USE CASES



Student Off-Campus Housing App: Unilink

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Content

Introduction	3
Legend	5
Account	6
A1: User Sign-Up	6
A2: User Sign-In	8
A3: User Logout	10
A4: Password Recovery	11
A5: Change Password	12
A6: Edit Personal Profile	14
A7: View User's Profile	15
Housing	16
H1: Create New Housing Post	16
H2: View Housing Post	17
H3: Edit My Housing Post	18
H4: Delete My Housing Posts	19
H5: Add Housing Posts to My Favorite List	20
H6: View Favorite List	21
H7: Remove Post from Favorites	22
H8: Sort Housing Posts	23
H9: Set Filter	24
H10: Search by Keyword	25
H11: View Recommended Houses List	26
Roommate	27
R1: Set Preference	27
R2: Set Visibility	28
R3: View Recommended Roommate List	29
R4: View Roommate Post	30
R5: Add Users to Your Roommate List	31
Chat	32
C1: Start a New Chat	32
C2: Open Existing Chat	33
C3: Clear Existing Chat	34

Introduction

Preparation to live off-campus has always been a frustrating task for college students. No need to explain the difficulty to find off-campus houses that have one's desired price, location, and design. It is also a problem to find matching roommates. Even after finding an off-campus house and roommates, students might still face problems such as the need to rent out their empty rooms during summer or after graduation. To help college students tackle these challenges, our team proposes Unilink. Unilink is an app to support students' off-campus housing by providing a platform where students can make rental deals with each other and find their matching roommates; furthermore, Unilink provides additional features to support users' decision-making on their housing and roommates, such as favorites and recommendations.

By using Unilink, students can easily post information about their housing that needs to be rented out and also easily find the housing that they want to live in. By filling in the basic information of ones' current housing, students can post their housing that has empty rooms to be rent out so that all users can view the information through Unilink. As the app presents all the posts in a concise and organized manner, students that seek for off-campus housing can find their best match by searching for specific keywords or sort by specific information, such as apartment name, price, or distances from campus. Once a student finds the housing they're interested, the app allows them to start a conversation with the poster to get into further details of that housing and start the deal personally.

Similarly, students can use Unilink to easily find their best-match roommates. By filling in ones' basic information and preference of roommates, students who seek for roommates will be presented to all other users. This way, students can find their best match from the abundant choices, also with the help of search and sorting. Once a student finds a roommate that they want to live with, they can contact that roommate

using Unilink and start the conversation within the app without disclosing personal information such as phone number or email.

Unilink also provides features such as favorites and recommendations to support students' decision-making on housing and roommate choice. When choosing off-campus houses and roommates, it is possible that the users are not able to make a decision from all the housing or roommate options. Unilink allows the users to select those options as their favorites so that they can easily view their favorites, or the options they're interested, and make the decision afterward without researching all of those posts again. When there are too many options given, it might be also hard for users to choose their best match. In this situation, Unilink will score the posts based on the users' preference, and recommend to the users the higher scoring posts which might be the ones that match to the users. With these functionalities of favorites and recommendations, Unilink allows users to easily make decisions on housing and roommates.

With the release of Unilink, students finally are able to not worry about their off-campus life and save their time from all the process of finding housing and roommates. By using Unilink, students can easily find the housing and roommates with which they can spend a great college life. Even after finding their housing and roommates, Unilink will continue to support students' housing issues by allowing them to post their housing that needs people to live next. As the name Unilink tells, Unilink will link the demand and the supply of students' housing and thus produce a better environment for students to live around the university.

Legend

Priority	High, Medium, Low
Status/Test Status	Planned, In-Progress, Implemented, Canceled
Viewer	Users who are looking for a housing or roommate
Poster	Users who post housing information
Favorite	A list of post that viewer selects from all the post that attracts him or her.
Chat	A message box that two users used to communicate.

