

Project: **Grizz Housing**

User Stories & Use Cases

Presented to

Dr. Yaman R****

Prepared by

Gaby P, Ori O, Ruma Begum, Elli N, Kelly G

Oakland University

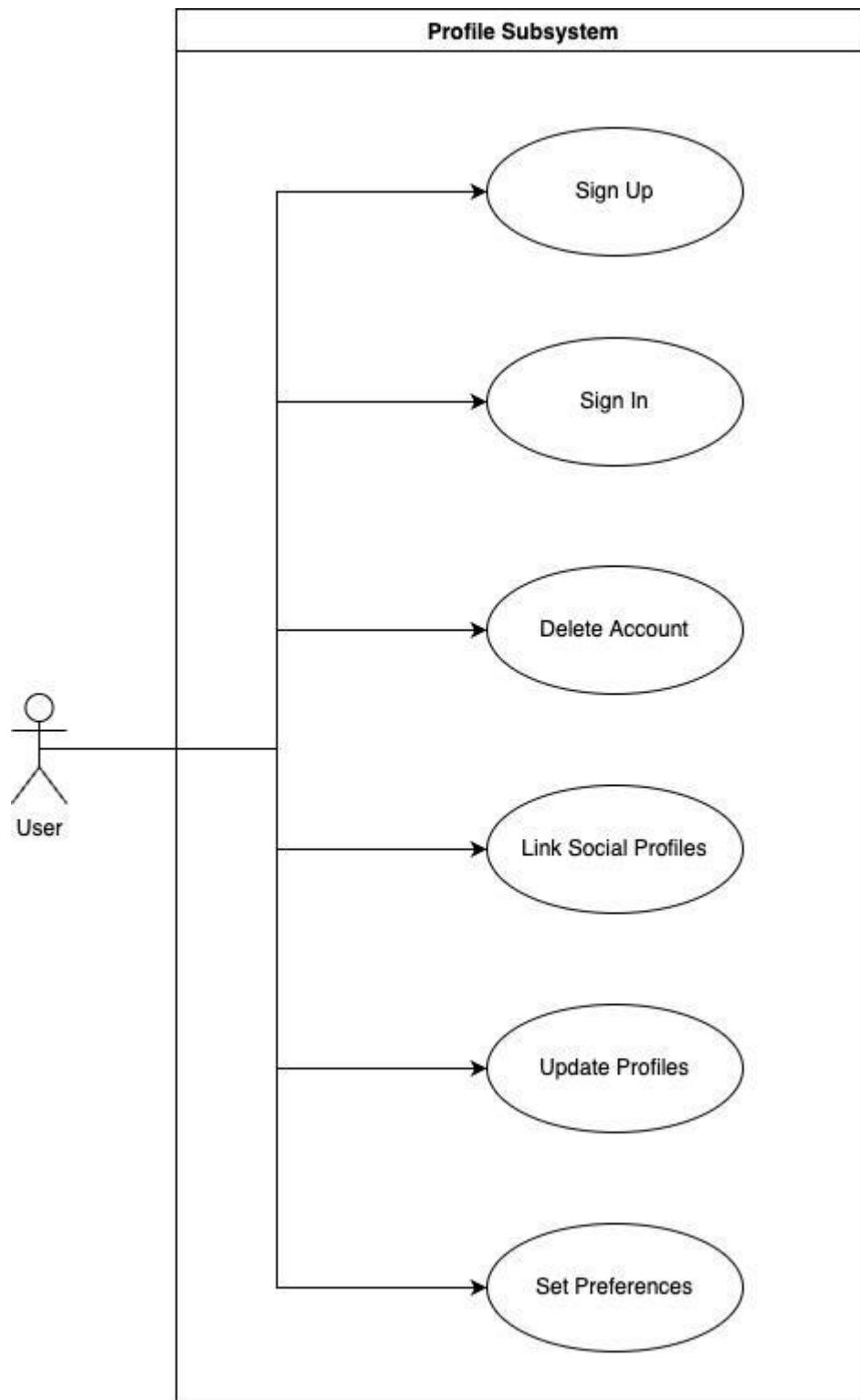
School of Business Administration

Subsystem: Profile

Use Case List

Name	Actor	Description
Sign up account	User	The user accesses the registration screen, enter their information (with OU email) to sign up for a new account
Sign in	User	The user hit the sign in button, which takes them to OU's authentication page, then brings the user back to app once successfully authenticated
Delete account	User	The user hit the request account deletion button to trigger the account deletion API
Link social profiles	User	The user signs into their social accounts (Facebook, Twitter, Instagram, etc.), and authorize linking to this app
Update profile	User	The user goes into the Profile Update screen to change their profile information, such as name, phone number, etc.
Update preferences	User	The user sets their preferred apartment/roommate type so that the system can use to match them with

