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| **Use Case Name:** Create rent posting | | | **ID**: UC-01 | | | **Priority**: High | |
| **Actor:** Property owner | | | | | | | |
| **Description:** The use case describes how an apartment owner creates a rent posting on the BCIT Student Housing. | | | | | | | |
| **Trigger**: Apartment owner wants to rent out his property to students, so he needs a posting on the collage site for advertisement.  Type: ✅ External 🞎 Temporal | | | | | | | |
| **Preconditions:**   * Apartment owner is authenticated * Database is active and running * The BCIT Student Housing system that provides the form and its interface is running. | | | | | | | |
| **Normal Course: Information for Steps:**   1. Property owner opens new rent posting request. 2. The property owner chooses the nearby campus to the property. 3. Property owner fills in the form with the information needed like:    1. location,    2. number of bedrooms,    3. monthly rent. 4. Request gets verified. 5. The information is stored in the database. 6. Posting becomes public for search. | | | | | **Information for Steps**  **Input:** Campus location.  **Output:** empty rent posting.  **Input:** location, number of bedrooms, monthly rent.  **Output:** new rent posting. | |
| **Postconditions:**   * New rent posting is created and stored in the database. * Posting becomes available for students to find through search. * The property owner gets notified that his property is successfully posted by email. | | | | | | |
| **Summary Inputs**  Campus location.  Location, number of bedrooms, monthly rent. | **Source**  Property owner  Property owner | **Summary Outputs**  Empty rent posting.  New rent posting. | | **Destination**  Campus housing system.  Data base | | |

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| **Use Case Name:** Search rent postings | | | **ID**: UC-02 | | | **Priority**: High | |
| **Actor:** Student | | | | | | | |
| **Description:** The use case describes how a student interacts with the BCIT Student Housing search system to find rent postings. | | | | | | | |
| **Trigger**: Student wants to find an apartment to rent near the campus with specific criteria.  Type: ✅ External 🞎 Temporal | | | | | | | |
| **Preconditions:**   * A student is authenticated * Database is active and running * The BCIT Student Housing web app is available and running. | | | | | | | |
| **Normal Course: Information for Steps:**   1. A student clicks on the search bar. 2. A student chooses filtering options like:    1. room counts    2. distance from campus    3. price range 3. When a student finds the right apartment, they can choose it on the list and see details. 4. The posting visits count gets updated in the database. | | | | | **Information for Steps**  **Input:** apartment filtering options like: room count, distance from campus, price range.  **Output:** descending rental units that fit the criteria the best.  **Input:** student chooses an apartment from the list  Output: detailed posting of that apartment  **Output:** updated view count for the posting in the database. | |
| **Postconditions:**   * The property owner gets notified that his property is being viewed by email. * User sees detailed posting of the rent unit. | | | | | | |
| **Summary Inputs**  Apartment filtering options  like: room count, distance from campus, price range.  Student chooses an apartment from the list | **Source**  Student  Student | **Summary Outputs**  Descending rental units that fit the criteria the best.  Detailed posting of that apartment  Updated view count for the posting in the database. | | **Destination**  Student  Student  Database | | |

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| **Use Case Name:** Rent post delisting | | | **ID**: UC-03 | | | **Priority**: Medium | |
| **Actor:** Property owner | | | | | | | |
| **Description:** The use case describes how an apartment owner delists the rental posting after the property is rented. | | | | | | | |
| **Trigger**: The rental property was rented out to a student, so the owner wants to delete the posting.  Type: ✅ External 🞎 Temporal | | | | | | | |
| **Preconditions:**   * The property is rented to a student. * Database is active and running * The call center is operating. * The property owner is authenticated by the call center representative * The BCIT Student Housing system is available and running. | | | | | | | |
| **Normal Course: Information for Steps:**   1. The owner requests the BCIT call center representative remove their posting. 2. The customer service representative uses BCIT Student Housing system to request deletion of the post. 3. The system changes the posting status in the database to unlisted and saves the records and deletion date of the listing to database. | | | | | **Information for Steps**  **Input:** rental post deletion request.  **Output:** deletion date  **Output:** new delisted status on the posting. | |
| **Postconditions:**   * The owner gets notified that his property is successfully delisted by email. * A student gets a congratulating email. | | | | | | |
| **Summary Inputs**  Rental post deletion request. | **Source**  BCIT call center representative  BCIT call center representative | **Summary Outputs**  deletion date  new delisted status on the posting. | | **Destination**  Database  Database | | |