Account

A1: User Sign-Up	back to top
Priority	High
Status	Implemented
Description	The user creates a new account using email address and password or Google account.
User Goal	The user wants to create a new account for the application.
Desired Outcome	The user has created an account that they can log in with their email and password or Google account.
Actor	Poster/Viewer
Dependent Use Cases	N/A
Requirements	SR A1
Pre-conditions	The user downloads and opens the application but does not have an account.
Post-conditions	The user has created a new account associated with email.
Trigger	The user wants to create an account to use this application.
Workflow	 The user shall click on the "Sign Up" button. The system shall render the sign up form. The user shall enter their email and password and re-enter the same password, then click on the "Sign Up" button. The system shall verify that the email is a valid email and verify the password is at least 6 characters long. The system shall render the "My Profile" page. The user shall set their avatar, name, gender, year of graduation and description about them. The system shall direct the user to the housing page.

Alternate Workflow

Use Google account:

- 1. The user shall click on the "Connect" button.
- 2. The system shall pop out a window to let the user choose or sign in their Google account.
- 3. The user shall choose or sign in their Google account.
- 4. The system shall render the "My Profile" page.
- 5. The user shall set their avatar, name, gender, year of graduation and description about them.
- 6. The system shall navigate the user to the housing page.

Empty Name:

- 1. The user inputs an empty name.
- 2. The system shall notify the user that the name is empty.

Invalid Email:

- 1. The user inputs an occupied email.
- 2. The system shall notify the user that the email is taken.

Invalid Email:

- 1. The user inputs an invalid email.
- 2. The system shall notify the user that the email is invalid.

Not matching Passwords:

- 1. The user inputs non-matching passwords.
- 2. The system shall notify the user that the passwords do not match.

A2: User Sign-In	back to top
Priority	High
Status	Implemented
Description	The user logs into their account using their email and password or Google account.
User Goal	The user wants to log in to the application with their account.
Desired Outcome	The user is logged into the application using their account.
Actor	Poster/Viewer
Dependent Use Cases	UC A1
Requirements	SR A2
Pre-conditions	The user has an account and is on the start page.
Post-conditions	The user can successfully login their account and will be brought to the housing page of the application.
Trigger	The user wants to log-in to their account.
Workflow	 The user shall click "Sign In" button. The system shall render Sign-in page. The user shall enter their email and password. The user shall click "Sign In" button. The system shall render housing page.
Alternate Workflow	Use Google sign in: 1. The user shall click "Connect" button. 2. The system shall pop out a window to let user choose or sign in their Google account. 3. The user shall choose or sign in their Google account. 4. The system shall navigate the user to the housing page. Invalid Email Format: 1. The user shall enter an email that is not in "xxx@xxx.xxx" format. 2. The system shall stay at the Sign-in page and prompt the user that "Please enter a valid Email!" Non-existing Account: 1. The user shall enter an email and a password which have not been registered. 2. The system shall stay at the Sign-in page and prompt the user that "Authentication failed." Too Short Password:

- 1. The user shall enter a password that is less than 6 characters.
- 2. The system shall stay at the Sign-in page and prompt the user that "Password is at least 6 characters long".

Incorrect Password:

- 1. The user shall enter an incorrect password that is longer than 6 characters.
- 2. The system shall stay at the Sign-in page and prompt the user that "Authentication failed".

A3: User Logout		back to top
Priority	High	
Status	Implemented	
Description	The user is able to log out of their account.	
User Goal	The user wants to be logged out of the application.	
Desired Outcome	The user is logged out of their account.	
Actor	Poster/Viewer	
Dependent Use Cases	UC A1, A2	
Requirements	SR A3	
Pre-conditions	The user is logged in to their account.	
Post-conditions	The user is logged out from their account.	
Trigger	The user wants to log out from the application.	
Workflow	1. The user shall click "Me" button. 2. The system shall render "Me" page. 3. The user shall click the "Log out" button. 4. The system shall bring the user to the start page.	
Alternate Workflow	N/A	

