

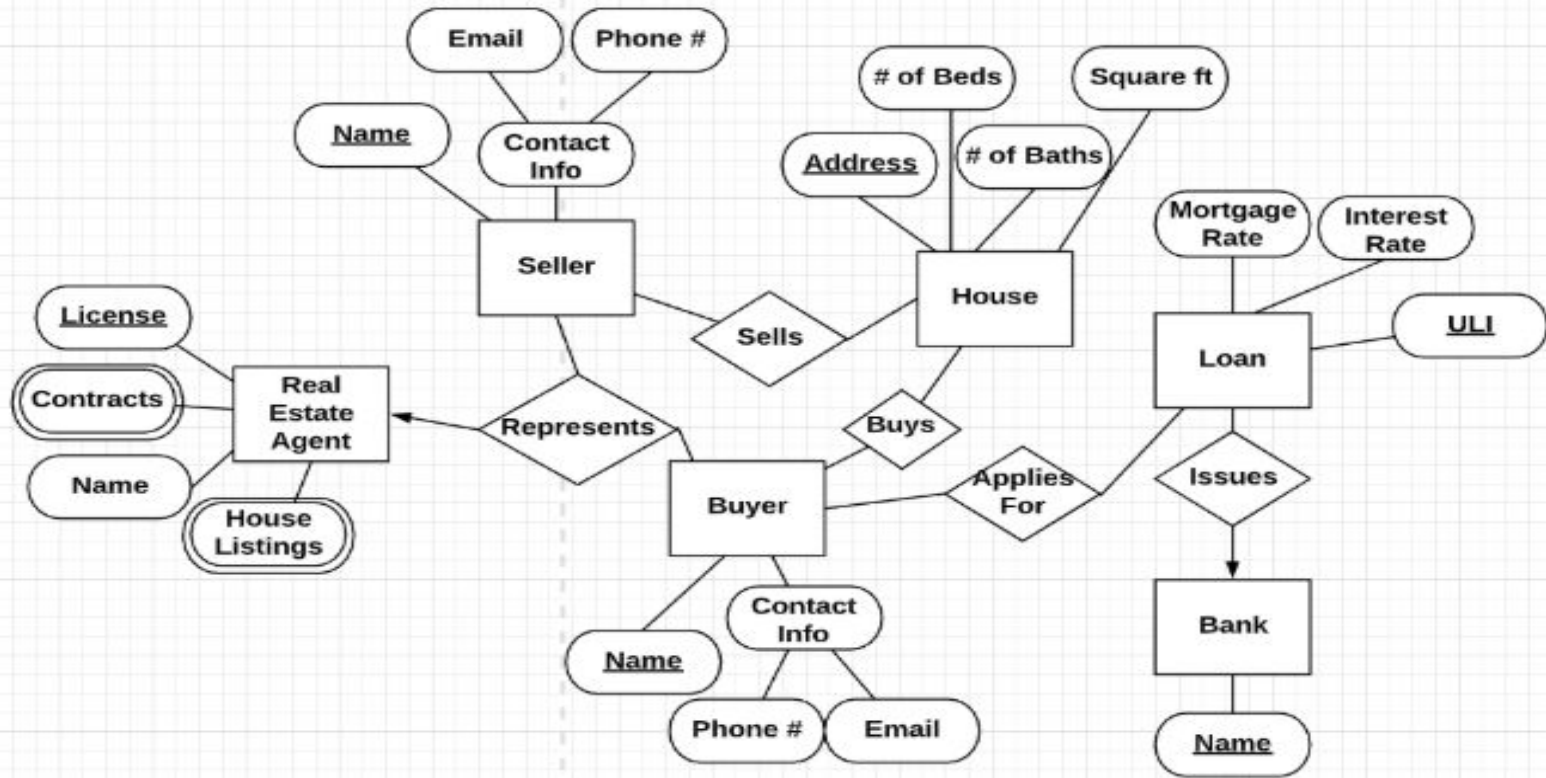
EECS 647 Final Project - Real Estate Network

Eric Seals, Kevin Dinh, and Blake Jordan

Project Description

- This database scenario is designed to create a social network for real estate purposes.
- This database allows users to view and update information concerning houses for sale, real estate agents, and loan opportunities.
- The entities involved are:
 - Buyers - Potential homeowners looking for a real estate agent to find houses for them
 - Sellers - Homeowners looking for a real estate agent to list their house for them
 - Real Estate Agents - Agents employed by buyers and sellers to assist the process of buying or selling houses
 - Banks - Financial institutions used for acquiring loans in order to buy houses

Conceptual Design



Website Overview

- Home Page
 - Users can search for:
 - House Listings by address
 - Buyers by last name
 - Sellers by last name
 - Real estate agents by name
 - Banks by name
 - Houses by last name of owner
 - Search ULI (universal loan identifier) by buyer last name
 - Sellers with multiple homes
- Admin Commands Page
 - Users can view:
 - Users in the database
 - Users can Add:
 - House Listings
 - Buyer profiles
 - Seller profiles
 - Real estate agents
 - Home Loans

