# 1. Use Cases V2:

**2.1.** ***Listing Agent posts properties for sale***

Company SFStateHomes recently completed construction of new apartments near the university and would like to **sell** these apartments with their **Listing Agents**.

Major steps identified are:

1. Company admin **creates an account** and the **company profile** if company is new to the application.
2. Company admin **creates listing agents** and listing agents log in to their accounts and create new **properties** in the application and **add** all new property details.
3. Properties are available to all users.

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| **Use Case:** | Listing Agent posts listing for sale on website |
| **Actor**: | User (Listing Agent) |
| **Description:** | Company SFStateHomes Listing Agents wants to sell their apartments by creating a property advertisement and post them on the website and make it available to all users |
| **Preconditions:** | Listing Agents must be created by Company admin |
| **Normal flow:** | System receives request and processes it. Records will be inserted to the Database. Property will be displayed on website. |

**2.2. *Customer wants to buy their preferred apartment***

An elderly couple (Mr. and Mrs. Müller) decided to move to a different city with better healthcare facilities. They would like to buy an apartment that is suitably located and elderly friendly. Major steps identified are:

1. Mrs.Müller creates an account (if she doesn't have any) or logs in to the system.
2. From all the properties available she would narrow down her search results to find one apartment near a hospital.
3. Once she finds the right apartment for her, she would contact the listing agent using the messaging service of the application to finalize the deal.

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| **Use Case:** | Listing Agent posts listing for sale |
| **Actor**: | User (Customer) |
| **Description:** | User searches with his predefined conditions for an apartment and creates an account to be able to buy it. To buy the property a listing agents has to be contacted to finalize the deal. |
| **Preconditions:** | User need an account or log in via Google or Facebook |
| **Normal flow:** | Enter keywords and search. Request goes to the database and the database returns the requested list of properties. User clicks on preferred property. Database return all the details for the property. Property opens in a different window for display. User can use the contact form (provided in the detailed property page). This message goes to listing agents and can also be seen via the user’s dashboard. |

**2.2.** ***User browses, searches and filters among all listed properties for buying***

Aleks moves to a city for his job. He wants to **buy an apartment** and wants to be sure that the apartment has **stable internet**. Major steps identified are:

1. Aleks **creates** an account (if he doesn't have any) or logs in to the system.
2. From all the **properties**, available he would narrow down his **search results** with all the **amenities** he needed also **sorts** in such a way it's giving cheapest one first.

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| **Use Case:** | Search for a property with specific requirements |
| **Actor**: | User (Visitor) |
| **Description:** | User wants to find place of interests by his chosen predefined conditions and sort them |
| **Preconditions:** | Must visit our website |
| **Normal flow:** | Enter search keyword for property, choose filters, click search. Records will be displayed to the database. Now can apply additional filters. |

**2.4.** ***Company wants to track sales for the last quarter***

Company wants to track the sale for the last quarter and generate a report to submit to the auditors.

1. Company’s Admin logs in to our application.
2. In the dashboard, the administrator will be able to see a visual representation of the sales for the last quarter.

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| **Use Case:** | Tracking sales for comapnies |
| **Actor**: | User (Company Admin) |
| **Description:** | Company Admin logs to our website to get access to his dashboard. Previous sale view is available for him to see. |
| **Preconditions:** | Company Admin has to register and log in |
| **Normal flow:** | Dashboard showing sales view which has been saved in the database. |