users
id 🔑		uuid
name	varchar(100)	NN
email	varchar(254)	NN
password_hash	varchar(255)	NN
role	user_role E	NN
created_at	timestamp	NN
updated_at	timestamp	
deleted_at	timestamp	
is_active	boolean	NN
email_confirmed	boolean	NN
email_confirmation_token	varchar(255)	
email_confirmation_token_expiry	timestamp	
password_reset_token	varchar(255)	
password_reset_token_expiry	timestamp	
time_zone	varchar(50)	NN
phone_number	varchar(20)	
profile_picture_url	text	
last_login_at	timestamp	
failed_login_attempts	int	NN
locked_until	timestamp	

courses
id 🔑		uuid
instructor_id	uuid	NN
title	varchar(200)	NN
description	text	
short_description	varchar(500)	
is_published	boolean	NN
price	decimal(10,2)	NN
currency	varchar(3)	NN
thumbnail_url	text	
video_intro_url	text	
duration_minutes	int	

notifications
id 🔑		uuid
user_id	uuid	NN
type	notification_type E	NN
title	varchar(200)	NN
message	text	NN
is_read	boolean	NN
email_sent	boolean	NN
email_sent_at	timestamp	
sms_sent	boolean	NN
sms_sent_at	timestamp	
push_sent	boolean	NN
push_sent_at	timestamp	
related_entity_id	uuid	
related_entity_type	varchar(50)	

audit_logs
id 🔑		uuid
entity_name	varchar(100)	NN
entity_id	varchar(50)	NN
action	audit_action_type E	NN
user_id	uuid	
ip_address	varchar(45)	
user_agent	varchar(500)	
old_values	json	
new_values	json	
metadata	json	
created_at	timestamp	NN

course_materials
id 🔑		uuid
course_id	uuid	NN
title	varchar(200)	NN
description	text	
file_url	text	NN
file_name	varchar(255)	NN
content_type	varchar(100)	NN
file_size_bytes	bigint	NN
order	int	NN
is_free	boolean	NN
duration_minutes	int	
is_required	boolean	NN
created_at	timestamp	NN

availability_slots
id 🔑		uuid
course_id	uuid	NN
instructor_id	uuid	NN
start_time_utc	timestamp	NN
end_time_utc	timestamp	NN
is_booked	boolean	NN
price	decimal(10,2)	NN
currency	varchar(3)	NN
max_participants	int	NN
current_participants	int	NN
notes	text	

enrollments
id 🔑		uuid
student_id	uuid	NN
course_id	uuid	NN
enrolled_at	timestamp	NN
is_active	boolean	NN
progress_percentage	int	NN
completed_at	timestamp	
last_accessed_at	timestamp	
updated_at	timestamp	

bookings
id 🔑		uuid
student_id	uuid	NN
availability_slot_id	uuid	NN
status	booking_status E	NN
amount	decimal(10,2)	NN
currency	varchar(3)	NN
student_notes	text	
instructor_notes	text	
created_at	timestamp	NN
updated_at	timestamp	
confirmed_at	timestamp	
cancelled_at	timestamp	
cancellation_reason	text	
rescheduled_from_booking_id	uuid	
meeting_url	text	
meeting_notes	text	

payments
id 🔑		uuid
booking_id	uuid	NN
user_id	uuid	NN
amount	decimal(10,2)	NN
currency	varchar(3)	NN
status	payment_status E	NN
provider	payment_provider E	NN
provider_transaction_id	varchar(255)	
provider_payment_intent_id	varchar(255)	
provider_metadata	json	
failure_reason	text	
created_at	timestamp	NN
processed_at	timestamp	
refunded_at	timestamp	
refund_amount	decimal(10,2)	
refund_reason	text	

course_progress
id 🔑		uuid
enrollment_id	uuid	NN
course_material_id	uuid	NN
is_completed	boolean	NN
completed_at	timestamp	
time_spent_seconds	int	NN
created_at	timestamp	NN
updated_at	timestamp	

