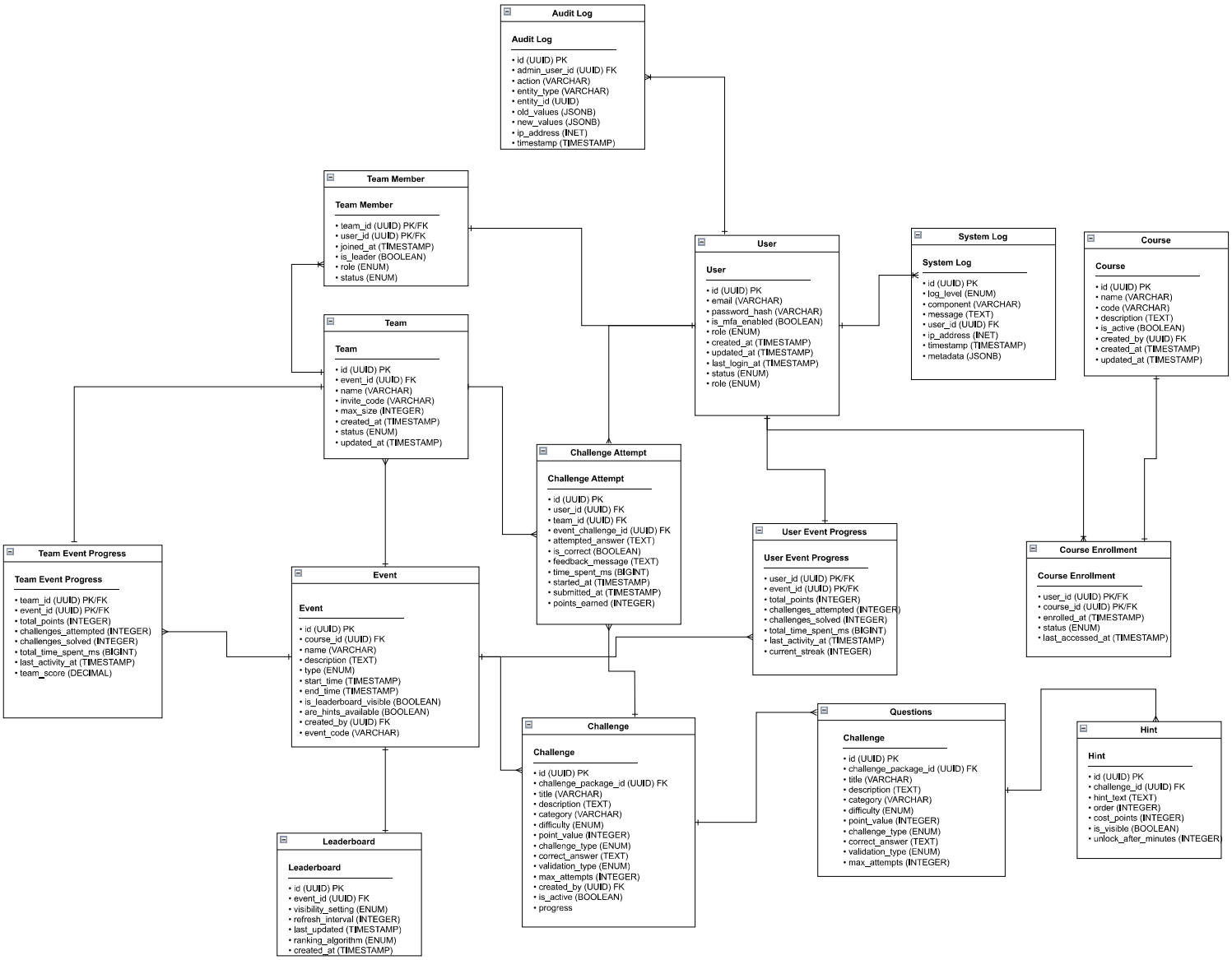
Audit Log
Audit Log
• id (UUID) PK
• admin_user_id (UUID) FK
• action (VARCHAR)
• entity_type (VARCHAR)
• entity_id (UUID)
• old_values (JSONB)
• new_values (JSONB)
• ip_address (INET)
• timestamp (TIMESTAMP)
Team Member
Team Member
• team_id (UUID) PK/FK
• user_id (UUID) PK/FK
• joined_at (TIMESTAMP)
• is_leader (BOOLEAN)
• role (ENUM)
• status (ENUM)
User
User
• id (UUID) PK
• email (VARCHAR)
• password_hash (VARCHAR)
• is_mfa_enabled (BOOLEAN)
• role (ENUM)
• created_at (TIMESTAMP)
• updated_at (TIMESTAMP)
• last_login_at (TIMESTAMP)
• status (ENUM)
• role (ENUM)
System Log
System Log
• id (UUID) PK
• log_level (ENUM)
• component (VARCHAR)
• message (TEXT)
• user_id (UUID) FK
• ip_address (INET)
• timestamp (TIMESTAMP)
• metadata (JSONB)
Course
Course
• id (UUID) PK
• name (VARCHAR)
• code (VARCHAR)
• description (TEXT)
• is_active (BOOLEAN)
• created_by (UUID) FK
• created_at (TIMESTAMP)
• updated_at (TIMESTAMP)
Team
Team
• id (UUID) PK
• event_id (UUID) FK
• name (VARCHAR)
• invite_code (VARCHAR)
• max_size (INTEGER)
• created_at (TIMESTAMP)
• status (ENUM)
• updated_at (TIMESTAMP)
Challenge Attempt
Challenge Attempt
• id (UUID) PK
• user_id (UUID) FK
• team_id (UUID) FK
• event_challenge_id (UUID) FK
• attempted_answer (TEXT)
• is_correct (BOOLEAN)
• feedback_message (TEXT)
• time_spent_ms (BIGINT)
• started_at (TIMESTAMP)
• submitted_at (TIMESTAMP)
• points_earned (INTEGER)
User Event Progress
User Event Progress
• user_id (UUID) PK/FK
• event_id (UUID) PK/FK
• total_points (INTEGER)
• challenges_attempted (INTEGER)
• challenges_solved (INTEGER)
• total_time_spent_ms (BIGINT)
• last_activity_at (TIMESTAMP)
