



UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN
Facultad de Ciencias Físico Matemáticas
Licenciatura en Multimedia y Animación Digital



Bases de datos multimedia

Proyecto integrador de aprendizaje
Segunda entrega
Modelo relacional y diagrama SQL

Grupo: 004

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San Nicolás de los Garza, Nuevo León a 28 de marzo de 2023

Modelo relacional

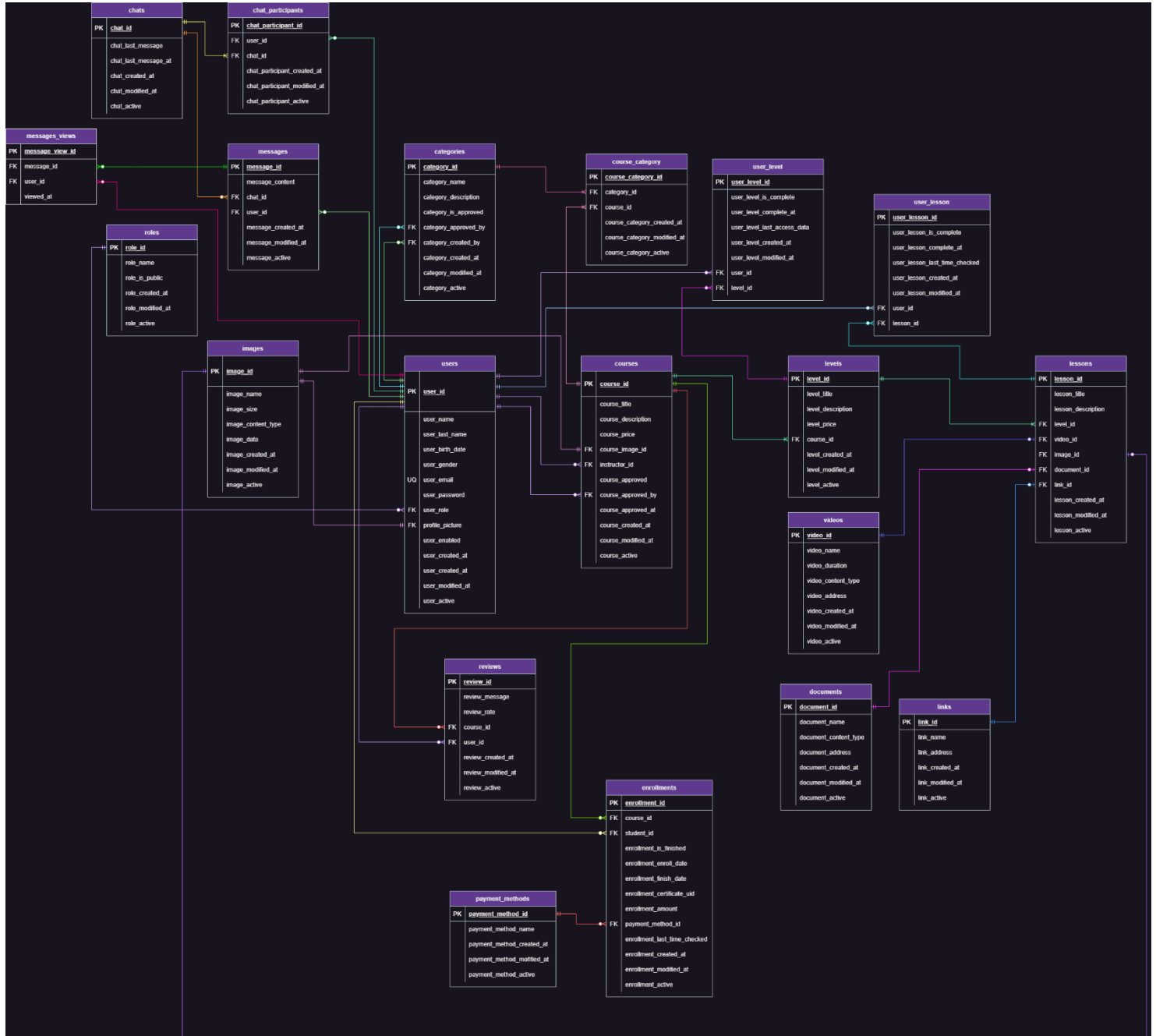
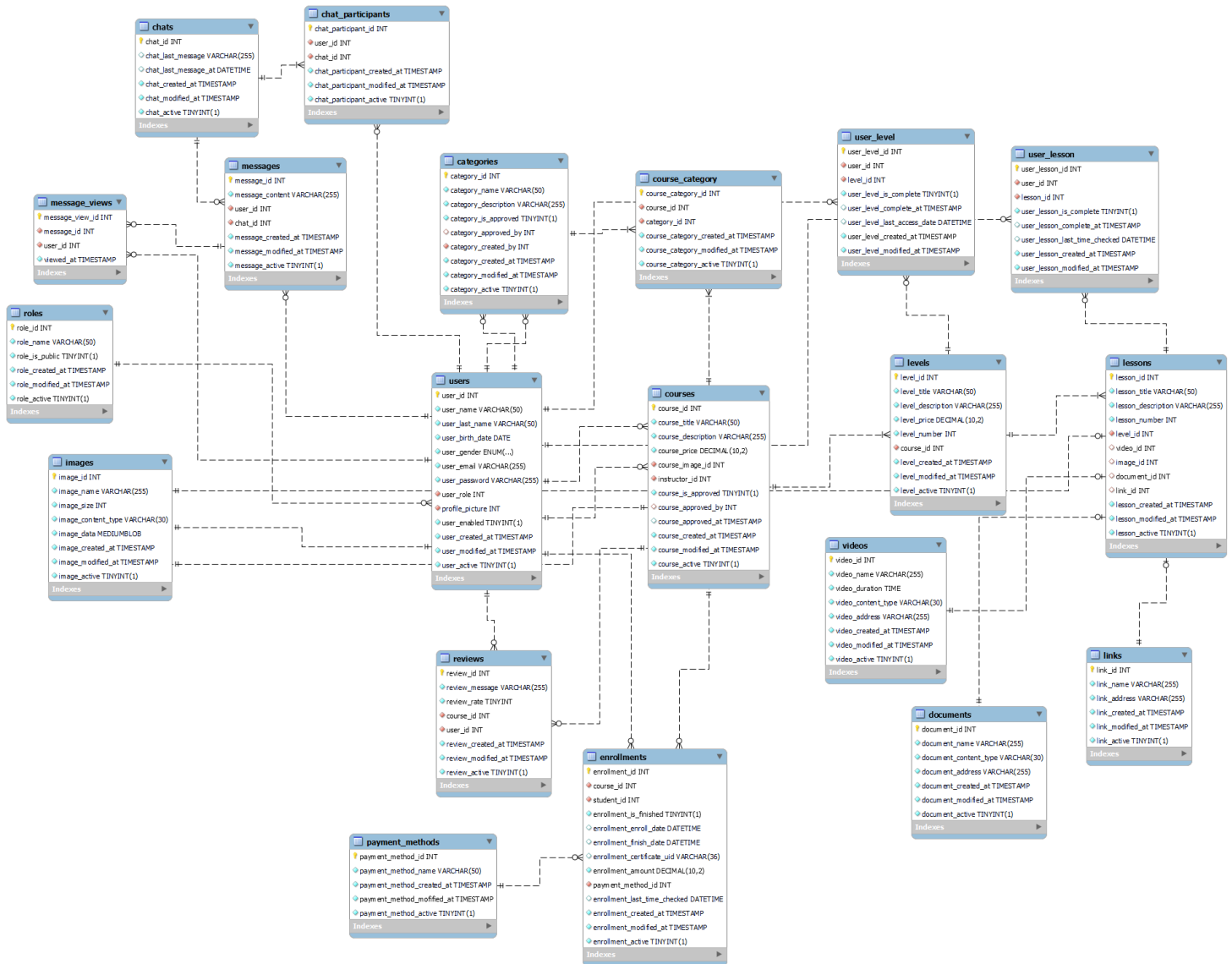


