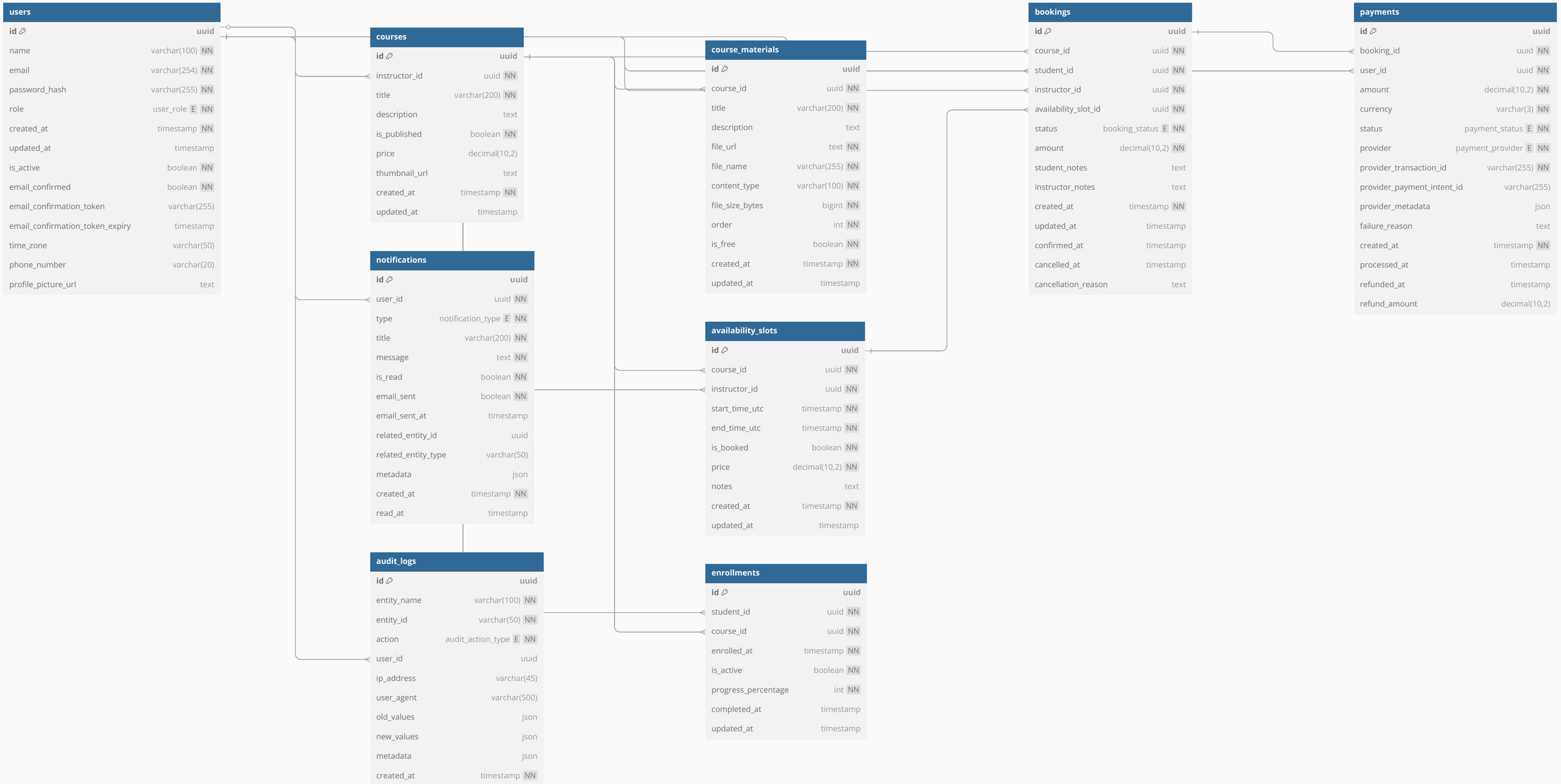

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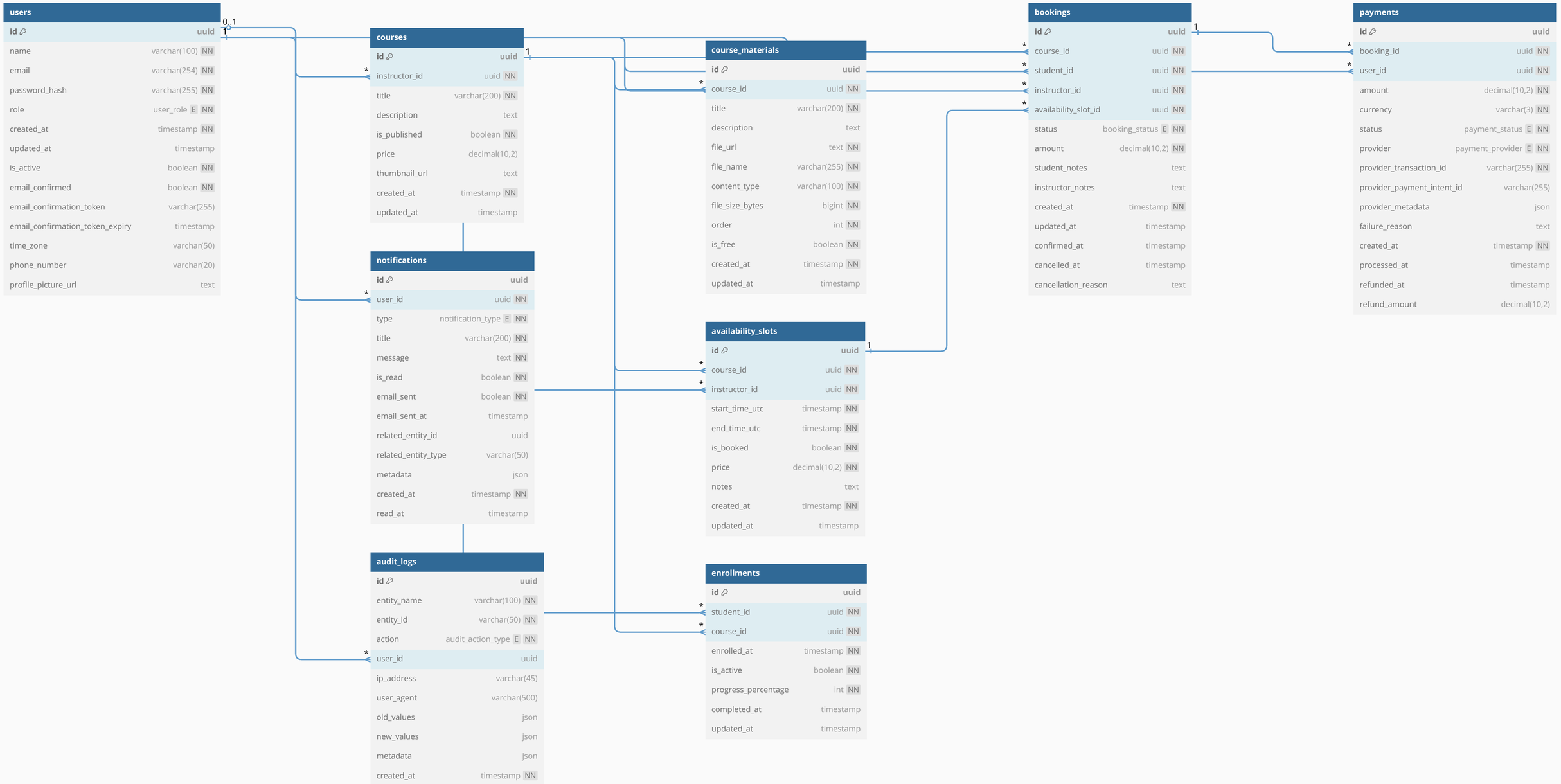
users
id uuid
name varchar(100) NN
email varchar(254) NN
password_hash varchar(255) NN
role user_role E NN
created_at timestamp NN
updated_at timestamp
is_active boolean NN
email_confirmed boolean NN
email_confirmation_token varchar(255)
email_confirmation_token_expiry timestamp
time_zone varchar(50)
phone_number varchar(20)
profile_picture_url text
courses
id uuid
instructor_id uuid NN
title varchar(200) NN
description text
is_published boolean NN
price decimal(10,2)
thumbnail_url text
created_at timestamp NN
updated_at timestamp
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
related_entity_id uuid
related_entity_type varchar(50)
metadata json
created_at timestamp NN
read_at timestamp
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
created_at timestamp NN
updated_at timestamp
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
notes text
created_at timestamp NN
updated_at timestamp
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
updated_at timestamp
bookings
id uuid
course_id uuid NN
student_id uuid NN
instructor_id uuid NN
availability_slot_id uuid NN
status booking_status E NN
amount decimal(10,2) NN
student_notes text
instructor_notes text
created_at timestamp NN
updated_at timestamp
confirmed_at timestamp
cancelled_at timestamp
cancellation_reason 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) 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)
0..1
1
*
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```
Enum user_role {
  admin
  instructor
  student
}

Enum booking_status {
  pending
  confirmed
  cancelled
  completed
  no_show
}

Enum payment_status {
  pending
  succeeded
  failed
  cancelled
  refunded
}

Enum payment_provider {
  stripe
  paypal
}

Enum notification_type {
  booking_confirmation
  booking_reminder
  booking_cancellation
  payment_confirmation
  payment_failed
  course_published
  email_verification
  password_reset
  general_announcement
  booking_rescheduled
  course_updated
}

Enum audit_action_type {
  create
  update
  delete
  login
  logout
  email_confirmation
  password_reset
}
```

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