promo_codes
id 🔑		uuid
code	varchar(50)	NN
description	text	
discount_type	discount_type E	NN
discount_value	decimal(10,2)	NN
currency	varchar(3)	NN
max_uses	int	
current_uses	int	NN
valid_from	timestamp	NN
valid_until	timestamp	NN
is_active	boolean	NN
applicable_course_ids	json	
created_at	timestamp	NN
updated_at	timestamp	

booking_promo_codes
id 🔑		uuid
booking_id	uuid	NN
promo_code_id	uuid	NN
discount_amount	decimal(10,2)	NN
created_at	timestamp	NN

user_sessions
id 🔑		uuid
user_id	uuid	NN
session_token	varchar(255)	NN
ip_address	varchar(45)	
user_agent	varchar(500)	
expires_at	timestamp	NN
created_at	timestamp	NN
last_activity_at	timestamp	NN

instructor_ratings
id 🔑		uuid
instructor_id	uuid	NN
student_id	uuid	NN
booking_id	uuid	NN
rating	int	NN
review	text	
is_public	boolean	NN
created_at	timestamp	NN
updated_at	timestamp	

course_ratings
id 🔑		uuid
course_id	uuid	NN
student_id	uuid	NN
rating	int	NN
review	text	
is_public	boolean	NN
created_at	timestamp	NN
updated_at	timestamp	

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users

Column	Type	
id	uuid	NN
name	varchar(100)	NN
email	varchar(254)	NN
password_hash	varchar(255)	NN
role	user_role E	NN
created_at	timestamp	NN
updated_at	timestamp	
deleted_at	timestamp	
is_active	boolean	NN
email_confirmed	boolean	NN
email_confirmation_token	varchar(255)	
email_confirmation_token_expiry	timestamp	
password_reset_token	varchar(255)	
password_reset_token_expiry	timestamp	
time_zone	varchar(50)	NN
phone_number	varchar(20)	
profile_picture_url	text	
last_login_at	timestamp	
failed_login_attempts	int	NN
locked_until	timestamp	

courses

Column	Type	
id	uuid	NN
instructor_id	uuid	NN
title	varchar(200)	NN
description	text	
short_description	varchar(500)	
is_published	boolean	NN
price	decimal(10,2)	NN
currency	varchar(3)	NN
thumbnail_url	text	
video_intro_url	text	
duration_minutes	int	

notifications

Column	Type	
id	uuid	
user_id	uuid	NN
type	notification_type E	NN
title	varchar(200)	NN
message	text	NN
is_read	boolean	NN
email_sent	boolean	NN
email_sent_at	timestamp	
sms_sent	boolean	NN
sms_sent_at	timestamp	
push_sent	boolean	NN
push_sent_at	timestamp	
related_entity_id	uuid	
related_entity_type	varchar(50)	
metadata	json	

audit_logs

Column	Type	
id	uuid	
entity_name	varchar(100)	NN
entity_id	varchar(50)	NN
action	audit_action_type E	NN
user_id	uuid	
ip_address	varchar(45)	
user_agent	varchar(500)	
old_values	json	
new_values	json	
metadata	json	
created_at	timestamp	NN

course_materials

Column	Type	
id	uuid	NN
course_id	uuid	NN
title	varchar(200)	NN
description	text	
file_url	text	
file_name	varchar(255)	NN
content_type	varchar(100)	NN
file_size_bytes	bigint	NN
order	int	NN
is_free	boolean	NN
duration_minutes	int	
is_required	boolean	NN
created_at	timestamp	NN

availability_slots

Column	Type	
id	uuid	NN
course_id	uuid	NN
instructor_id	uuid	NN
start_time_utc	timestamp	NN
end_time_utc	timestamp	NN
is_booked	boolean	NN
price	decimal(10,2)	NN
currency	varchar(3)	NN
max_participants	int	NN
current_participants	int	NN
notes	text	

