MLD

USER(id, username, email, password, roles, is_verified, email_verification_token, is_active)

THEME(id, nom, image, valide)

CERTIFICATION(id, theme_id, created_at)

CURSUS(id, theme_id, nom, prix, is_validated)

LECON(id, cursus_id, nom, prix)

USER_CURSUS(user_id, cursus_id)

USER_LECON(user_id, lecon_id)

USER_LECON_VALIDATIONS(user_id, lecon_id)

USER_PURCHASE(id, user_id, lecon_id, cursus_id, is_validated)

🔄 Clés étrangères (relations)
CERTIFICATION.theme_id → THEME.id (1,1) —> (0,1)

CURSUS.theme_id → THEME.id (1,n) —> (1,1)

LECON.cursus_id → CURSUS.id (1,n) —> (1,1)

USER_CURSUS.user_id → USER.id
USER_CURSUS.cursus_id → CURSUS.id
(relation N,N entre USER et CURSUS)

USER_LECON.user_id → USER.id
USER_LECON.lecon_id → LECON.id
(relation N,N entre USER et LECON)

USER_LECON_VALIDATIONS.user_id → USER.id
USER_LECON_VALIDATIONS.lecon_id → LECON.id
(relation N,N entre USER et LECON pour les leçons validées)

USER_PURCHASE.user_id → USER.id
USER_PURCHASE.lecon_id → LECON.id
USER_PURCHASE.cursus_id → CURSUS.id
(relation de type 1,N avec enregistrement optionnel d'un achat de leçon ou cursus)