EECS 647 Final Project - Real Estate Network

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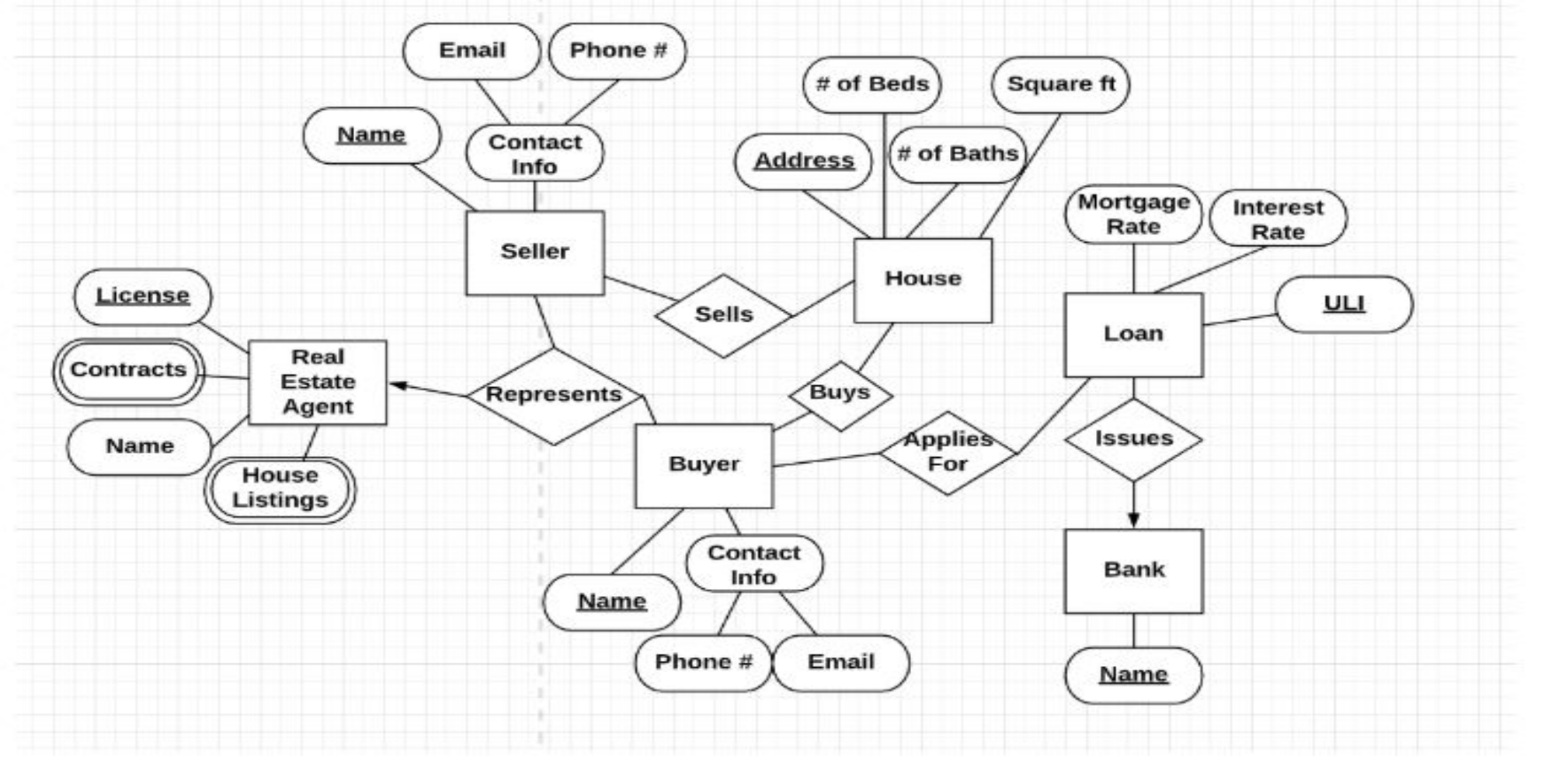
Project Description