Use Case Diagram

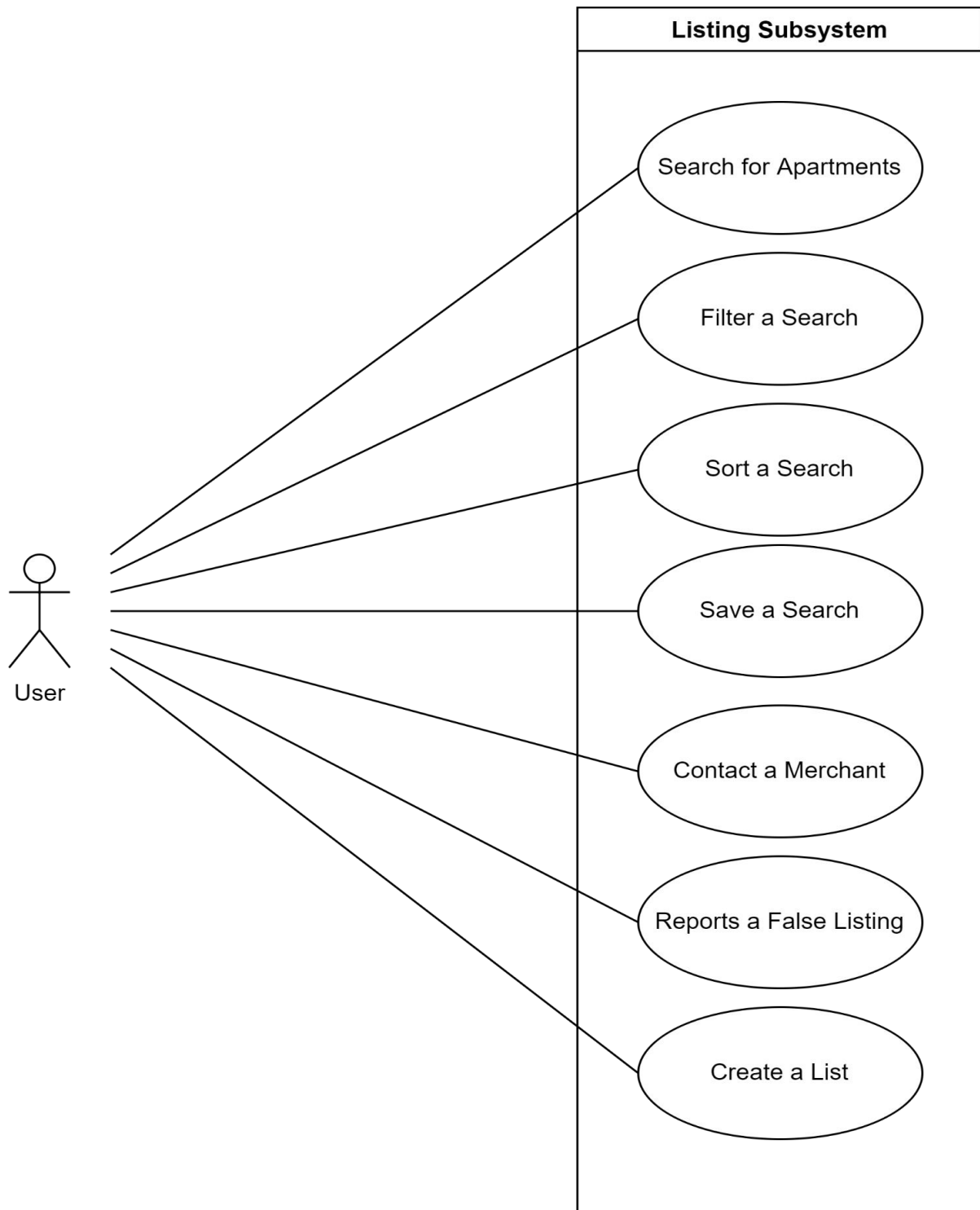


Subsystem: Listing

Use Case List

Name	Actor	Description
Search for Apartments	User	The user shall enter a location and select search to find available apartments in that location
Filter a Search	User	The user shall filter a search by price, number of bedrooms, home type, amenities. etc.
Sort a Search	User	The user shall sort a search in ascending or descending order by Price
Save a Search	User	The user shall save a search with the preset filter. The saved search will be available in the "My Saved Search" window
Contact a merchant	User	The user shall send a message to the merchant, using the message box provided in the apartment profile
Report a false listing	User	The user shall inform Grizz Housing about a problem with an apartment by selecting the report button and submitting a description of the problem.
Create a list	User	The user shall add apartments to a list. The user's lists will be available in the "My Lists" window. "My Lists" allows users to group apartments from different searches.