Website Link:

<https://people.eecs.ku.edu/~kevdinh33/RealEstateDatabase/index.html>

Website Overview

- Website Link:
<https://people.eecs.ku.edu/~kevdingh33/RealEstateDatabase/index.html>
- Home Page (Search Fields):
- Admin Functions Page (Data Entry):

EECS 647 Database Scenario

Real Estate Network

Search House Addresses..	Go
Search Buyer Last Names..	Go
Search Seller Last Names..	Go
Search Real Estate Names..	Go
Search Bank Names..	Go
Houses Owned by Last Name..	Go
Enter Last Name to get ULI..	Go

Show Sellers with Multiple Homes

Admin Commands (Edit Database)

EECS 647 Final Project

Administration Functions

View Users

Add User

Add Buyer Profile

Add Seller Profile

Add Real Estate Agency

Add Home Loan

Return

Use Case #1 - Viewing House Listings

- Nancy is looking for a house to buy
- Nancy visits our site and searches for house listings by address
 - Nancy now has access to all the details she needs to schedule a house tour

Search House Addresses.. Go

123 Karens House Go

Address	SquareFootage	RoomNums	BathNums	OwnerID
123 Karens House	2000	5	2	

- If Nancy wants to find help in her home search, she can search for real estate agents by name

Search Real Estate Names.. Go

Katniss Go

License	Name	Contracts	AgentID
12346	Katniss	Agreement	1

Use Case #2 - Creating House Listings

- Karen is looking to sell her house
- Karen visits our site and enters the following information concerning her house:
 - Karen's contact info
 - Her house address
 - Her house's square footage
 - Her house's number of rooms
 - Her house's number of bathrooms
- Karen's house is now listed in our database and can be found via search by any potential buyer or real estate agent

Use Case #2 - Creating House Listings

Add Seller



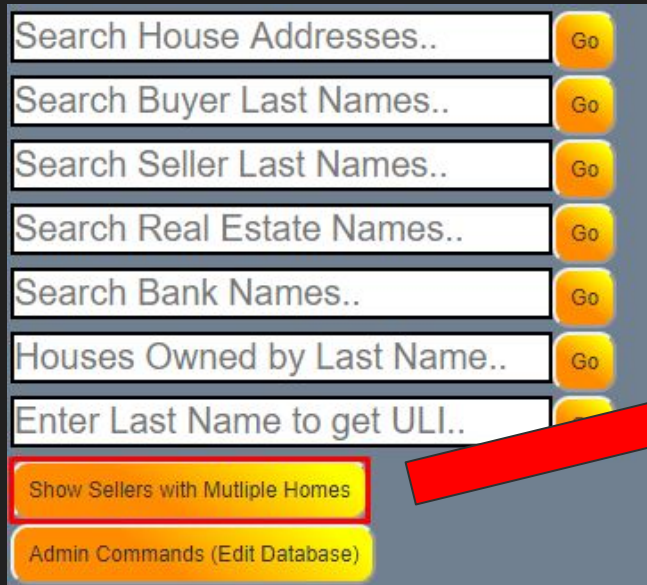
Seller has been successfully added.

"123 Karens House" Can now be searched from the homepage

Address	SquareFootage	RoomNums	BathNums	OwnerID
123 Karens House	2000	5	2	

Use Case #3 - Sellers With Multiple Homes

- Margaret wants to view sellers with multiple homes
 - She visits our site homepage and clicks “Show sellers with multiple homes”
 - Margaret is presented with a list of sellers with multiple homes



Search House Addresses.. Go

Search Buyer Last Names.. Go

Search Seller Last Names.. Go

Search Real Estate Names.. Go

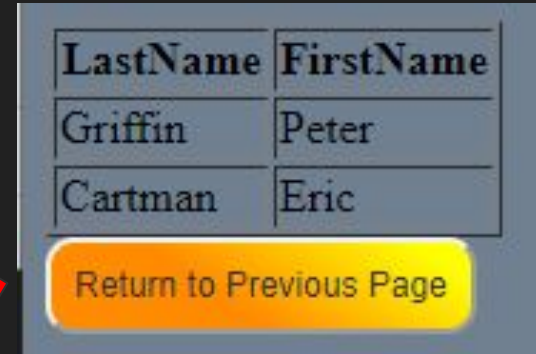
Search Bank Names.. Go

Houses Owned by Last Name.. Go

Enter Last Name to get ULI.. Go

Show Sellers with Mutiple Homes

Admin Commands (Edit Database)



LastName	FirstName
Griffin	Peter
Cartman	Eric

Return to Previous Page

Project Demonstration