

Use Cases for Campus Housing System

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: <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
Preconditions: <ul style="list-style-type: none">• 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: <ol style="list-style-type: none">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:<ol style="list-style-type: none">a. location,b. number of bedrooms,c. 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: <ul style="list-style-type: none">• 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	Source	Summary Outputs	Destination
Campus location.	Property owner	Empty rent posting.	Campus housing system.
Location, number of bedrooms, monthly rent.	Property owner	New rent posting.	Data base

Use Cases for Campus Housing System

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: <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
Preconditions: <ul style="list-style-type: none">A student is authenticatedDatabase is active and runningThe BCIT Student Housing web app is available and running.			
Normal Course: Information for Steps: <ol style="list-style-type: none">A student clicks on the search bar.A student chooses filtering options like:<ul style="list-style-type: none">room countsdistance from campusprice rangeWhen a student finds the right apartment, they can choose it on the list and see details.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: <ul style="list-style-type: none">The property owner gets notified that his property is being viewed by email.User sees detailed posting of the rent unit.			
Summary Inputs	Source	Summary Outputs	Destination
Apartment filtering options like: room count, distance from campus, price range.	Student	Descending rental units that fit the criteria the best.	Student
Student chooses an apartment from the list	Student	Detailed posting of that apartment	Student
		Updated view count for the posting in the database.	Database

Use Cases for Campus Housing System

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: <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal			
Preconditions: <ul style="list-style-type: none"> • 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: <ol style="list-style-type: none"> 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: <ul style="list-style-type: none"> • The owner gets notified that his property is successfully delisted by email. • A student gets a congratulating email. 			
Summary Inputs	Source	Summary Outputs	Destination
Rental post deletion request.	BCIT call center representative	deletion date	Database
	BCIT call center representative	new delisted status on the posting.	Database