

Consolidated Construction Marketplace Database Schema

This document provides a consolidated view of the database schema across all phases of the Construction Marketplace platform.

Phase 1: Materials Liquidity Engine (Core Marketplace & Payments)

Payment Model

Payment
<div>order: ForeignKey</div> <div>provider: str</div> <div>amount: Decimal</div> <div>status: str</div> <div>transaction_reference: str</div> <div>paid_at: DateTime</div>

Dispute Model

Dispute
opened_by: User order: Order status: str reason: TextField created_at: DateTime

Vendor Performance & Trust Signals (Part of Vendor Profile)

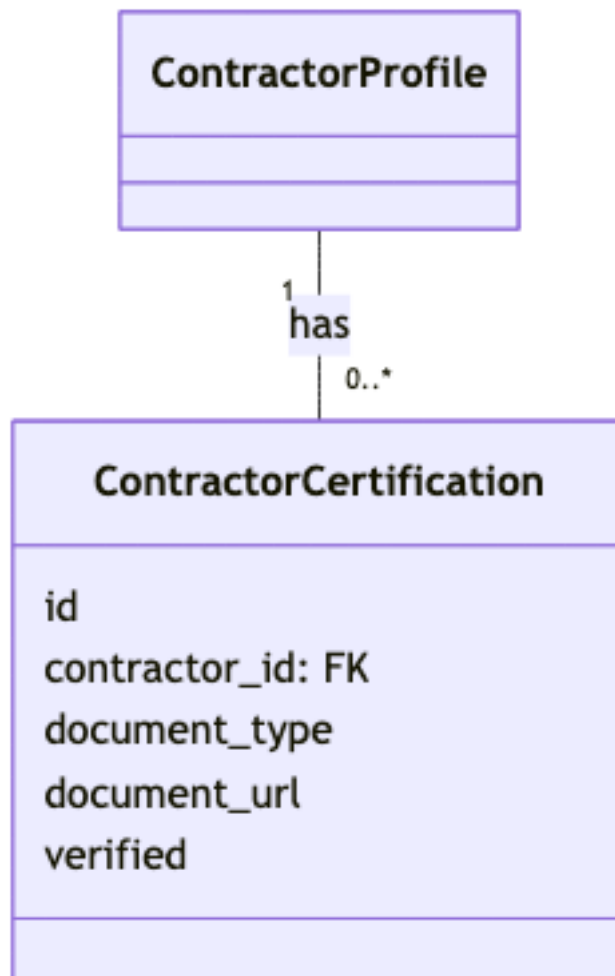
Vendor
fulfillment_rate: Float cancellation_rate: Float delivery_timeliness: Float average_rating: Float total_reviews: Integer

Phase 2: Contractor + Contracts Execution Layer

Contractor Profile (`contractors_contractor`)

ContractorProfile
<div>id</div> <div>user_id: FK --> accounts_user</div> <div>company_name</div> <div>service_categories</div> <div>operating_region</div> <div>verified_status</div> <div>rating_avg</div> <div>created_at</div>

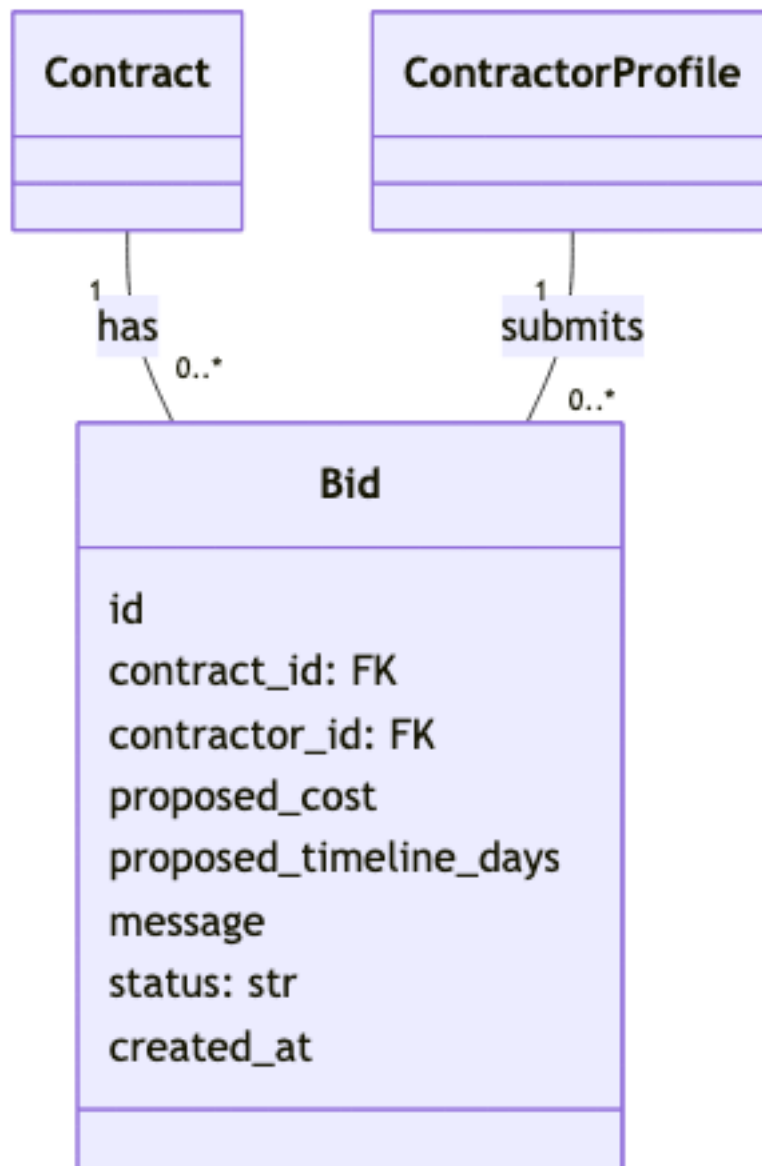
Contractor Certifications (contractors_certification)