- 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



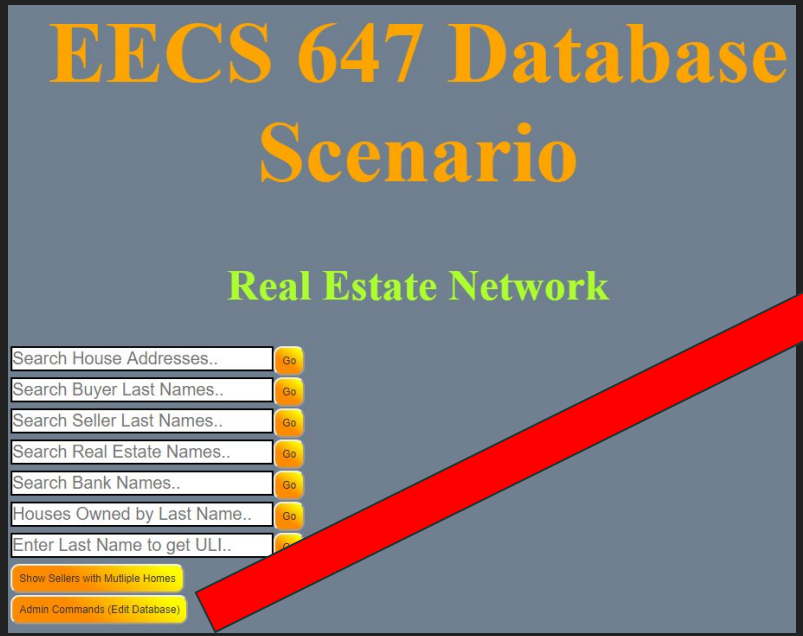
Website Overview

- 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

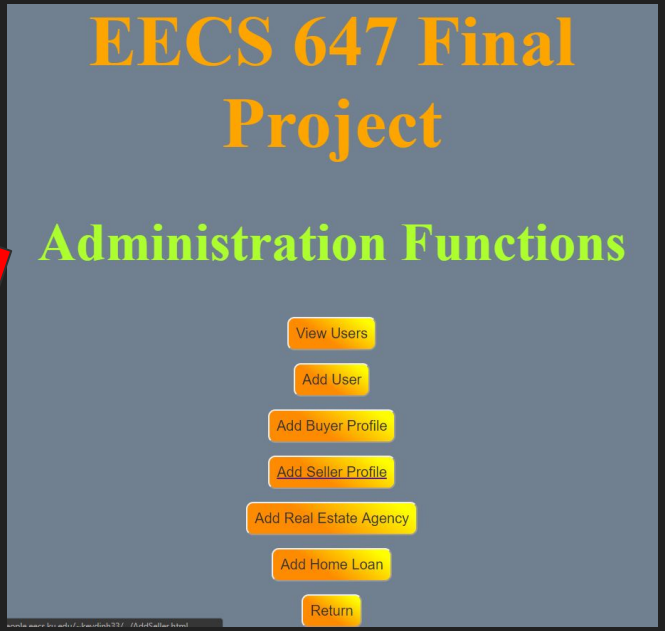
Website Link:
https://people.eecs.ku.edu/~kevdinh33/RealEstateDatabase/index.html

Website Overview

- Website Link: https://people.eecs.ku.edu/~kevdinh33/RealEstateDatabase/index.html
- Home Page (Search Fields):



- Admin Functions Page (Data Entry):

