-- phpMyAdmin SQL Dump

-- version 5.2.1

-- https://www.phpmyadmin.net/

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-- Host: 127.0.0.1

-- Generation Time: Jan 08, 2025 at 03:57 PM

-- Server version: 10.4.32-MariaDB

-- PHP Version: 8.0.30

SET SQL\_MODE = "NO\_AUTO\_VALUE\_ON\_ZERO";

START TRANSACTION;

SET time\_zone = "+00:00";

/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;

/\*!40101 SET NAMES utf8mb4 \*/;

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-- Database: `crane system database`

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-- Table structure for table `agents`

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CREATE TABLE `agents` (

`AgentID` int(11) NOT NULL,

`Name` varchar(100) NOT NULL,

`ContactNumber` varchar(15) DEFAULT NULL,

`CommissionRate` decimal(5,2) DEFAULT NULL CHECK (`CommissionRate` > 0)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

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-- Table structure for table `clients`

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CREATE TABLE `clients` (

`ClientID` int(11) NOT NULL,

`Name` varchar(100) NOT NULL,

`ContactNumber` varchar(15) DEFAULT NULL,

`Email` varchar(100) DEFAULT NULL,

`Preferences` text DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

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-- Table structure for table `properties`

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CREATE TABLE `properties` (

`PropertyID` int(11) NOT NULL,

`Address` varchar(255) NOT NULL,

`City` varchar(100) NOT NULL,

`Type` varchar(50) DEFAULT NULL CHECK (`Type` in ('Residential','Commercial','Industrial')),

`Size` int(11) NOT NULL,

`Price` decimal(10,2) NOT NULL,

`Status` varchar(20) DEFAULT NULL CHECK (`Status` in ('Available','Sold','Rented'))

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

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-- Table structure for table `transactions`

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CREATE TABLE `transactions` (

`TransactionID` int(11) NOT NULL,

`PropertyID` int(11) DEFAULT NULL,

`AgentID` int(11) DEFAULT NULL,

`ClientID` int(11) DEFAULT NULL,

`TransactionType` varchar(10) DEFAULT NULL CHECK (`TransactionType` in ('Buy','Sell','Rent')),

`Date` date NOT NULL,

`Amount` decimal(10,2) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

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-- Indexes for dumped tables

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-- Indexes for table `agents`

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ALTER TABLE `agents`

ADD PRIMARY KEY (`AgentID`),

ADD UNIQUE KEY `ContactNumber` (`ContactNumber`);

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-- Indexes for table `clients`

--

ALTER TABLE `clients`

ADD PRIMARY KEY (`ClientID`),

ADD UNIQUE KEY `ContactNumber` (`ContactNumber`),

ADD UNIQUE KEY `Email` (`Email`);

--

-- Indexes for table `properties`

--

ALTER TABLE `properties`

ADD PRIMARY KEY (`PropertyID`);

--

-- Indexes for table `transactions`

--

ALTER TABLE `transactions`

ADD PRIMARY KEY (`TransactionID`),

ADD KEY `PropertyID` (`PropertyID`),

ADD KEY `AgentID` (`AgentID`),

ADD KEY `ClientID` (`ClientID`);

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-- Constraints for dumped tables

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-- Constraints for table `transactions`

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ALTER TABLE `transactions`

ADD CONSTRAINT `transactions\_ibfk\_1` FOREIGN KEY (`PropertyID`) REFERENCES `properties` (`PropertyID`) ON DELETE CASCADE,

ADD CONSTRAINT `transactions\_ibfk\_2` FOREIGN KEY (`AgentID`) REFERENCES `agents` (`AgentID`) ON DELETE CASCADE,

ADD CONSTRAINT `transactions\_ibfk\_3` FOREIGN KEY (`ClientID`) REFERENCES `clients` (`ClientID`) ON DELETE CASCADE;

COMMIT;

/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;

https://youtu.be/3bB76lBshf0