Contract (contracts_contract)

Contract
<div>id</div> <div>owner_id: FK --> accounts_user</div> <div>title</div> <div>description_scope</div> <div>location</div> <div>budget_min</div> <div>budget_max</div> <div>status: str</div> <div>created_at</div>

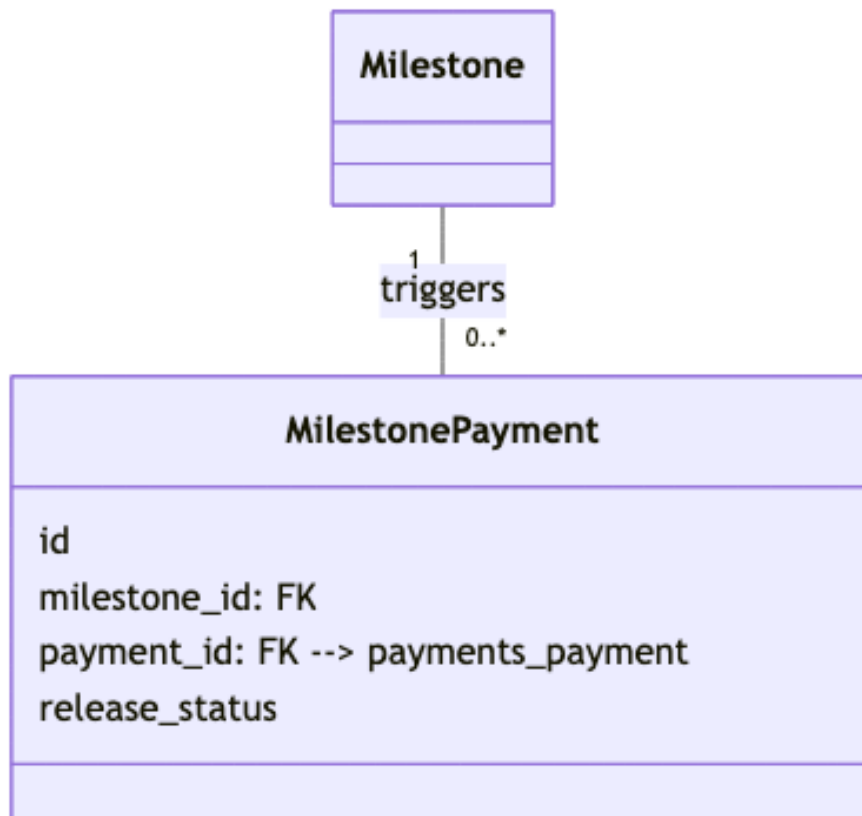
Bid (contracts_bid)



