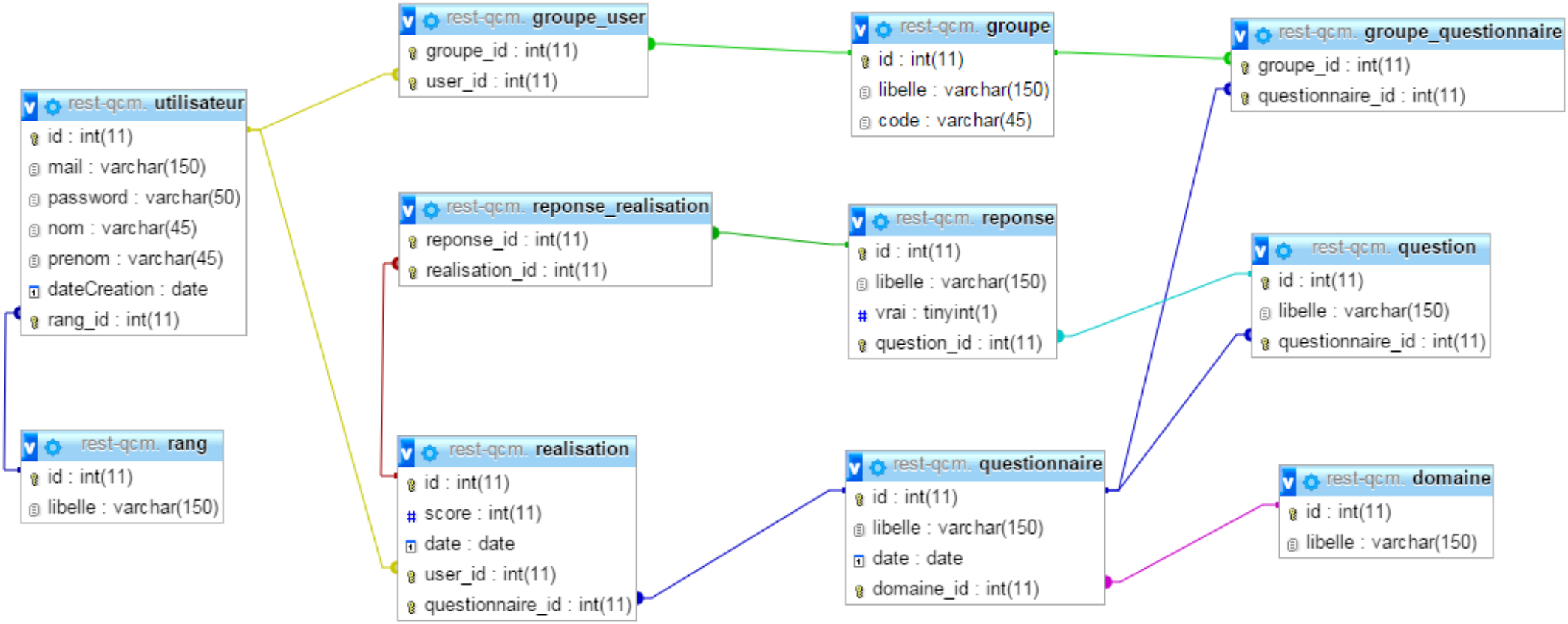Modèle Physique de Données QCM