bookings

Column	Type	
id	uuid	NN
student_id	uuid	NN
availability_slot_id	uuid	NN
status	booking_status E	NN
amount	decimal(10,2)	NN
currency	varchar(3)	NN
student_notes	text	
instructor_notes	text	
created_at	timestamp	NN
updated_at	timestamp	
confirmed_at	timestamp	
cancelled_at	timestamp	
cancellation_reason	text	
rescheduled_from_booking_id	uuid	
meeting_url	text	
meeting_notes	text	

payments

Column	Type	
id	uuid	NN
booking_id	uuid	NN
user_id	uuid	NN
amount	decimal(10,2)	NN
currency	varchar(3)	NN
status	payment_status E	NN
provider	payment_provider E	NN
provider_transaction_id	varchar(255)	NN
provider_payment_intent_id	varchar(255)	
provider_metadata	json	
failure_reason	text	
created_at	timestamp	NN
processed_at	timestamp	
refunded_at	timestamp	
refund_amount	decimal(10,2)	
refund_reason	text	

enrollments

Column	Type	
id	uuid	
student_id	uuid	
course_id	uuid	NN
enrolled_at	timestamp	
is_active	boolean	NN
progress_percentage	int	NN
completed_at	timestamp	
last_accessed_at	timestamp	
updated_at	timestamp	

course_progress

Column	Type	
id	uuid	NN
enrollment_id	uuid	NN
course_material_id	uuid	NN
is_completed	boolean	NN
completed_at	timestamp	
time_spent_seconds	int	NN
created_at	timestamp	NN
updated_at	timestamp	

promo_codes

Column	Type	
id	uuid	NN
code	varchar(50)	NN
description	text	
discount_type	discount_type E	NN
discount_value	decimal(10,2)	NN
currency	varchar(3)	NN
max_uses	int	
current_uses	int	NN
valid_from	timestamp	NN
valid_until	timestamp	NN
is_active	boolean	NN
applicable_course_ids	json	
created_at	timestamp	NN
updated_at	timestamp	

booking_promo_codes

Column	Type	
id	uuid	NN
booking_id	uuid	NN
promo_code_id	uuid	NN
discount_amount	decimal(10,2)	NN
created_at	timestamp	NN

user_sessions

Column	Type	
id	uuid	NN
user_id	uuid	NN
session_token	varchar(255)	NN
ip_address	varchar(45)	
user_agent	varchar(500)	
expires_at	timestamp	NN
created_at	timestamp	NN
last_activity_at	timestamp	NN

instructor_ratings

Column	Type	
id	uuid	NN
instructor_id	uuid	NN
student_id	uuid	NN
booking_id	uuid	NN
rating	int	NN
review	text	
is_public	boolean	NN
created_at	timestamp	NN
updated_at	timestamp	

course_ratings

Column	Type	
id	uuid	NN
course_id	uuid	NN
student_id	uuid	NN
rating	int	NN
review	text	
is_public	boolean	NN
created_at	timestamp	NN
updated_at	timestamp	

```
Enum user_role {
    admin
    instructor
    student
}


Enum booking_status {
    pending
    confirmed
    cancelled
    completed
    no_show
    rescheduled
}


Enum payment_status {
    pending
    succeeded
    failed
    cancelled
    refunded
    partially_refunded
}


Enum payment_provider {
    stripe
    paypal
}
```

```
Enum notification_type {
    booking_confirmation
    booking_reminder
    booking_cancellation
    booking_rescheduled
    payment_confirmation
    payment_failed
    course_published
    email_verification
    password_reset
    general_announcement
    course_updated
    session_reminder
    course_completed
    instructor_rating
}


Enum audit_action_type {
    create
    update
    delete
    login
    logout
    email_confirmation
    password_reset
    booking_created
    booking_updated
    payment_processed
}


Enum discount_type {
    percentage
    fixed_amount
}
```