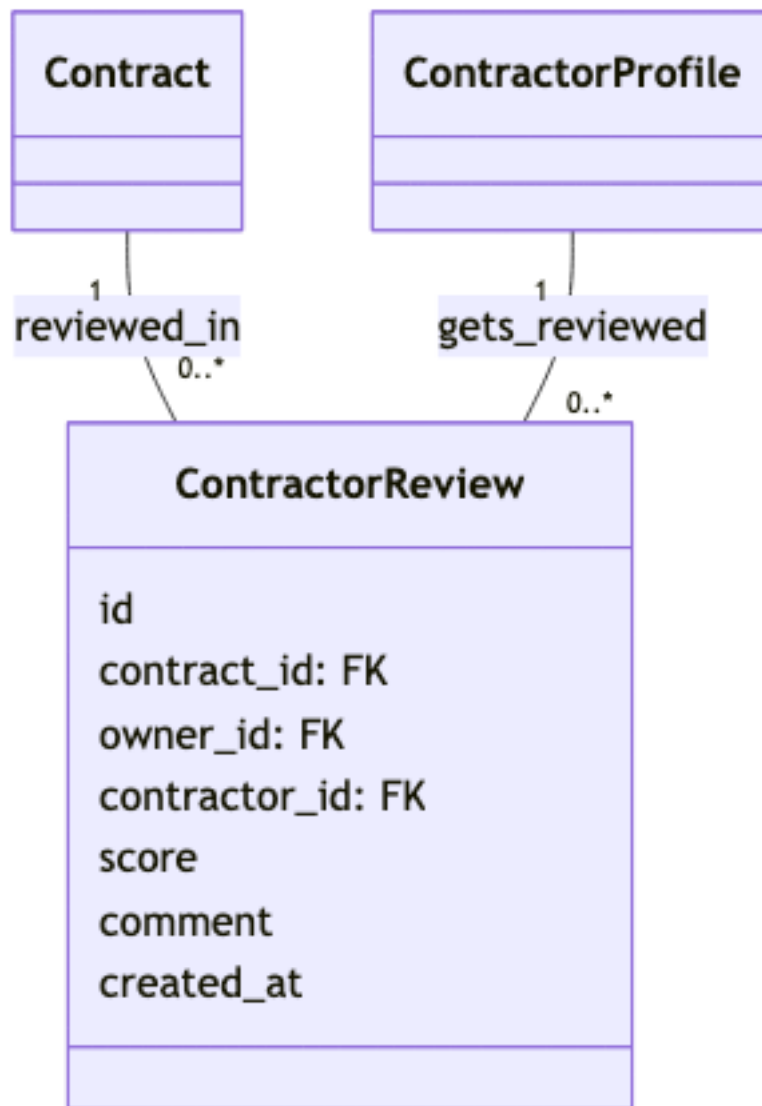
Milestone (contracts_milestone)



Milestone Payment (payments_milestone_payment)

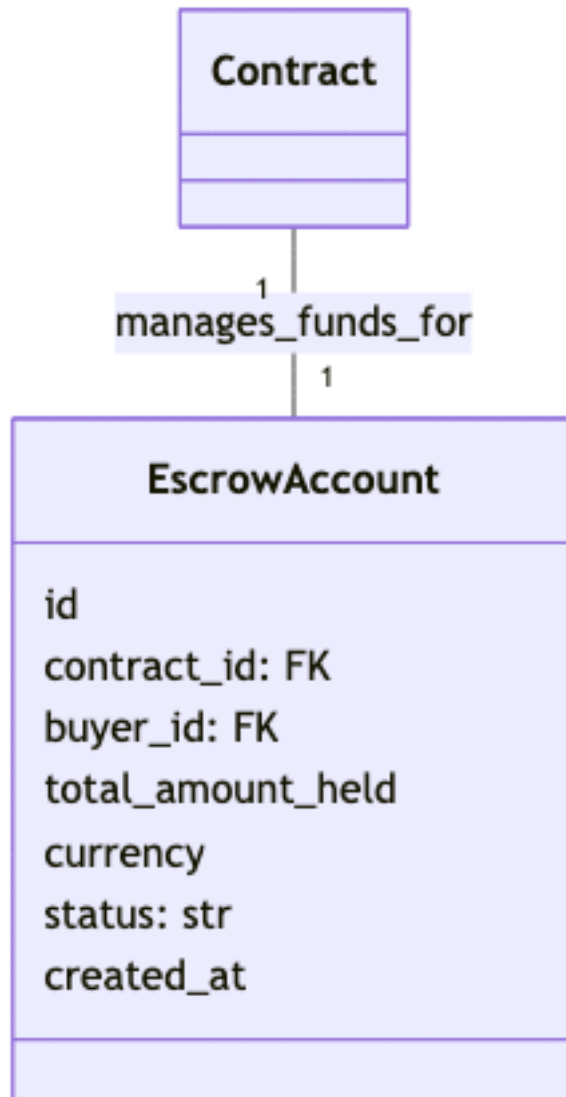


Contractor Review (reviews_contractor_rating)