• current_streak (INTEGER)
Course Enrollment
Course Enrollment
• user_id (UUID) PK/FK
• course_id (UUID) PK/FK
• enrolled_at (TIMESTAMP)
• status (ENUM)
• last_accessed_at (TIMESTAMP)
Team Event Progress
Team Event Progress
• team_id (UUID) PK/FK
• event_id (UUID) PK/FK
• total_points (INTEGER)
• challenges_attempted (INTEGER)
• challenges_solved (INTEGER)
• total_time_spent_ms (BIGINT)
• last_activity_at (TIMESTAMP)
• team_score (DECIMAL)
Event
Event
• id (UUID) PK
• course_id (UUID) FK
• name (VARCHAR)
• description (TEXT)
• type (ENUM)
• start_time (TIMESTAMP)
• end_time (TIMESTAMP)
• is_leaderboard_visible (BOOLEAN)
• are_hints_available (BOOLEAN)
• created_by (UUID) FK
• event_code (VARCHAR)
Challenge
Challenge
• id (UUID) PK
• challenge_package_id (UUID) FK
• title (VARCHAR)
• description (TEXT)
• category (VARCHAR)
• difficulty (ENUM)
• point_value (INTEGER)
• challenge_type (ENUM)
• correct_answer (TEXT)
• validation_type (ENUM)
• max_attempts (INTEGER)
• created_by (UUID) FK
• is_active (BOOLEAN)
• progress
Questions
Challenge
• id (UUID) PK
• challenge_package_id (UUID) FK
• title (VARCHAR)
• description (TEXT)
• category (VARCHAR)
• difficulty (ENUM)
• point_value (INTEGER)
• challenge_type (ENUM)
• correct_answer (TEXT)
• validation_type (ENUM)
• max_attempts (INTEGER)
Hint
Hint
• id (UUID) PK
• challenge_id (UUID) FK
• hint_text (TEXT)
• order (INTEGER)
• cost_points (INTEGER)
• is_visible (BOOLEAN)
• unlock_after_minutes (INTEGER)
Leaderboard
Leaderboard
• id (UUID) PK
• event_id (UUID) FK
• visibility_setting (ENUM)
• refresh_interval (INTEGER)
• last_updated (TIMESTAMP)
• ranking_algorithm (ENUM)
• created_at (TIMESTAMP)