

Group Project Document – Part 1

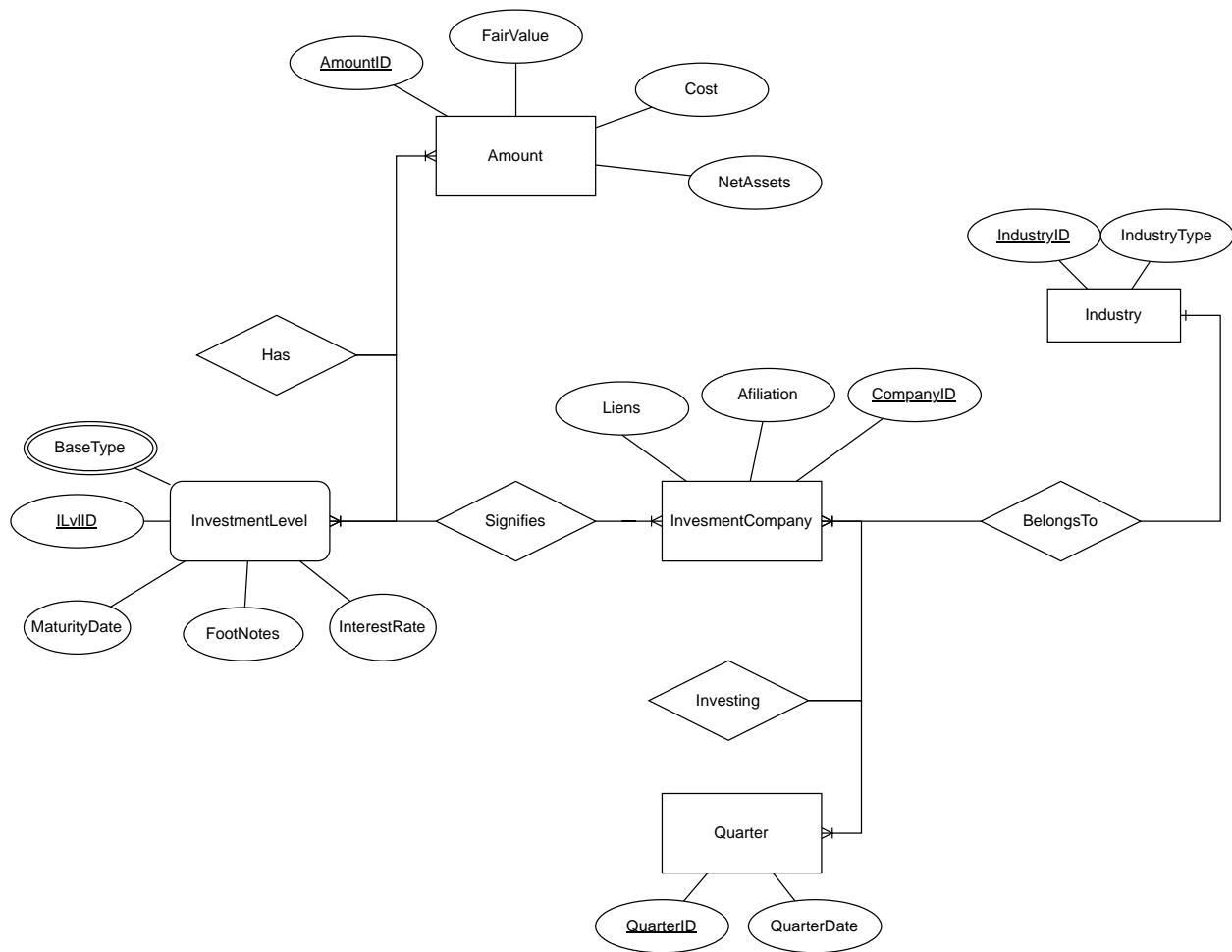
SOI Database

- **Project Part 01**
- **Team Number 02**
- **Team Members:**
 - Fuad Hassan
 - Omar Shakir
 - Tony Siu
 - Heron Ziegel
- **Database System Name:** SOI Database (**Schedule of Investments**)

Part 1:

Requirements:

1. Every **Quarter** has a QuarterID (unique) and a QuarterDate.
2. Every **InvestmentCompany** has a CompanyID (unique), Liens, and Affiliation.
3. Every **InvestmentLevel** has a ILvlID (unique), a MaturityDate, a FootNotes, an InterestRate, and can have multiple BaseTypes.
4. Every **Amount** has a AmountID (unique), FairValue, Cost and NetAssets.
5. Every **Industry** has a IndustryID (unique) and an IndustryType.
6. Each Quarter is investing in multiple investment companies and must invest in at least one. Each InvestmentCompany is invested in by multiple Quarters and must be invested in by at least one.
7. Each InvestmentLevel can have multiple Amounts and must have at least one. Each Amount can correspond to multiple InvestmentLevels and must correspond to at least one.
8. Each InvestmentCompany can signify multiple InvestmentLevels and must signify at least one. Each InvestmentLevel and correspond to multiple InvestmentCompanies and must correspond to at least one.
9. Each InvestmentCompany belongs to exactly one Industry, and each Industry can correspond to multiple InvestmentCompanies and must correspond to at least one.

ER diagram – SOI Database

Schema diagram – SOI Database