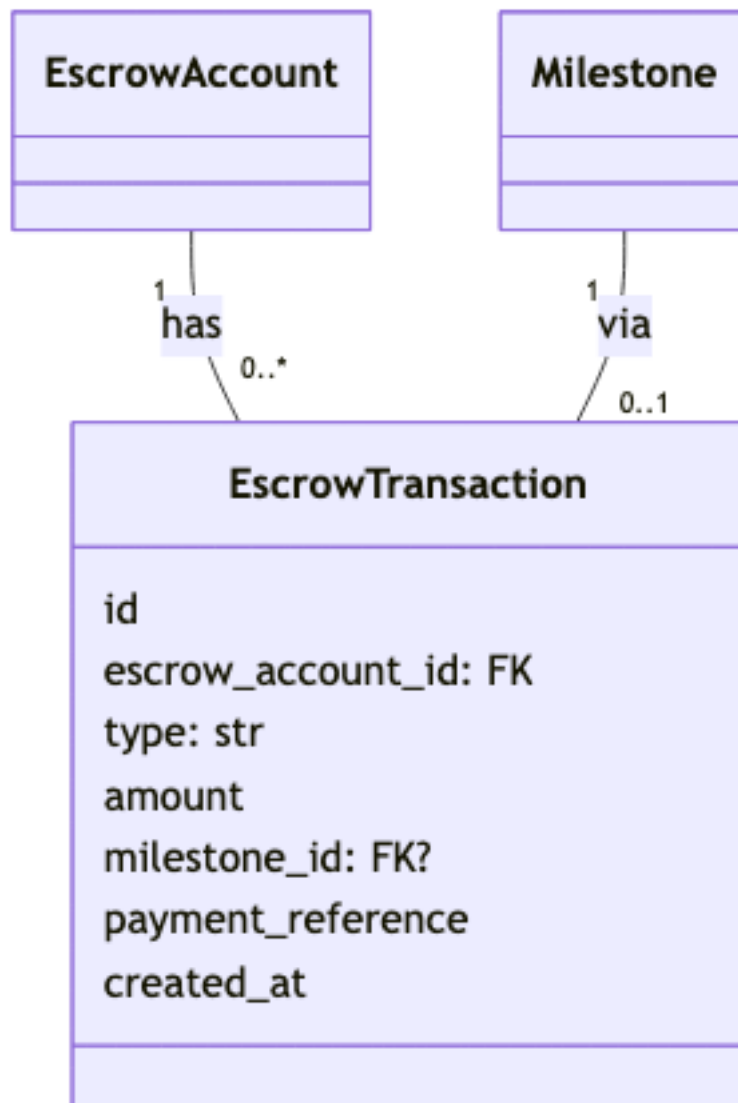


Phase 3: Escrow + Embedded Finance Layer

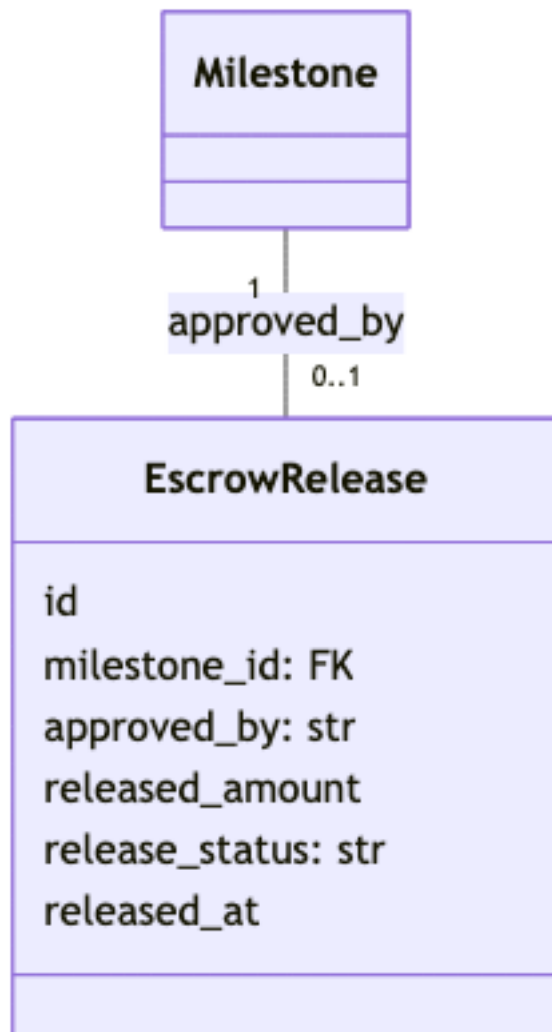
Escrow Account (escrow_account)



