

| INSPECTION    |                     |               |
|---------------|---------------------|---------------|
| P *           | InspectionDate      | Date          |
|               | PropertyNumber      | Integer       |
|               | InspectorFirstName  | VARCHAR (30)  |
|               | InspectorLastName   | VARCHAR (30)  |
|               | ReasonForInspection | VARCHAR (100) |
|               | NumberOfHours       | Integer       |
|               | ActualInspectionFee | DECIMAL       |
|               | InspectorID         | CHAR (20)     |
| INSPECTION PK |                     |               |

| PROPERTY TRACKING COMPANY |                    |              |
|---------------------------|--------------------|--------------|
| P *                       | InspectorID        | CHAR (20)    |
|                           | CompanyName        | VARCHAR (30) |
|                           | HireDate           | Date         |
|                           | EstimatedHourlyFee | DECIMAL      |
|                           | InspectorLastName  | VARCHAR (30) |
|                           | InspectorFirstName | VARCHAR (30) |
|                           | INSPECTOR PK       |              |

| PROPERTY |                    |              |
|----------|--------------------|--------------|
| P *      | PropertyNumber     | Integer      |
|          | StreetAddress      | VARCHAR (30) |
|          | City               | VARCHAR (30) |
|          | State/Province     | VARCHAR (30) |
|          | ZIPCode/PostalCode | Integer      |
|          | SquareFootage      | DECIMAL      |
|          | YearBuilt          | Integer      |
|          | PropertyType       | VARCHAR (30) |
|          | PROPERTY PK        |              |

| EMPLOYEE |                      |              |
|----------|----------------------|--------------|
| P *      | EmployeeID           | CHAR (20)    |
|          | EmployeeFirstName    | VARCHAR (30) |
|          | EmployeeLastName     | VARCHAR (30) |
|          | HireDate             | Date         |
|          | CellNumber           | Integer      |
|          | RealtorLicenseNumber | Integer      |
|          | EMPLOYEE PK          |              |

| PROPERTY REVIEW    |                    |               |
|--------------------|--------------------|---------------|
| P *                | ViewDate           | Date          |
| P *                | ClientID           | CHAR (20)     |
| P *                | InspectorID        | CHAR (20)     |
|                    | FeedbackFromClient | VARCHAR (100) |
| F *                | ClientID1          | CHAR (20)     |
| F *                | PropertyNumber     | Integer       |
| PROPERTY REVIEW PK |                    |               |

| POTENTIAL CLIENT |                  |              |
|------------------|------------------|--------------|
| P *              | ClientID         | CHAR (20)    |
|                  | ClientFrstName   | VARCHAR (30) |
|                  | ClientLastName   | VARCHAR (30) |
|                  | ContactCellPhone | Integer      |
|                  | EmailAddress     | VARCHAR (30) |
| CLIENT PK        |                  |              |

- Assumptions:
1. Assume that all unique IDs are 20 digits
  2. Not all employees are inspectors
  3. Multiple clients can visit multiple properties in a day
  4. Clients and properties can be in the database without any action taken
  5. Multiple inspectors can visit multiple properties on the same day
  6. All dates are inputed in a MM-DD-YY format
  7. Phone number integers are formatted as XXX-XXX-XXXX

Database Title: Database Fundamentals

Name: Brandon (Jin Su) Lee

Date/Time: 2/16/1911:30 PM

Lab Session Time: Monday, 3:30PM-5:20PM

Requests

Is requested by

Inspects

Is inspected by

Is reviewed

Reviews

Is viewed by

Views