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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: |  |
| Stakeholders: | Admins, Users |
| Generalization: | Perform a search |
| Include: | Advanced Search, Search Results |
| Extend: |  |
| Precondition: | User knows keyword requirements |
| Trigger: | User clicks search button |
| Normal Flow: | 1. User inputs keyword requirements 2. User Clicks search button 3. 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 SearchResults |
| 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: | Perform a search |
| Include: | Search Results |
| Extend: | Simple Search |
| 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. 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 to SearchResults |
| Open Issues: |  |

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| --- | --- |
| Use Case: | SearchResults |
| ID: | 201 |
| Scope: | House Hustler |
| Priority: | High |
| Summary: | Organizing results of a search by specified criteria to be displayed |
| Primary Actor: | User |
| Supporting Actors: | Zillow API, GoogleMaps API |
| Stakeholders: |  |
| Generalization: | Displaying sorted results |
| Include: | Sort, Filter |
| Extend: | Simple Search, Advanced Search |
| 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 |
| 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: | Filters list based on further parameters specified on the results page |
| Include: |  |
| Extend: | Search Results |
| Precondition: | A set of results is already displayed |
| Trigger: | User selects a filter and hits the “Apply” button |
| Normal Flow: | 1. 1. Sorts the list based on new filter 2. 2. Returns the list to SearchResults to be displayed |
| Sub Flows: |  |
| Alternate Flow/ Exceptions: |  |
| Post-Condition: | A list of sorted search results is returned to SearchResults |
| Open Issues: |  |