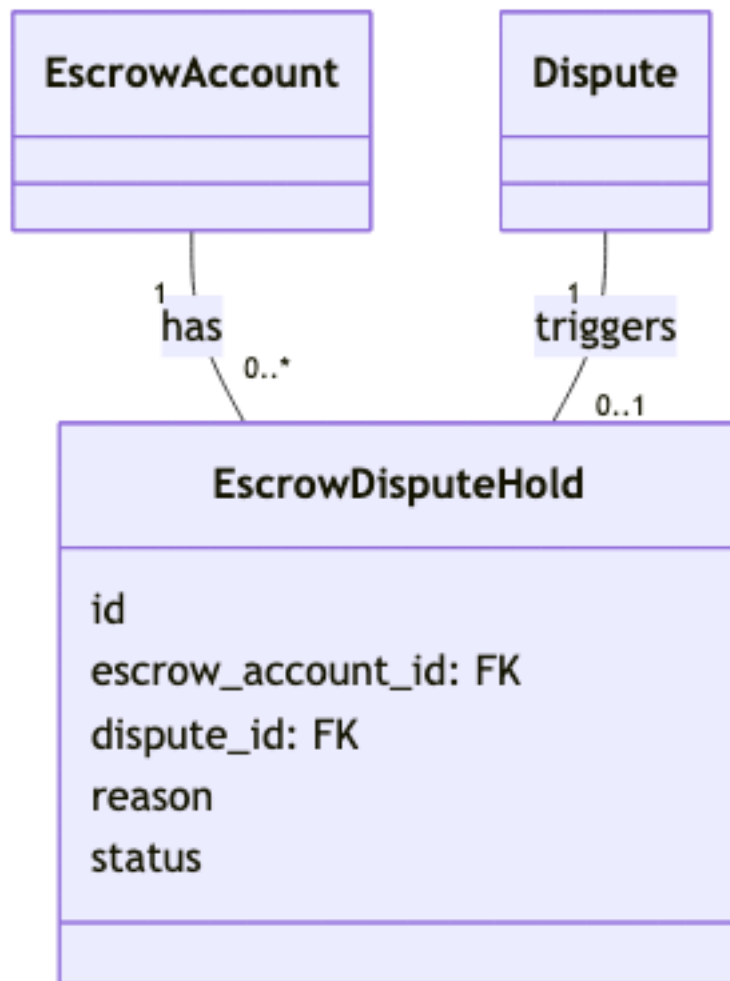
Escrow Transaction (escrow_transaction)



Escrow Release (escrow_release)



Escrow Dispute Hold (escrow_hold)

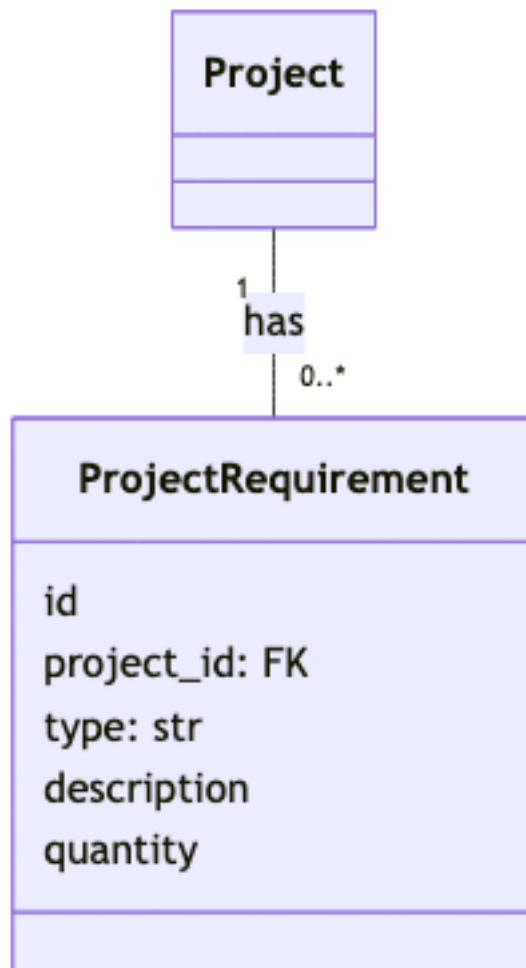


Phase 4: Projects + Property + Capital Pipeline

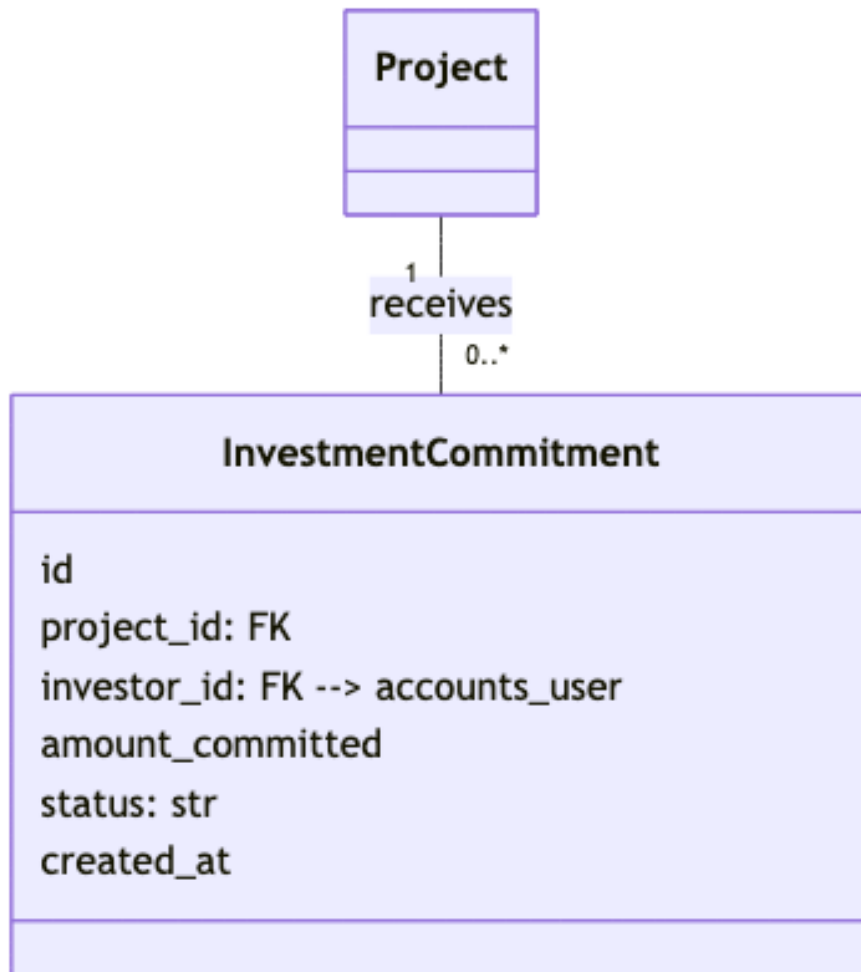
Project (projects_project)