A4: Password Rec	A4: Password Recovery back to top	
Priority	Medium	
Status	Implemented	
Description	The user can recover password upon forgetting password.	
User Goal	The user wants to reset their password and logs into the app using the new password.	
Desired Outcome	The user changes their password.	
Actor	Poster/Viewer	
Dependent Use Cases	UC A1, A2	
Requirements	SR A4	
Pre-conditions	The user is on the Sign-in page or logged in to their account and on the "Change Password" page.	
Post-conditions	The user's password is reset.	
Trigger	The user forgets their password and wants to recover the account.	
Workflow	Recover password from Sign-in page: 1. The user shall enter their email and click the "Forget Password?" button. 2. The system shall verify the email format and the existence of the entered account. 3. The system shall send a password recovery email to the user and prompt "Your password reset link is sent to your email". 4. The user shall click on the link in their email and reset their password. 5. The system shall reset the password for the user. Recover password from "Change Password" page: 1. The user shall click the "Forget Password?" button. 2. The system shall send a password recovery email to the user and prompt "Your password reset link is sent to your email". 3. The user shall click on the link in their email and reset their password.	
Albarra N. Maralaffarra	The user shall click on the link in their email and reset their password. The system shall reset the password for the user.	
Alternate Workflow	Invalid Email Format: 1. The user enters an email with wrong format. 2. The system shall prompt "Please enter a valid Email!" Account does not exist: 1. The user enters a non-existing account.	
	The system shall prompt "Email is not found."	

A5: Change Passwo	back to top
Priority	Medium
Status	Implemented
Description	The user can change their password on "Me" page.
User Goal	The user wants to reset their password.
Desired Outcome	The password has been reset.
Actor	Poster/Viewer
Dependent Use Cases	UC A1, A2
Requirements	SR A5
Pre-conditions	The user is logged in to their account and on the "Me" page.
Post-conditions	The user can login with a new password.
Trigger	The user wants to change their password.
Workflow	 The user shall click the "Change Password" button. The system shall navigate the user to the "Change Password" page. The user shall enter their old password, new password and confirm password. The system shall verify the old password and new password. The system shall change the password and prompt that "Your Password has been Changed!" The system shall navigate the user to the Start page.
Alternate Workflow	Wrong Old Password: 1. The user shall enter a wrong old password. 2. The system shall stay on "Me" page and prompt that "The password is invalid or the user does not have a password". New Password Too Short: 1. The user shall enter a new password that is less than 6 characters. 2. The system shall prompt that "The given password is invalid: [Password should be at least 6 characters]". Confirm Passwords Not Match: 1. The user shall enter a confirm password that is different to new password entered. 2. The system shall stay on "Me" page and prompt that "Please make sure your new password is the same as your confirm password!". The user logins application using Google sign-in:

A6: Edit Personal P	rofile <u>back to top</u>
Priority	High
Status	Implemented
Description	The user will be able to edit their personal information.
User Goal	The user wants to be able to edit and display their profile information to other users.
Desired Outcome	The user will have edited their profile information.
Actor	Poster/Viewer
Dependent Use Cases	UC A1, A2
Requirements	SR A6
Pre-conditions	The user is logged in and on "Me" page.
Post-conditions	The user's profile is edited.
Trigger	The user wishes to edit their personal information
Workflow	 The user shall click the "Edit Profile" button. The system shall render the "Edit Profile" page with user's existing profile. The user shall edit the profile. The user shall click "SAVE" button. The system shall update information and navigate to Me page.
Alternate Workflow	Empty "Name" field: 1. The user shall enter an empty name. 2. The system shall prompt "Please enter a valid name!"

A7: View User's Pro	file <u>back to top</u>
Priority	High
Status	Implemented
Description	View any user's personal profile page.
User Goal	The user can view any user's profile.
Desired Outcome	The user views any user's profiles.
Actor	Poster/Viewer
Dependent Use Cases	UC A1, A2, A6
Requirements	SR A7
Pre-conditions	The user is logged in and is on any page with a user's avatar.
Post-conditions	The profile of the user whose avatar is clicked is rendered.
Trigger	The user wants to view any user's profile
Workflow	The user shall click on the avatar of the user whose profile the viewer wants to check. The system shall navigate the user to the corresponding user's profile page.
Alternate Workflow	N/A

Housing

H1: Create New Hou	using Post back to top
Priority	High
Status	Implemented
Description	The user can add their own housing post to the app.
User Goal	The user wants to add their own housing posts containing their releasing information.
Desired Outcome	A new housing post containing the user house's information is created.
Actor	Poster
Dependent Use Cases	UC A1, A2
Requirements	SR H1
Pre-conditions	The user is logged in and is on "Housing" page.
Post-conditions	A new housing post is added to the app.
Trigger	The user wants to create a new housing post.
Workflow	 The user shall click on "+" button. The system shall navigate to "Add Post" page. The user shall enter all information of their house. The user shall click "SUBMIT" button. The system shall navigate to "Housing" page and show the post that the user has just created with the other posts.
Alternate Workflow	Incomplete Post Information: 1. The user shall leave at least one required fields blank. 2. The system shall stay in the same page and prompt the user "Please fill in all the information".

