Data Definition

* **Unregistered User**: user/users who either do not have an account or have not logged in on the site.
  + Can view listing and use the search bar.
  + They cannot use the messaging system and do not have access to the dashboard.
    - To access these features, an unregistered user must sign-in or register for an account.
* **Registered User**: is an admin, buyer, seller, or real estate agent.
  + For all registered users, they will need to provide:
    - First Name and Last Name
    - Email
    - Password (max: 25 characters)
  + For an agent, along with the previous information they will also need to:
    - Specify if they are from one of these agencies: SFStateHomes, SJStateRealtor, or CSURealEstate.
* **Admin**: user/users that can access all data and content.
  + Admin can modify the database through the MySQL Workbench.
* **Agent Account**: user/users that can view all **listings** and post it on the website.
  + Can modify their existing **listings**, use the messaging system to communicate with all available registered user’s information, has access to their own personal dashboard.
  + Needs to login/register.
* **Buyer account**: user/users that can view all the available **listings** and agent’s information.
  + Will be able to contact agents through a messaging system and has their own personal **dashboard**.
  + Needs to login/register.
* **Seller account**: user/users that can view all the available listings and agent’s information.
  + Will be able to contact agents through a messaging system and has their own personal dashboard.
  + Needs to login/register.
* **Comparisons**: a list showing **listings** near location of the real estate the user is currently viewing.
* **Message System**: a form of communication. All registered users will be able to:
  + Send and receive messages. Message consists of:
    - Intended recipient’s first and last name.
    - Message content (Max: 500 characters).
* **Dashboard**: a registered user interface that allows access to features such as:
  + Inbox
  + View registered listings (Seller account)
  + Add Listings (Agent account)
  + Log out
* **Filter**: Allows an unregistered user to narrows searches down by:
  + Price range
  + Number of specific types of rooms
    - Bathrooms
    - Kitchens
    - Bedrooms
  + Number of floors
  + Real Estate Type
    - Condo
    - Mansion
    - House
    - Apartment
* **Listings**: a real estate of which only the agent account can post.
  + Price
  + Description
  + Photo(s) (min: 1, max: 3)
  + Real Estate Type (Condo, Apartment, Mansion, House)
  + Keywords
    - Parking availability
    - Heating and cooling
    - Utilities
    - Number of rooms (specifying bathrooms, bedrooms, kitchens, living rooms)
* **Search Bar**: an application that allows users to find specific content on site
  + An unregistered user may search by city, zip code, and address