Project
id owner_id: FK --> accounts_user title description location estimated_budget funding_required: boolean status: str created_at

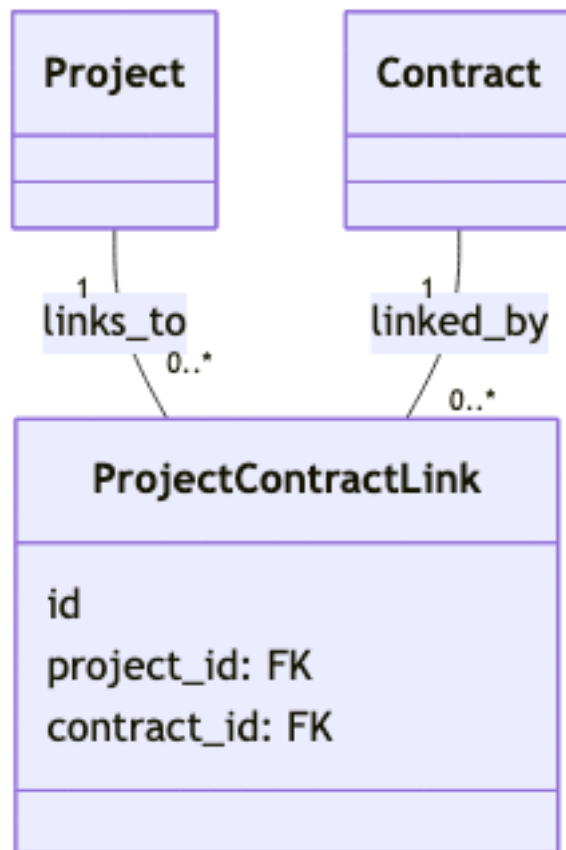
Project Requirement (projects_requirement)



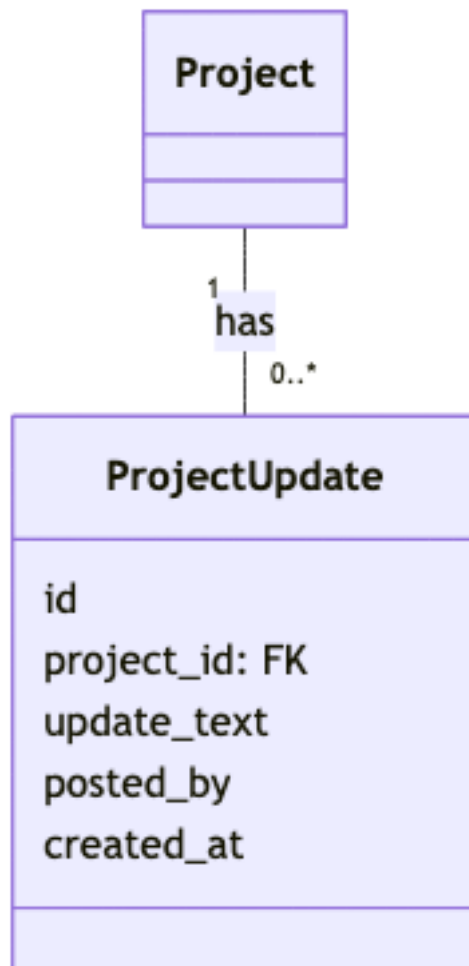
Investment Commitment (projects_investment_commitment)



Project Contract Link (projects_project_contract)



