### Update Property

This Function will update Properties in the Properties Data Store, it will record all property Details.

Estate Agent

Owner

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| --- | --- | --- |
| **Use Case Name** | Add Property | |
| **Use Case Id** |  | |
| **Priority** | 1 | |
| **Source** | Estate Agent | |
| **Primary Business Actor** | Estate Agent | |
| **Other Participating Actors** | Owner | |
| **Description** | This function will add Property Details to system. | |
| **Preconditions** |  | |
| **Trigger** |  | |
| **Expected Scenario** | **Estate Agent** | **System** |
|  | **Step 1:** Invoke Update property  **Step 3:** Estate Agent enters Eircode for property to update.  **Step 6:** Estate Agent Updates Properties Data:   * Select Property Owner. * Select PropertyType. (from list) * houseName. (text) * Property Status (text) * rentalPrice. * Property Description. (text) * Total Rooms. (number) * Standard bedrooms. (number) * Ensuite bedrooms. (number) * Bathrooms. (number) * Garden space? (yes / no). * Parking Spaces? (number). * Pets allowed? (yes/ no). * Heating source (text). * Wifi Included? (yes/No). * Owner Occupied? (Yes/No) | **Step 2:** Display Update Property UI.  **Step 4:** Retrieve the properties details from the Properties data file.  **Step 5:** Populate Update Property UI with this data.  **Step 7:** Validate property data:   * House Name or Number must be entered. * Property type must be selected. * Owner must be selected. * rentalPrice must be positive number. * Status must be ‘A’ Available , ‘R’ Rented, or ‘U’ Unavailable. * Description must be entered. * Total Rooms be positive numeric & minimum 1. * Bedrooms must be positive numeric. * Bedrooms cannot exceed total rooms. * Ensuite bedrooms must be positive numeric. * Ensuite bedrooms cannot exceed total bedrooms & cannot exceed total bathrooms. * Bathrooms must be positive numeric. * Bathrooms, bedrooms cannot exceed total rooms. * Parking spaces must be positive numeric. * Heating source must be entered.   **Step 8:** Setproperty status to Available.  **Step 9:** Update data in Properties file.  **Step 10:** Display confirmation message.  **Step 11:** Reset UI. |
| **Alternate Scenarios** | **Actor** | **System** |
| **Eircode Search Field Returns None:** |  | **Step 4:** No Property with eircode found.  **Step 5:** display error message.  **Step 6:** return to step 3. |
| **Owner Search Field Returns None:** |  | **Step 6:** No Owner’s with typed surname found.  **Step 7:** display error message.  **Step 8:** return to step 6. |
| **Invalid Data Entered:** |  | **Step 7:** Invalid data entered.  **Step 8:** Display appropriate error message.  **Step 9:** Return to step 6. |
| **Conclusions** | This Property’s details have been updated on the system. | |
| **Post conditions** | This Property now has correct data. | |
| **Business Rules** | Property Status can be Available, Rented, or Unavailable.  Properties must have at least 1 room to be added. | |
| **Implementation Constraints** |  | |