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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**:  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. * The posting becomes available for students to find through search. | | | | | | |
| **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 student interacts with the BCIT Student Housing search system to find rent postings. | | | | | | | |
| **Trigger**:  Type: ✅ External 🞎 Temporal | | | | | | | |
| **Preconditions:**   * Student is authenticated * Database is active and running * The BCIT Student Housing web app is available and running. | | | | | | | |
| **Normal Course: Information for Steps:**   1. Student clicks on the search bar. 2. Student chooses filtering options like:    1. room count    2. distance from campus    3. price range 3. When student finds the right apartment they can choose it in the list and see details. 4. The property owner gets notified that his property is being view. 5. The posting visits count gets updates 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: chooses an apartment from the list  Output: detailed posting of that apartment  Output: updated view count for the posting in the database. | |
| **Postconditions:** | | | | | | |
| **Summary Inputs**  Apartment filtering options like: room count, distance from campus, price range.  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 | | |