

## **Home Page (Search and Filter):**

Input Field:

- Search Bar
  - Users can search for properties using Pincode, Property name and City name.
  - It accepts alphanumeric characters.
  - It is not case sensitive.
  - If left blank, then properties near the user's location will be displayed. (i.e Ahmedabad in our case)
- Filter Options
  - BHK: Users can select any one BHK via radio buttons.
  - Type: Users can select any type via radio buttons.
  - Facilities: Users can select multiple options via checkboxes.
  - Max Price: It accepts the numerical value as well as '+' and '-' sign
- After applying filters, only the properties that match the selected criteria are displayed.
- Clicking Discard Filters removes all applied filters and resets the property listing.

## **Equivalence Class Partitioning:**

Equivalence Class	Description
E1	No search Query is entered
E2	Search query is entered
E3	No BHK option is selected
E4	Any one BHK option is Selected
E5	No Type option is Selected
E6	Any one type option is Selected
E7	No Facility is Selected
E8	One or more Facility is selected
E9	Price Entered is more than equals to 0.
E10	Price Entered is less than 0.

## Test Cases

Test Case ID	Search Query	BHK	Type	Price	Facilities	Expected Outcome
TC_01	Blank	None	None	Blank	None	Properties near our Location Will be Displayed
TC_02	Surat	1	Rent	100000	Gym	Properties matching the string 'Surat' in their pincode, name or city , filtered by type as Rent, 1BHK, with a gym Facility and a price of 100000 or less will be displayed.
TC_03	Ah	None	None	-239	None	Properties matching the string 'Ah' in their pincode, name or city , filtered price of -239 or less will be displayed.
TC_04	sURAT	More than 4	none	+10000	Gym, Parking	Properties matching the string 'Surat' in their pincode, name or city , filtered by 4+ BHK, with a gym and parking Facility and a price of 100000 or less will be displayed.
TC_05	Blank	2	Sale	Blank	Gym, parking, Furnished ,Garden	Properties near our location Filtered by type as Sale , 2 BHK, with a gym, parking, garden and furnished Facilities will be displayed.
TC_06	38001	3	Sale	0	Garden, parking, ,garden	Properties matching the string '38001' in their pincode, name or city , filtered by type as Sale, 3 BHK, with a gym, parking and garden Facilities and a price of 0 or less will be displayed.