H2: View Housing	Post <u>back to top</u>
Priority	High
Status	Implemented
Description	The user can view any user's housing post(s).
User Goal	The user wants to review existing housing post(s).
Desired Outcome	The user can view existing post(s).
Actor	Poster/Viewer
Dependent Use Cases	UC A1,A2, H1
Requirements	SR H2
Pre-conditions	The user is logged in and on "Housing" page.
Post-conditions	The certain housing post page is rendered.
Trigger	The user wants to view housing post(s).
Workflow	 The system shall render a list of housing posts. The user shall click on the post they wants to view. The system shall navigate to the corresponding housing post page.
Alternate Workflow	View posts from My Favorite: 1. The user shall click on "Me" button on the navigation bar. 2. The user shall click on "My Favorite" button. 3. The system shall navigate to "My Favorite" page. 4. The user shall click on the post they wants to view. 5. The system shall navigate the corresponding housing post page. View posts from My Post: 1. The user shall click on "Me" button on the navigation bar. 2. The user shall click on "My Post" button. 3. The system shall navigate to "My Post" page. 4. The user shall click on the post they wants to view.

H3: Edit My Housing	g Post <u>back to top</u>
Priority	High
Status	Implemented
Description	The user can edit their housing posts.
User Goal	The user wants to update their posts
Desired Outcome	The user can update the information of their posts.
Actor	Poster
Dependent Use Cases	UC A1, A2, H1
Requirements	SR H3
Pre-conditions	The user is logged in and is on "My Post" page. The user has created a housing post.
Post-conditions	The user's post is updated accordingly to the edit.
Trigger	The user wants to update their posts or fix some errors in their posts.
Workflow	 The user shall click the edit icon at upper-right screen. The system shall render an arrow at right of the post. The user shall click on the arrow. The system shall navigate the user to "Edit Post" page. The user shall edit the textural info or the picture of the post by changing the texts in the text fields or by delete or uploading a new picture. The user shall click on "SUBMIT" button. The system shall update the info of that post and navigate to "My Post" page.
Alternate Workflow	Incomplete Post Information: 1. The user shall leave at least one required fields blank and submit when the user edit posts. 2. The system shall stay in the same page and prompt the user "Please fill in all the information".

H4: Delete My Housing Posts back to top	
Priority	High
Status	Implemented
Description	The user can delete their post.
User Goal	The user wants to delete their post to stop promoting a house.
Desired Outcome	Housing post is deleted.
Actor	Poster
Dependent Use Cases	UC A1, A2, H1, H2
Requirements	SR H4
Pre-conditions	The user is on "My Post" page and there is at least one user post.
Post-conditions	Post is deleted and can no longer be seen by other users.
Trigger	 Poster reached agreement with a roommate or rentee and wants to stop promoting. Poster gives up all current activities and wants to stop receiving contact from other users.
Workflow	 The user shall click the edit icon at the upper-right screen. The system shall render a red symbol button at the left of each post. The user shall click the red symbol button. The system shall render a window prompt asking the user that "Are you sure you want to delete this post? The action cannot be reversed." The user shall click "DELETE" button. The system shall delete all data associated with the post and clear the post on "My Post" page.
Alternate Workflow	Cancel deletion: 1. The user shall click the edit icon at the upper-right screen. 2. The system shall render a red symbol button at left of each post. 3. The user shall click the red symbol button. 4. The system shall render a window prompt asking "This post is to be deleted. Are you sure?". 5. The user shall click "CANCEL" button. 6. The system shall remove the window prompt and stay at My Post page without making any change.