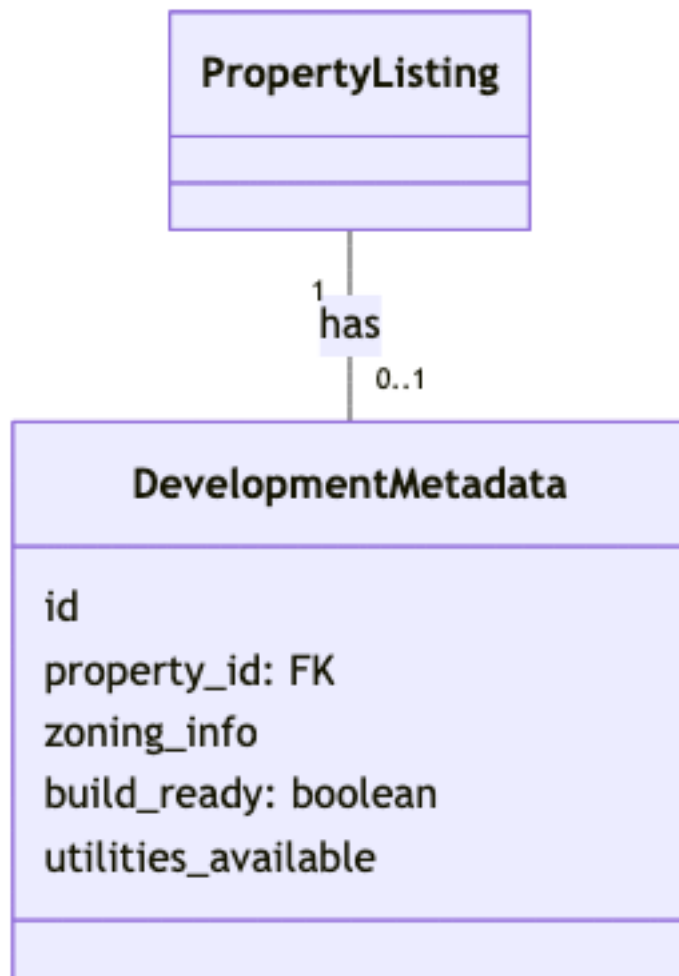
Project Update (projects_update)



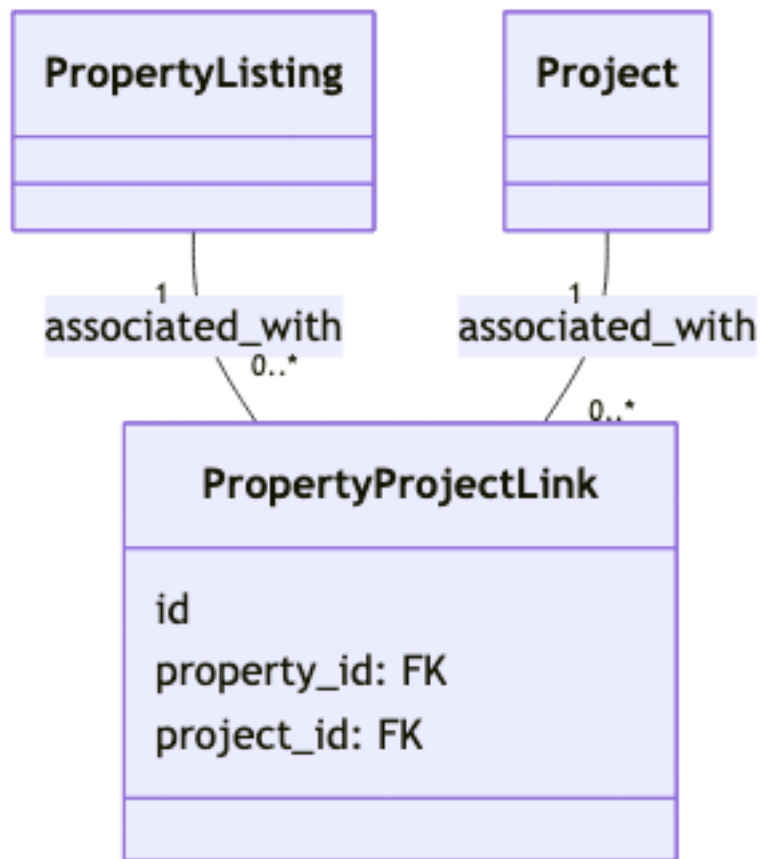
Property Listing (property_listing)

PropertyListing
<div>id</div> <div>owner_id: FK --> accounts_user</div> <div>title</div> <div>description</div> <div>location</div> <div>asset_type: str</div> <div>price_estimate</div> <div>status: str</div> <div>created_at</div>

Development Metadata (property_development)



Property Project Link (property_project_link)