Diagrama SQL



Diseño de la base de datos

categories

Column	Type	PK	Nullable	Default
category_id	int	YES	NO	
category_name	varchar(50)		NO	
category_description	varchar(255)		NO	
category_is_approved	tinyint(1)		NO	0
category_approved_by	int		YES	
category_created_by	int		NO	
category_created_at	timestamp		NO	CURRENT_TIMESTAMP
category_modified_at	timestamp		NO	CURRENT_TIMESTAMP
category_active	tinyint(1)		NO	1

chat_participants

Column	Type	PK	Nullable	Default
chat_participant_id	int	YES	NO	
user_id	int		NO	
chat_id	int		NO	
chat_participant_created_at	timestamp		NO	CURRENT_TIMESTAMP
chat_participant_modified_at	timestamp		NO	CURRENT_TIMESTAMP
chat_participant_active	tinyint(1)		NO	1

chats

Column	Type	PK	Nullable	Default
chat_id	int	YES	NO	
chat_last_message	varchar(255)		YES	
chat_last_message_at	datetime		YES	
chat_created_at	timestamp		NO	CURRENT_TIMESTAMP
chat_modified_at	timestamp		NO	CURRENT_TIMESTAMP
chat_active	tinyint(1)		NO	1

course_category

Column	Type	PK	Nullable	Default
course_category_id	int	YES	NO	
course_id	int		NO	
category_id	int		NO	
course_category_created_at	timestamp		NO	CURRENT_TIMESTAMP
course_category_modified_at	timestamp		NO	CURRENT_TIMESTAMP
course_category_active	tinyint(1)		NO	1

courses

Column	Type	PK	Nullable	Default
course_id	int	YES	NO	
course_title	varchar(50)		NO	
course_description	varchar(255)		NO	
course_price	decimal(10,2)		NO	
course_image_id	int		NO	
instructor_id	int		NO	
course_approved	tinyint(1)		NO	0
course_approved_by	int		YES	
course_approved_at	timestamp		YES	
course_created_at	timestamp		NO	CURRENT_TIMESTAMP
course_modified_at	timestamp		NO	CURRENT_TIMESTAMP
course_active	tinyint(1)		NO	1

documents

Column	Type	PK	Nullable	Default
document_id	int	YES	NO	
document_name	varchar(255)		NO	
document_content_type	varchar(30)		NO	
document_address	varchar(255)		NO	
document_created_at	timestamp		NO	CURRENT_TIMESTAMP
document_modified_at	timestamp		NO	CURRENT_TIMESTAMP
document_active	tinyint(1)		NO	1

enrollments

Column	Type	PK	Nullable	Default
enrollment_id	int	YES	NO	
course_id	int		NO	
student_id	int		NO	
enrollment_is_finished	tinyint(1)		NO	0
enrollment_enroll_date	datetime		YES	
enrollment_finish_date	datetime		YES	
enrollment_certificate_uid	varchar(36)		YES	
enrollment_amount	decimal(10,2)		NO	
payment_method_id	int		NO	
enrollment_last_time_checked	datetime		YES	
enrollment_created_at	timestamp		NO	CURRENT_TIMESTAMP
enrollment_modified_at	timestamp		NO	CURRENT_TIMESTAMP
enrollment_active	tinyint(1)		NO	1

images

Column	Type	PK	Nullable	Default
image_id	int	YES	NO	
image_name	varchar(255)		NO	
image_size	int		NO	
image_content_type	varchar(30)		NO	
image_data	mediumblob		NO	
image_created_at	timestamp		NO	CURRENT_TIMESTAMP
image_modified_at	timestamp		NO	CURRENT_TIMESTAMP
image_active	tinyint(1)		NO	1

lessons

Column	Type	PK	Nullable	Default
lesson_id	int	YES	NO	
lesson_title	varchar(50)		NO	
lesson_description	varchar(255)		NO	
lesson_number	int		NO	
level_id	int		NO	
video_id	int		YES	
image_id	int		YES	
document_id	int		YES	
link_id	int		YES	
lesson_created_at	timestamp		NO	CURRENT_TIMESTAMP
lesson_modified_at	timestamp		NO	CURRENT_TIMESTAMP
lesson_active	tinyint(1)		NO	1

levels

Column	Type	PK	Nullable	Default
level_id	int	YES	NO	
level_title	varchar(50)		NO	
level_description	varchar(255)		NO	
level_price	decimal(10,2)		NO	
level_number	int		NO	
course_id	int		NO	
level_created_at	timestamp		NO	CURRENT_TIMESTAMP
level_modified_at	timestamp		NO	CURRENT_TIMESTAMP
level_active	tinyint(1)		NO	1

