**REAL ESTATE MANAGEMENT SYSTEM**

A real estate management system is a software application designed to streamline and automate various processes involved in managing properties, transactions and relationships with the real estate industry. These systems are commonly used by real estate agencies, property management companies, brokers, and individual agents to efficiently handle their operations.

**Summary of entities and its attributes:**

**Domain Description:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PropertyID | Address | Type | Bedrooms | Bathrooms | Price | Square Footage |
| 1 | 123main st,cityville | Apartment | 2 | 1 | $2,00,0000 | 1000 |
| 2 | 456elm st,townsville | House | 3 | 2 | $3,50,000 | 2000 |
| 3 | Oak st, village ton | condo | 1 | 1 | $1,50,000 | 800 |

Agent:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| AgentID | Name | Contact\_info | Commission | Licenseno |
| 101 | John | 7416453502 | 50,000 | AGT1234 |
| 102 | Emily | 9676283502 | 50,000 | AGT5678 |

Buyer:

|  |  |  |
| --- | --- | --- |
| BuyerID | Name | Contact\_info |
| 201 | Michael | 8756695467 |
| 202 | Sarah | 9867533590 |

Seller:

|  |  |  |
| --- | --- | --- |
| SellerID | Name | Contact\_info |
| 301 | David | david@example.com |
| 302 | Amanda | amanda@example.com |

Listing:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ListId | AgentID | PropertyID | Datelisted | Status |
| 501 | 101 | 1 | 2024-04-01 | Active |
| 502 | 102 | 2 | 2024-03-15 | Sold |

Contract:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ContractID | BuyerID | SellerID | Datesigned | Status |
| 701 | 201 | 301 | 2024-04-05 | Active |
| 702 | 202 | 302 | 2024-04-20 | Sold |

Mortgage:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MortgageID | BuyerID | Lender | Amount | Interestrate | Term |
| 801 | 201 | Bankofx | $1,60,000 | 3.5 | 30yrs |
| 802 | 202 | Bankofy | $2,80,000 | 4.0 | 20yrs |

Inspection:

|  |  |  |  |
| --- | --- | --- | --- |
| InspectionID | PropertyID | Date | Description |
| 901 | 1 | 2024-04-07 | Good condition |
| 902 | 2 | 2024-04-21 | Minor repairs needed |

Neighbourhood:

|  |  |  |  |
| --- | --- | --- | --- |
| NeighbourhoodID | Name | Location | Crimerate |
| 1 | harsha | cityvile | low |
| 2 | sravani | Townvile | medium |

Report:

|  |  |  |  |
| --- | --- | --- | --- |
| ReportID | InspectorID | Date | Description |
| 1001 | 901 | 2024-04-07 | Property Inspection |
| 1002 | 902 | 2024-04-21 | Property inspection |

Er diagram:s