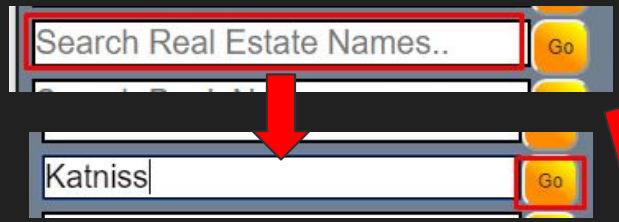


Use Case #1 - Viewing House Listings

- 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

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

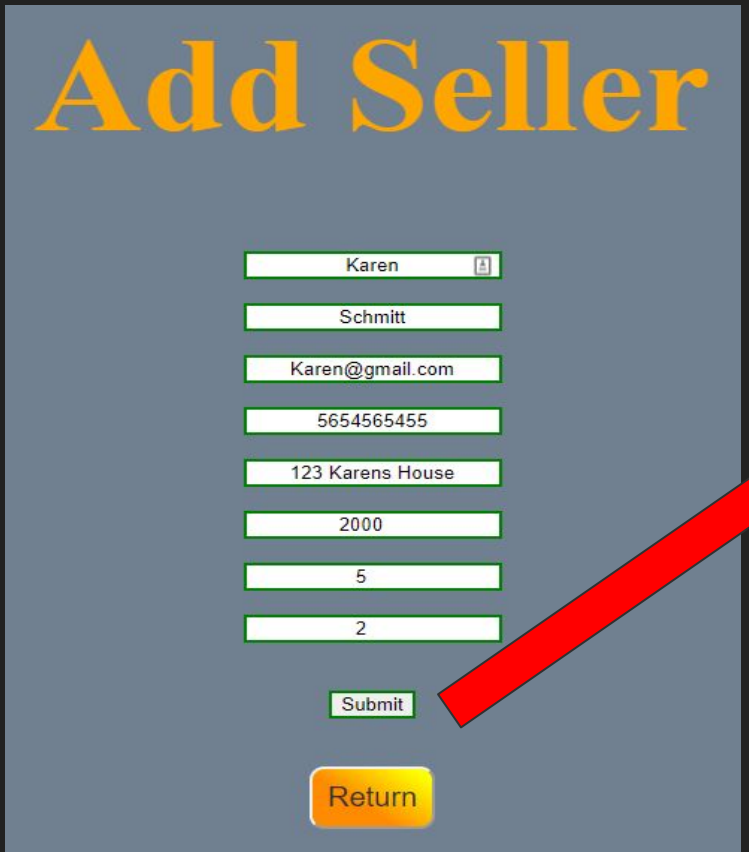


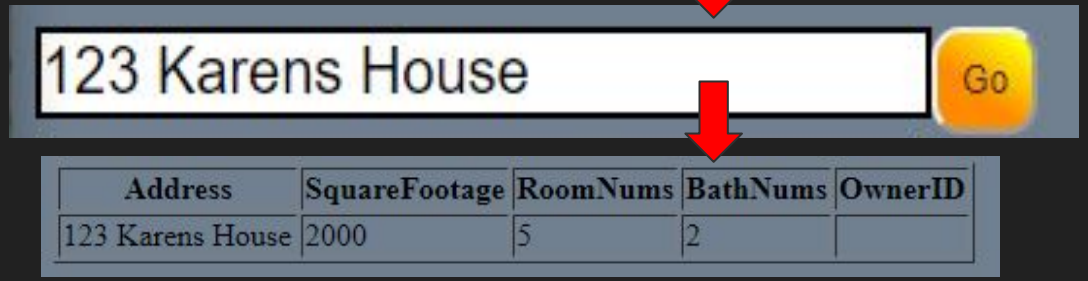
License	Name	Contracts	AgentID
12346	Katniss	Agreement	1

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

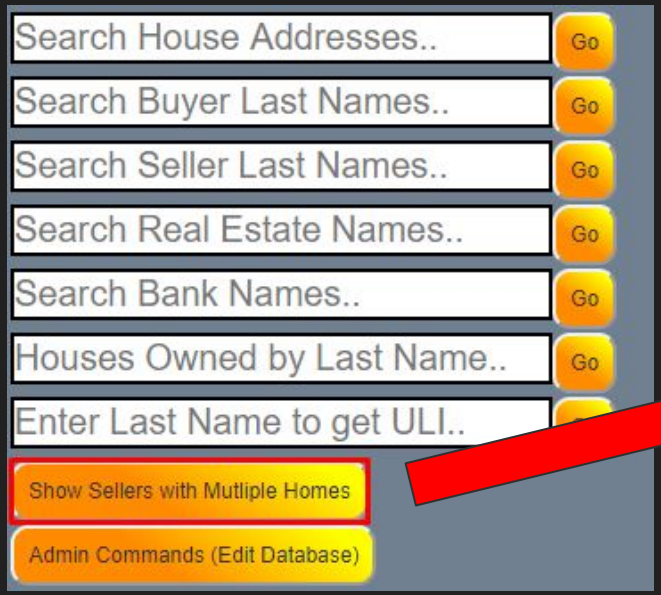
Use Case #2 - Creating House Listings

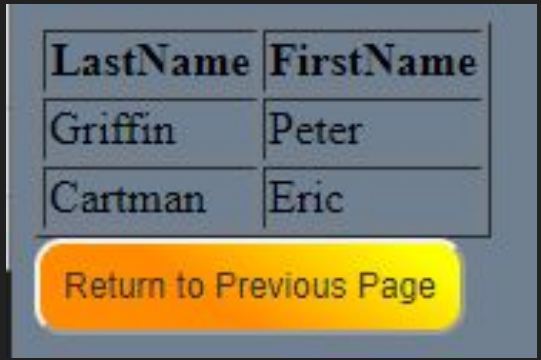




Use Case #3 - Sellers With Multiple Homes

- 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





Project Demonstration