H5: Add Housing Posts to My Favorite List back to top	
Priority	Medium
Status	Implemented
Description	The user can add housing posts that they are interested into "My Favorite" so that they can quick access the posts later.
User Goal	The user wants to select and keep control of a personal list of posts that they will be focus on.
Desired Outcome	The user add a housing post to a favorite list.
Actor	Viewer
Dependent Use Cases	UC A1, A2, H1, H2
Requirements	SR H5
Pre-conditions	The user is properly logged in and on "Housing" page where some posts exists. Or the user is on a particular post page.
Post-conditions	Favorite icon at upper right of post is red and the user can find this post at favorite list page.
Trigger	The user is interested in particular posts.
Workflow	The user shall click the favorite icon at the upper right of a post. The system shall save the post to the user's favorite list The system shall make the favorite icon red.
Alternate Workflow	N/A

H6: View Favorite List back to top	
Priority	Medium
Status	Implemented
Description	The user can see a list of the favorite posts they saved previously.
User Goal	The user wants to see their favorite posts.
Desired Outcome	The user can see a list of their favorite posts.
Actor	Viewer
Dependent Use Cases	UC A1, A2, H1, H5
Requirements	SR H6
Pre-conditions	1.The user is logged in. 2.The user is on "Me" page.
Post-conditions	The user can see a list of their favorite posts.
Trigger	The user wants to see their favorite posts.
Workflow	 The user shall click on the "My Favorite" button. The system shall navigate to "My Favorite" page. The system shall render the favorite list on.
Alternate Workflow	N/A

H7: Remove Post from Favorites back to top		back to top
Priority	Medium	
Status	Implemented	
Description	The user can delete a housing post from their favorite I	ist.
User Goal	The user wants to remove a housing post from favorite	e list.
Desired Outcome	The user deletes a housing post from favorite list.	
Actor	Viewer	
Dependent Use Cases	UC A1, A2, H1, H2, H5, H6	
Requirements	SR H7	
Pre-conditions	The user is on My Favorite page, Housing page or partic	cular Post page.
Post-conditions	Deleted post disappears from user's favorite list.	
Trigger	The user loses interest in a housing post.	
Workflow	The user shall click the favorite icon on a post. The system shall remove the post from favorite list a favorite list page without the removed post.	and render a
Alternate Workflow	N/A	

H8: Sort Housing Po	osts <u>back to top</u>
Priority	Medium
Status	Implemented
Description	The user can sort the post they see according to specific criteria.
User Goal	The user wants to see posts in sorted order of specific feature.
Desired Outcome	The user sees posts in sorted order of specific feature.
Actor	Viewer
Dependent Use Cases	UC A1, A2, H1, H2
Requirements	SR H8
Pre-conditions	The user is on "Housing" page.
Post-conditions	The posts is sorted in specific order.
Trigger	The user wants to see the housing posts in a sorted order.
Workflow	 The user shall click the sort button at upper-right of the page. The system shall render a list of sorting criteria. The user shall choose "Price: low to high" or "Price: high to low" or "Term: long to short" or "Term: short to long" in the rendered list of criteria. The system shall apply the sorting and display posts based on the chosen criteria.
Alternate Workflow	N/A

H9: Set Filter	back to top
Priority	Medium
Status	Canceled
Description	The user can edit filters to see posts that satisfy certain requirements
User Goal	The user want to see posts that satisfy certain requirements
Desired Outcome	The user can edit the filter to see posts that meets requirements
Actor	Viewer
Dependent Use Cases	UC A1, A2, H1
Requirements	SR H9
Pre-conditions	The user is logged in and on "Housing" page
Post-conditions	The user successfully add/edit the filter setting
Trigger	The user only want to see posts that satisfy their basic needs
Workflow	 The user shall click the the filter button. The user shall choose the filter they want to apply. The system shall apply the filter and display posts that satisfy those filter.
Alternate Workflow	Cancel filter: 1. The user shall re-click the filter they have applied. 2. The system shall cancel the filter.

H10: Search by Keyword back to top	
Priority	Medium
Status	Canceled
Description	The viewer can search information by entering keyword.
User Goal	The user wants to search post by keyword.
Desired Outcome	The viewer will be able to view information about certain keyword.
Actor	Viewer
Dependent Use Cases	UC A1, A2, H1
Requirements	SR H10
Pre-conditions	The user is logged in and on "Housing" page.
Post-conditions	The searched results about the certain keyword will be listed.
Trigger	The viewer wants to view posts that contain certain keyword.
Workflow	 The user shall click on the search bar on top. The user shall enter the keyword they wants to search and click on the search button. The system shall render posts containing the keyword.
Alternate Workflow	N/A