links

Column	Type	PK	Nullable	Default
link_id	int	YES	NO	
link_name	varchar(255)		NO	
link_address	varchar(255)		NO	
link_created_at	timestamp		NO	CURRENT_TIMESTAMP
link_modified_at	timestamp		NO	CURRENT_TIMESTAMP
link_active	tinyint(1)		NO	1

message_views

Column	Type	PK	Nullable	Default
message_view_id	int	YES	NO	
message_id	int		NO	
user_id	int		NO	
viewed_at	timestamp		NO	CURRENT_TIMESTAMP

messages

Column	Type	PK	Nullable	Default
message_id	int	YES	NO	
message_content	varchar(255)		NO	
user_id	int		NO	
chat_id	int		NO	
message_created_at	timestamp		NO	CURRENT_TIMESTAMP
message_modified_at	timestamp		NO	CURRENT_TIMESTAMP
message_active	tinyint(1)		NO	1

payment_methods

Column	Type	PK	Nullable	Default
payment_method_id	int	YES	NO	
payment_method_name	varchar(50)		NO	
payment_method_created_at	timestamp		NO	CURRENT_TIMESTAMP
payment_method_modified_at	timestamp		NO	CURRENT_TIMESTAMP
payment_method_active	tinyint(1)		NO	1

reviews

Column	Type	PK	Nullable	Default
review_id	int	YES	NO	
review_message	varchar(255)		NO	
review_rate	tinyint		NO	
course_id	int		NO	
user_id	int		NO	
review_created_at	timestamp		NO	CURRENT_TIMESTAMP
review_modified_at	timestamp		NO	CURRENT_TIMESTAMP
review_active	tinyint(1)		NO	1

roles

Column	Type	PK	Nullable	Default
role_id	int	YES	NO	
role_name	varchar(50)		NO	
role_is_public	tinyint(1)		NO	1
role_created_at	timestamp		NO	CURRENT_TIMESTAMP
role_modified_at	timestamp		NO	CURRENT_TIMESTAMP
role_active	tinyint(1)		NO	1

user_lesson

Column	Type	PK	Nullable	Default
user_lesson_id	int	YES	NO	
user_id	int		NO	
lesson_id	int		NO	
user_lesson_is_complete	tinyint(1)		NO	0
user_lesson_complete_at	timestamp		YES	
user_lesson_last_time_checked	datetime		YES	
user_lesson_created_at	timestamp		NO	CURRENT_TIMESTAMP
user_lesson_modified_at	timestamp		NO	CURRENT_TIMESTAMP

user_level

Column	Type	PK	Nullable	Default
user_level_id	int	YES	NO	
user_id	int		NO	
level_id	int		NO	
user_level_is_complete	tinyint(1)		NO	0
user_level_complete_at	timestamp		YES	
user_level_last_access_date	datetime		YES	
user_level_created_at	timestamp		NO	CURRENT_TIMESTAMP
user_level_modified_at	timestamp		NO	CURRENT_TIMESTAMP

users

Column	Type	PK	Nullable	Default
user_id	int	YES	NO	
user_name	varchar(50)		NO	
user_last_name	varchar(50)		NO	
user_birth_date	date		NO	
user_gender	enum('Masculino','Femenino','Otro')		NO	
user_email	varchar(255)		NO	
user_password	varchar(255)		NO	
user_role	int		NO	
profile_picture	int		NO	
user_enabled	tinyint(1)		NO	1
user_created_at	timestamp		NO	CURRENT_TIMESTAMP
user_modified_at	timestamp		NO	CURRENT_TIMESTAMP
user_active	tinyint(1)		NO	1

videos

Column	Type	PK	Nullable	Default
video_id	int	YES	NO	
video_name	varchar(255)		NO	
video_duration	time		NO	
video_content_type	varchar(30)		NO	
video_address	varchar(255)		NO	
video_created_at	timestamp		NO	CURRENT_TIMESTAMP
video_modified_at	timestamp		NO	CURRENT_TIMESTAMP
video_active	tinyint(1)		NO	1