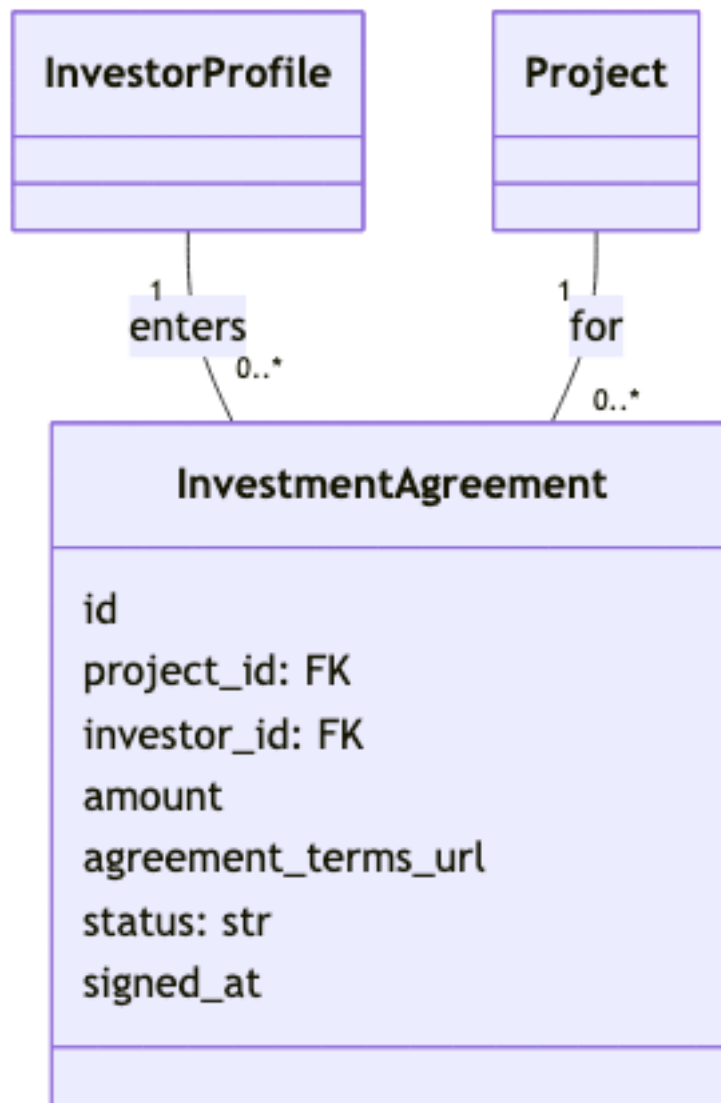


Phase 5: Regulated Investment + Enterprise + Government Layer

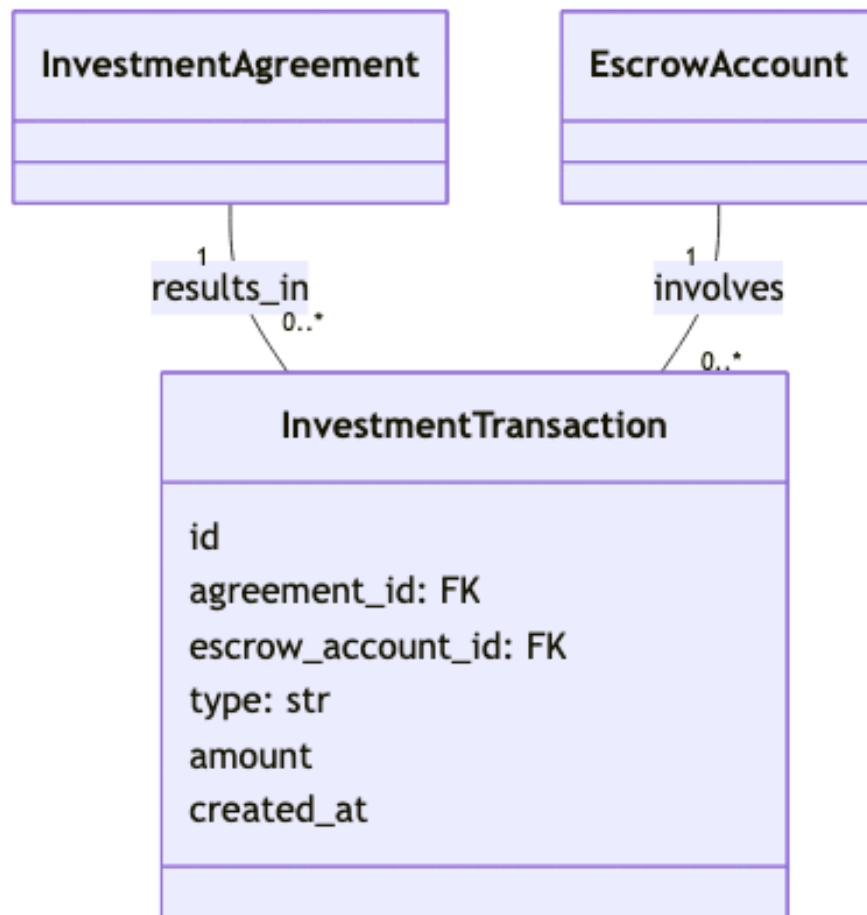
Investor (investor_profile)

InvestorProfile
<div><div>id</div><div>user_id: FK --> accounts_user</div><div>kyc_status: str</div><div>accreditation_status</div><div>jurisdiction</div><div>created_at</div></div>

Investment Agreement (investment_agreement)



Investment Transaction (`investment_transaction`)



Investor Report (investor_report)

