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| --- | --- |
| Use Case: | Simple Search |
| ID: | 101 |
| Scope: | House Hustler |
| Priority: | High |
| Summary: | Perform a quick search with limited parameters |
| Primary Actor: | User |
| Supporting Actors: | Zillow API, Google Maps API |
| Stakeholders: | Admins, Users |
| Generalization: |  |
| Include: | Display Homes |
| Extend: |  |
| Precondition: | User knows keyword requirements |
| Trigger: | User clicks search button |
| Normal Flow: | 1. The User inputs keyword requirements 2. The User clicks search button 3. The User executes the Display Homes use case 4. Makes API call with specified parameters |
| Sub Flows: |  |
| Alternate Flow/ Exceptions: | 1b. Keywords are filled from saved parameters  2b. User clicks search button  3b. Makes API call with specified parameters  3c. Requirements are not filled, error message displays |
| Post-Condition: | A list of search results is returned |
| Open Issues: |  |

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| --- | --- |
| Use Case: | Advanced Search |
| ID: | 102 |
| Scope: | House Hustler |
| Priority: | High |
| Summary: | Perform a search with more specific parameters than a simple search |
| Primary Actor: | User |
| Supporting Actors: |  |
| Stakeholders: |  |
| Generalization: | Simple Search |
| Include: | Display Homes |
| Extend: |  |
| Precondition: | User knows keyword requirements |
| Trigger: | User clicks search button |
| Normal Flow: | 1. User selects advanced search 2. User inputs keyword requirements and any extra information they want 3. User selects sort type 4. User clicks search button 5. The User executes the Display Homes use case 6. Makes API call with specified parameters |
| Sub Flows: |  |
| Alternate Flow/ Exceptions: | 1b. User fills keywords from saved parameters  2b. User clicks search button  3b. Makes API call with specified parameters  5c. Keyword requirements are not filled, error message displays |
| Post-Condition: | A list of search results is returned |
| Open Issues: |  |

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| --- | --- |
| Use Case: | Display Homes |
| ID: | 201 |
| Scope: | House Hustler |
| Priority: | High |
| Summary: | Displaying results of a search by specified criteria |
| Primary Actor: | User |
| Supporting Actors: |  |
| Stakeholders: |  |
| Generalization: |  |
| Include: |  |
| Extend: | Sort, Filter |
| Precondition: | A valid search has been initiated |
| Trigger: | The API returns a housing list |
| Normal Flow: | 1. The set of listings is inputted into a new list as the object “House” 2. The listings are sorted in the list based on the specified sort type 3. Displays results on the page |
| Sub Flows: |  |
| Alternate Flow/ Exceptions: | 1b. No listings meet the specified criteria, error message is displayed  2a. The User executes either the Sort or Filter use case (or both) |
| Post-Condition: | A list of sorted search results is displayed on the page |
| Open Issues: |  |

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| --- | --- |
| Use Case: | Filter |
| ID: | 202 |
| Scope: | House Hustler |
| Priority: | High |
| Summary: | Filters list based on further parameters specified on the results page |
| Primary Actor: | User |
| Supporting Actors: |  |
| Stakeholders: | Admins, Users |
| Generalization: |  |
| Include: |  |
| Extend: |  |
| Precondition: | A set of results is already displayed |
| Trigger: | User selects a filter and hits the “Apply” button |
| Normal Flow: | 1. 1. Filter the list based on new filter 2. 2. Returns the list to be displayed |
| Sub Flows: |  |
| Alternate Flow/ Exceptions: |  |
| Post-Condition: | A list of sorted search results is returned |
| Open Issues: |  |

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| --- | --- |
| Use Case: | Sort |
| ID: | 203 |
| Scope: | House Hustler |
| Priority: | High |
| Summary: | Sort list based on further parameters specified on the results page |
| Primary Actor: | User |
| Supporting Actors: |  |
| Stakeholders: | Admins, Users |
| Generalization: |  |
| Include: |  |
| Extend: |  |
| Precondition: | A set of results is already displayed |
| Trigger: | User selects some parameters to sort the list and hits the “Apply” button |
| Normal Flow: | 1. 1. Sorts the list based on new filter 2. 2. Returns the list to be displayed |
| Sub Flows: |  |
| Alternate Flow/ Exceptions: |  |
| Post-Condition: | A list of sorted search results is returned |
| Open Issues: |  |