Use Case Diagram

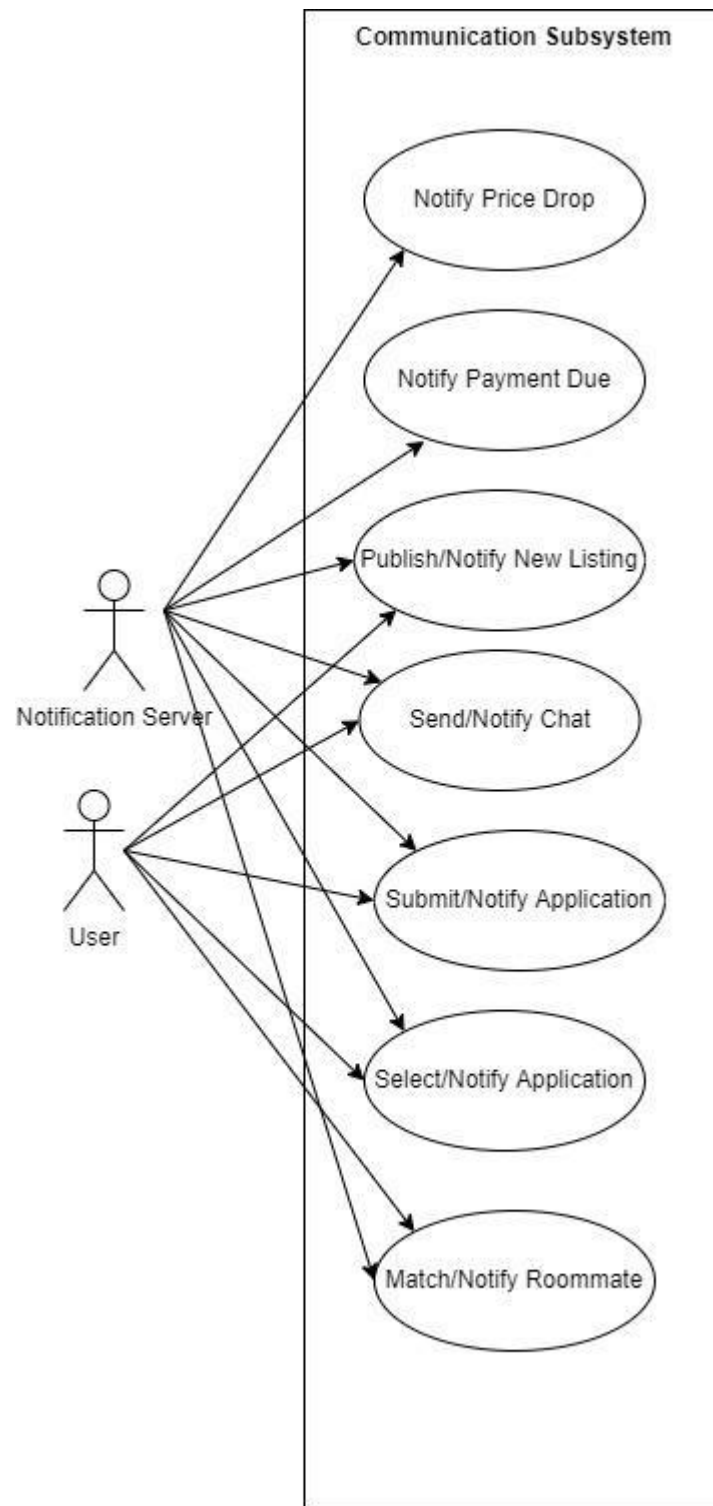


Subsystem: Communications

Use Case List

Name	Actor	Description
Notify Price Drop	Notification Server	The system notifies the user of a price drop in a favorited listing.
Notify Payment Due	Notification Server	The system notifies the user of a due payment.
Publish/Notify New Listing	User/ Notification Server	The user publishes a new listing by clicking "Publish" and the system notifies users of new listings.
Send/Notify Chat	User/ Notification Server	The user sends a chat to another user by using a chat room in the app, then the system notifies the other user of the chat.
Submit/Notify Application	User/ Notification Server	The user submits an application using a "Submit" button and the system notifies the appropriate user.
Select/Notify Application	User/ Notification Server	The user selects an application by clicking "Select" and the system notifies the appropriate user.
Match/Notify Roommate	User/ Notification Server	The user submits a roommate matching application by clicking "Match Roommate" and the system notifies a user of a roommate match.

