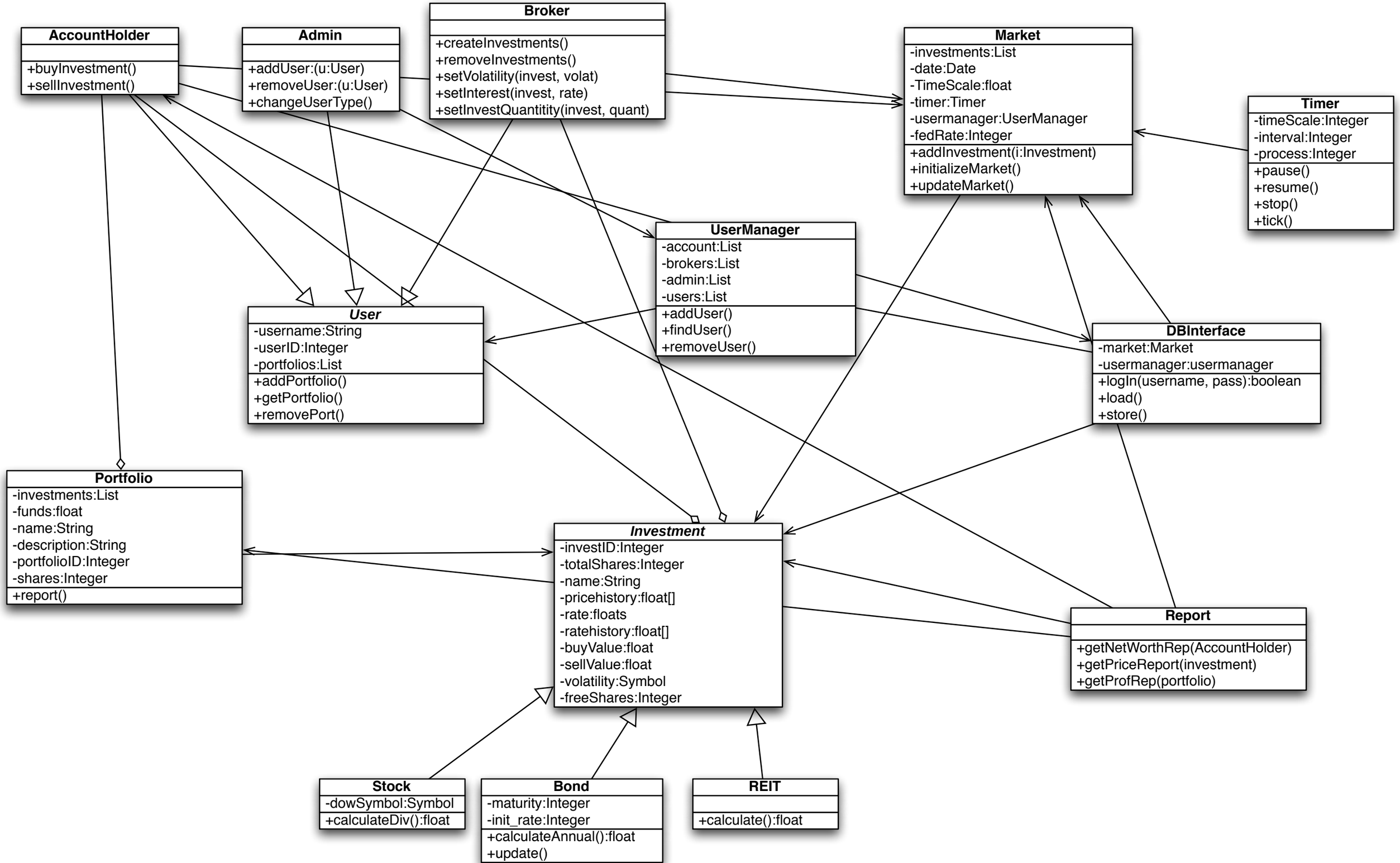
AccountHolder
+buyInvestment()
+sellInvestment()
Admin
+addUser:(u:User)
+removeUser:(u:User)
+changeUserType()
Broker
+createInvestments()
+removeInvestments()
+setVolatility(invest, volat)
+setInterest(invest, rate)
+setInvestQuantitity(invest, quant)
Market
-investments:List
-date:Date
-TimeScale:float
-timer:Timer
-usermanager:UserManager
-fedRate:Integer
+addInvestment(i:Investment)
+initializeMarket()
+updateMarket()
Timer
-timeScale:Integer
-interval:Integer
-process:Integer
+pause()
+resume()
+stop()
+tick()
UserManager
-account:List
-brokers:List
-admin:List
-users:List
+addUser()
+findUser()
+removeUser()
User
-username:String
-userID:Integer
-portfolios:List
+addPortfolio()
+getPortfolio()
+removePort()
DBInterface
-market:Market
-usermanager:usermanager
+logIn(username, pass):boolean
+load()
+store()
Portfolio
-investments:List
-funds:float
-name:String
-description:String
-portfolioID:Integer
-shares:Integer
+report()
Investment
-investID:Integer
-totalShares:Integer
-name:String
-pricehistory:float[]
-rate:floats
-ratehistory:float[]
-buyValue:float
-sellValue:float
-volatility:Symbol
-freeShares:Integer
Report
+getNetWorthRep(AccountHolder)
+getPriceReport(investment)
+getProfRep(portfolio)
Stock
-dowSymbol:Symbol
+calculateDiv():float
Bond
-maturity:Integer
-init_rate:Integer
+calculateAnnual():float
+update()
REIT
+calculate():float