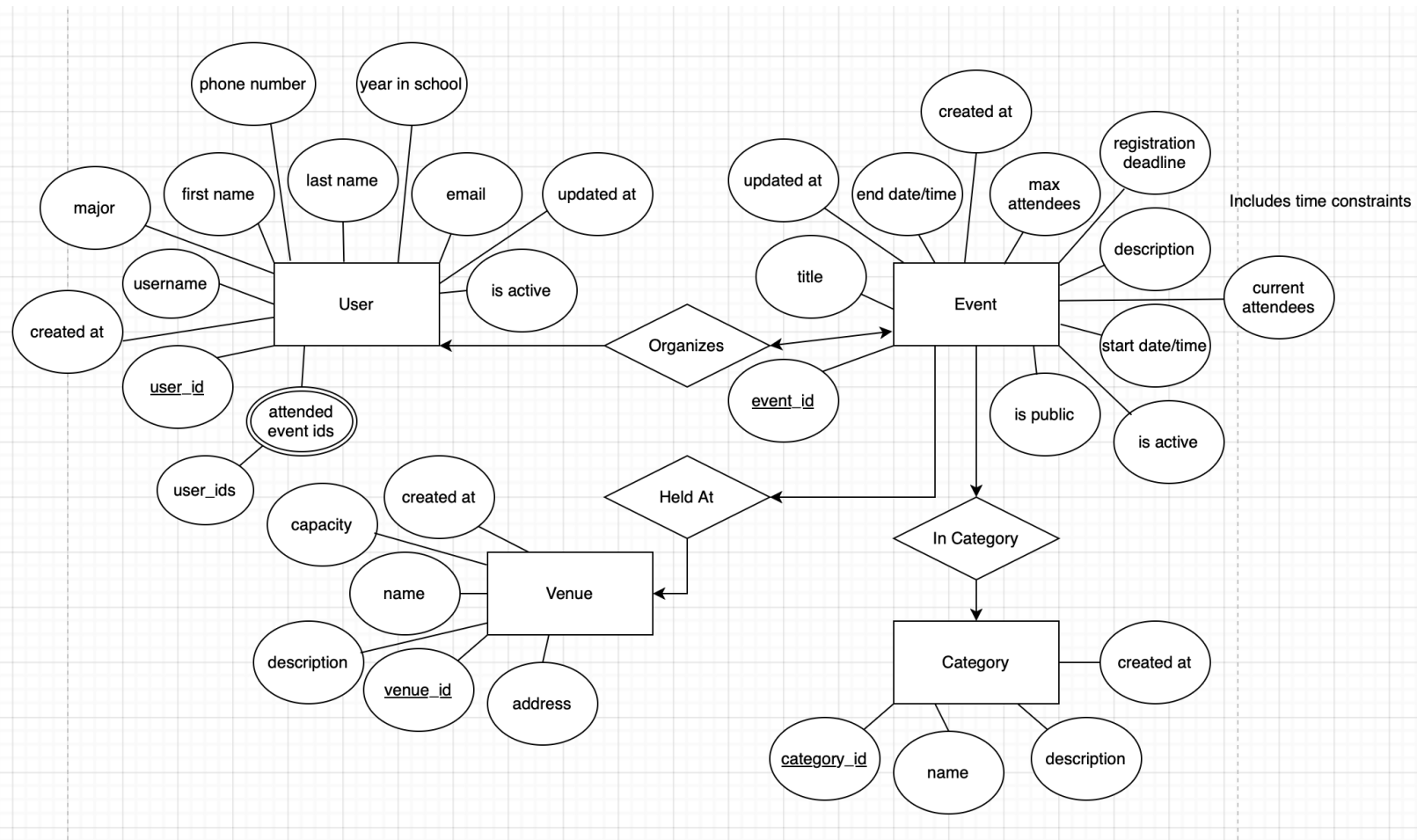


ER Diagram



Relational Schema

VENUE			
INT	venue_id	PK	
VARCHAR	name		not null
TEXT	address		
INT	capacity		
TEXT	description		
TIMESTAMP	created_at		

CATEGORY			
INT	category_id	PK	
VARCHAR	name		unique, not null
TEXT	description		
TIMESTAMP	created_at		

USER_ACCOUNT			
INT	user_id	PK	
VARCHAR	username		unique, not null
VARCHAR	email		unique, not null
VARCHAR	first_name		not null
VARCHAR	last_name		not null
VARCHAR	password_hash		not null
VARCHAR	phone		
VARCHAR	year_in_school		enum: Freshman Sophomore Junior Senior Graduate Faculty Staff
VARCHAR	major		
INT[]	attended_event_ids		
BOOLEAN	is_active		default TRUE
TIMESTAMP	created_at		
TIMESTAMP	updated_at		

hosts (ON DELETE CASCADE)

categorizes (ON DELETE CASCADE)

organizes (ON DELETE CASCADE)

EVENT			
INT	event_id	PK	
VARCHAR	title		not null
TEXT	description		
TIMESTAMP	event_datetime		not null
TIMESTAMP	end_datetime		
INT	venue_id	FK	
INT	category_id	FK	
INT	organizer_id	FK	
INT	max_attendees		
INT	current_attendees		default 0
TIMESTAMP	registration_deadline		
BOOLEAN	is_public		default TRUE
BOOLEAN	is_active		default TRUE
TIMESTAMP	created_at		
TIMESTAMP	updated_at		