A **Shareholders Management System** involves managing information about shareholders, their shares, transactions, and company details. Below is a design for key **entities** and their corresponding **attributes** in such a system:

### 1. ****Entity: Shareholder****

**Attributes:**

* ShareholderID (Primary Key)
* FullName
* DateOfBirth
* Address
* PhoneNumber
* EmailAddress
* NationalID or PassportNumber
* AccountStatus (e.g., Active, Inactive)
* DateJoined

### 2. ****Entity: Share****

**Attributes:**

* ShareID (Primary Key)
* ShareType (e.g., Common, Preferred)
* ShareValue
* TotalSharesIssued
* DividendRate
* IssueDate

### 3. ****Entity: Ownership****

(Represents the relationship between shareholders and their shares)  
**Attributes:**

* OwnershipID (Primary Key)
* ShareholderID (Foreign Key)
* ShareID (Foreign Key)
* SharesOwned
* OwnershipStartDate
* OwnershipEndDate

### 4. ****Entity: Transaction****

(Tracks share transactions such as buying, selling, or transferring)  
**Attributes:**

* TransactionID (Primary Key)
* TransactionType (e.g., Buy, Sell, Transfer)
* ShareholderID (Foreign Key)
* ShareID (Foreign Key)
* TransactionDate
* NumberOfShares
* TransactionValue
* BrokerID (Foreign Key, optional for third-party involvement)

### 5. ****Entity: Company****

**Attributes:**

* CompanyID (Primary Key)
* CompanyName
* RegistrationNumber
* Address
* PhoneNumber
* EmailAddress
* TotalSharesAuthorized
* TotalSharesIssued

### 6. ****Entity: Dividend****

**Attributes:**

* DividendID (Primary Key)
* ShareID (Foreign Key)
* ShareholderID (Foreign Key)
* DividendDate
* DividendAmount
* PaymentMethod
* PaymentStatus

### 7. ****Entity: Meeting****

(For shareholder meetings)  
**Attributes:**

* MeetingID (Primary Key)
* MeetingDate
* Agenda
* Location
* MeetingType (e.g., Annual General Meeting, Special Meeting)

8. **Entity: Voting**

**Attributes:**

* VotingID (Primary Key)
* MeetingID (Foreign Key)
* ShareholderID (Foreign Key)
* ResolutionTitle
* Vote (e.g., Yes, No, Abstain)

### Relationships:

* **Shareholder ↔ Ownership ↔ Share**: A shareholder can own multiple shares, and each share can belong to multiple shareholders.
* **Shareholder ↔ Transaction**: Tracks share transactions made by shareholders.
* **Shareholder ↔ Dividend**: Records dividends paid to shareholders.
* **Company ↔ Share**: The company issues shares for shareholders to own.
* **Meeting ↔ Voting ↔ Shareholder**: Tracks shareholder participation and voting outcomes.

This structure can be expanded or customized based on specific requirements of the shareholders' management system. Let me know if you'd like further details or a specific database schema!

@startuml

title Omo Bank Shareholders Management System Use Case Diagram

actor Shareholder

actor Administrator

actor Auditor

usecase "Manage Shareholders" as UC1

usecase "Record Transactions" as UC2

usecase "Issue Dividends" as UC3

usecase "Schedule Meetings" as UC4

usecase "Conduct Voting" as UC5

usecase "Generate Reports" as UC6

usecase "Audit Transactions" as UC7

Shareholder --> UC3

Shareholder --> UC5

Shareholder --> UC6

Administrator --> UC1

Administrator --> UC2

Administrator --> UC3

Administrator --> UC4

Administrator --> UC5

Administrator --> UC6

Auditor --> UC6

Auditor --> UC7

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