Use Case Diagram



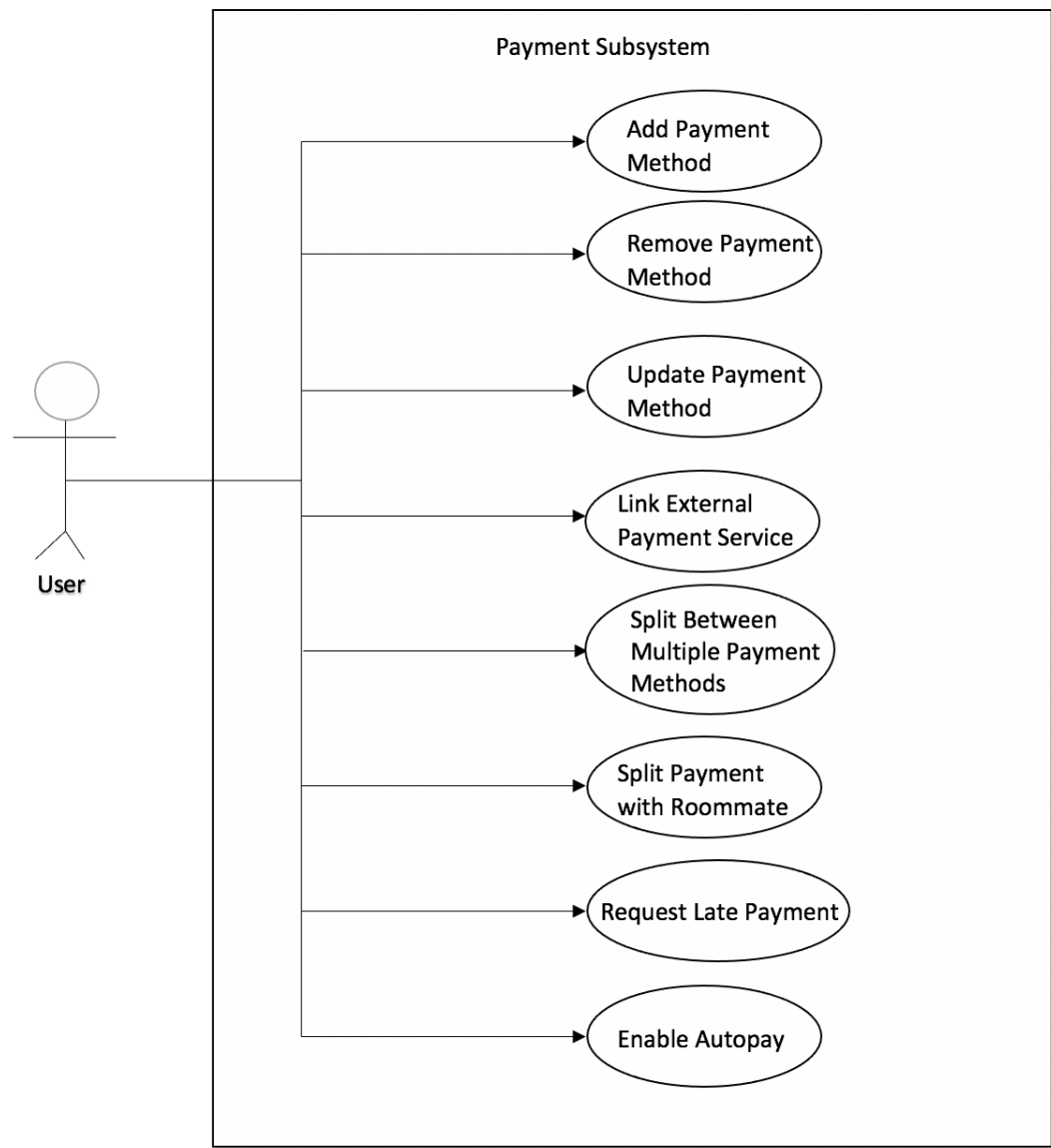
Subsystem: Payment

Use Case List

Name	Actor	Description
Add Payment Method	User	The user clicks on the “Add Payment Method” button which prompts them to add their card number, ccv, and expiration date.
Remove Payment Method	User	The user clicks on the “Remove Payment Method” to trigger the payment deletion API.
Update Payment Method	User	The user goes into the Payment Update screen to change their current payment method. This prompts them to enter their new card number, ccv, and expiration date.
Link with External Payment Service	User	The user clicks on the “Link with External Payment Service” which takes them to the page with different payment services (Paypal, Venmo, Cashapp). They sign into their preferred payment service and authorize linking to this app.
Split Payment Method (Between multiple payment methods)	User	The user clicks on the “Split Payment Method” which prompts them to enter the amount they will split between the two payment methods, the other card's number, ccv, and expiration date.
Request Late Payment	User	The user selects the “Request Late Payment” button which sends the request to their landlord.
Split Payment with Roommate	User	The user clicks on the “Split Payment with Roommate” button which prompts them to enter the amount they will split and the roommates information (Name, Card Number, etc.)

Enable Auto-Pay	User	The user clicks on “Enable Auto-Pay” which automatically takes the customer’s current payment method to charge.
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Use Case Diagram



Subsystem: Analytics and Reviews

Use Case List

Name	Actor	Description
Publish Review	User	The user shall click on the “Write a review” button. This opens the text editor, allowing them to add reviews to their experience at an apartment.
Edit Review	User	The user shall click the pencil icon next in the review page, allowing them to edit their previously written reviews.
Delete Review	User	The user shall be able to delete a review they have written if they wish.
Publish Comment	User	The user shall comment on reviews written by others, expressing their opinion on another individuals opinion.
Edit Comment	User	The user shall click the pencil icon next in the review page, allowing them to edit their previously written comments.
Delete Comment	User	The user shall be able to delete a comment they have written if they wish.
Rate Apartment	User	The user shall be able to add a star-scale rating to their review of an apartment.

Use Case Diagram

