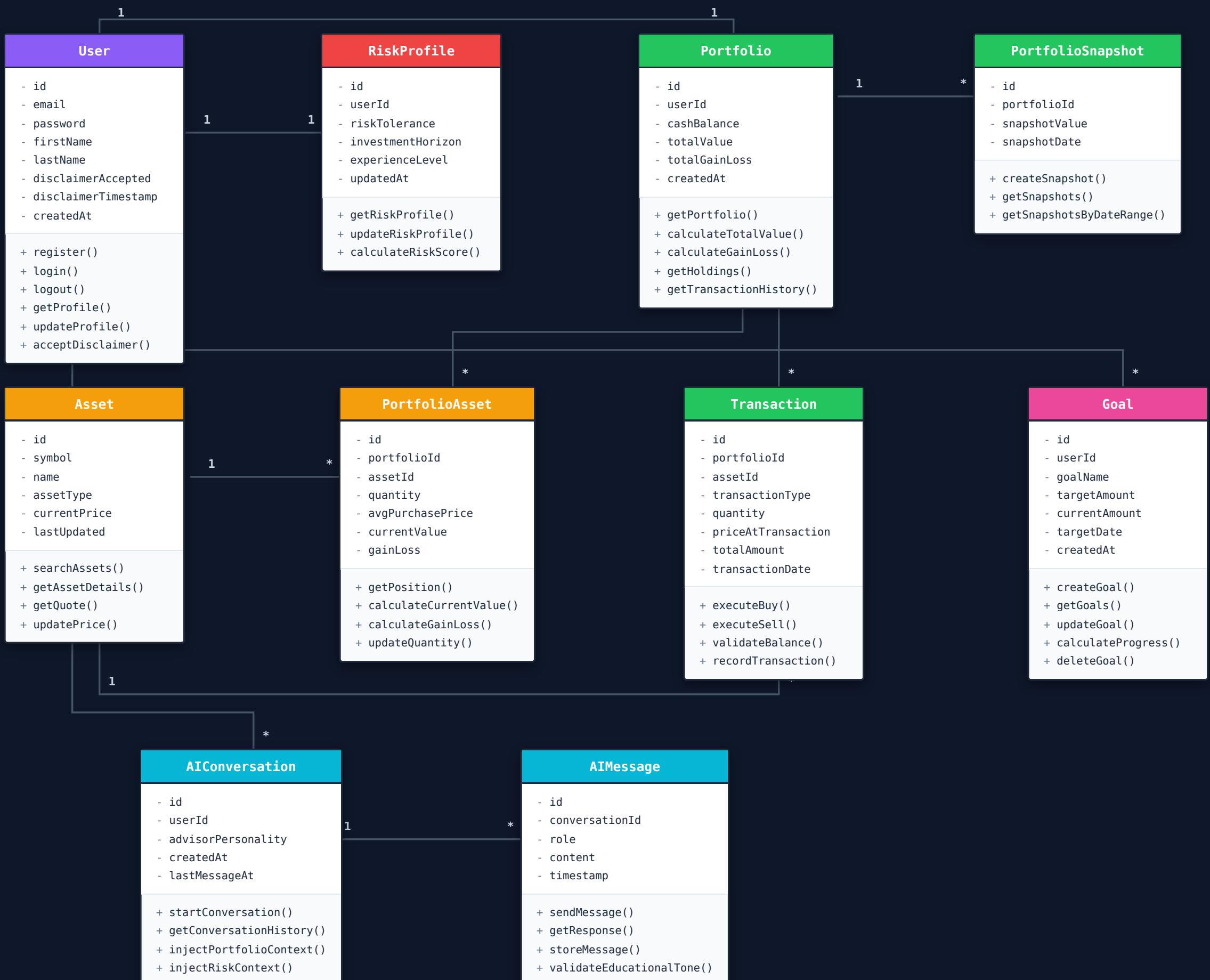


InvestEd — UML Class Diagram

Investment Learning Platform - Class Structure with Attributes & Methods



Legend

█ User Domain
 █ Risk Profile
 █ Portfolio Domain
 █ Asset Domain
 █ Goal Domain
 █ AI Domain
 - Private
 + Public
 1 – * One-to-Many
 1 – 1 One-to-One

Class Relationships

- `User` → `RiskProfile`: 1:1 — Each user has one risk assessment
- `User` → `Goal`: 1:N — Users can create multiple financial goals
- `Portfolio` → `PortfolioAsset`: 1:N — Portfolio contains multiple positions
- `Portfolio` → `PortfolioSnapshot`: 1:N — Historical value tracking
- `Asset` → `Transaction`: 1:N — Assets in transaction records

- `User` → `Portfolio`: 1:1 — Each user has one paper money portfolio
- `User` → `AIConversation`: 1:N — Users can have multiple chat sessions
- `Portfolio` → `Transaction`: 1:N — All buy/sell activity logged
- `Asset` → `PortfolioAsset`: 1:N — Assets held across portfolios
- `AIConversation` → `AIMessage`: 1:N — Messages in each conversation