H11: View Recom	mended Houses List back to top
Priority	Low
Status	Canceled
Description	The users can see a list of recommend housing provided by the system.
User Goal	The user want to see recommended houses.
Desired Outcome	Users can get recommended houses list that they may like.
Actor	Viewer
Dependent Use Cases	UC A1, A2, A6, H1
Requirements	SR H8
Pre-conditions	The user is logged in. The user fills out their preference about house.
Post-conditions	A list of recommended houses is shown in the app
Trigger	Users want to see a list of recommended houses they may like, rather than spending time in looking for houses themselves.
Workflow	 The user shall click on the "recommended houses" button. The system shall access the profile information of the user and use the algorithm to find the houses that the user may like out of all the posts. The system shows the list in the page.
Alternate Workflow	Not enough information: 1. The user shall not fill in all the information of their preference. 2. The system prompts that "Profile information not enough for this functionality", and provide a button "fill out information" which can redirect the user to the page of "editing profile".

Roommate

R1: Set Preference	back to top
Priority	High
Status	Implemented
Description	The user can set personal preference.
User Goal	The user wants to find their favorite roommates.
Desired Outcome	The system can get preference information of the user.
Actor	Viewer/Poster
Dependent Use Cases	UC A1, A2
Requirements	SR R1
Pre-conditions	The user is logged in and is on the "Me" Page.
Post-conditions	The system gets all necessary information to perform an evaluation on suitable roommates.
Trigger	The user wants to find suitable roommates.
Workflow	 The user shall click "My Preference" button. The system shall navigate the user to "My Preference" page. The user shall select all information on their preference and click Save button. The system shall save the user's preference data.
Alternate Workflow	User hasn't finished the preference form: 1. The user shall click on the Roommate button on navigation bar. 2. The system shall navigate the user to Roommate page. 3. The system shall render a prompt saying that "Without preference information, we are unable to provide you with the best possible roommate and you will be invisible to other users". 4. The user shall click "SET PREFERENCE" button. 5. The system shall navigate the user to My Preference page. Empty field: 1. The user shall click SAVE button while not finishing all required fields in the form. 2. The system shall prompt "Please finish the survey".

R2: Set Visibility	back to top
Priority	Medium
Status	Implemented
Description	The user can make their information visible in other users' roommate page.
User Goal	The user wants other users to see their information in roommate page.
Desired Outcome	All users can see user who set their status visible in roommate page.
Actor	Poster
Dependent Use Cases	UC A1, A2, R1
Requirements	SR R2
Pre-conditions	The user is logged in and is on Roommate page.
Post-conditions	The switch is on and the user's information appears on other users' Roommate page.
Trigger	The user wants other users to know about them in order to find suitable roommates.
Workflow	 The user shall click the "Visible to Others" switch at upper-right of the page. The system shall turn the "Visible to Others" key on. The system shall render the user's information on all other user's Roommate page.
Alternate Workflow	Roommate Preference Not Set 1: 1. The user shall click "Visible to Others" button at upper-right of the page. 2. The system shall render a prompt saying that "Without preference information, we are unable to provide you with the best possible roommate and you will be invisible to other users". 3. The user shall click "STILL LOOK AROUND" button. 4. The system shall stay at Roommate page with a roommate list without matching scores.
	Roommate Preference Not Set 2: 1. The user shall click "Visible to Others" button at upper-right of the page. 2. The system shall render a prompt saying that "Without preference information, we are unable to provide you with the best possible roommate and you will be invisible to other users". 3. The user shall click "SET PREFERENCE" button. 4. The system shall navigate the user to My Preference page.(R1)

R3: View Recomm	ended Roommate List back to top
Priority	Medium
Status	Implemented
Description	The user can view a list of roommates with matching score.
User Goal	The user wants to find suitable roommates.
Desired Outcome	Users can see a list of roommates with matching scores.
Actor	Viewer/Poster
Dependent Use Cases	UC A1, A2, R1, R2
Requirements	SR R3
Pre-conditions	 The user is logged in. The user has set preference information.
Post-conditions	A list of roommates is shown with matching scores
Trigger	The user wants to find suitable roommates.
Workflow	 The user shall click on the "Roommate" button on navigation bar. The system shall render the "Roommate" page. The system shall access the preference data of the user and generate matching score of each other users whose status is set to "visible to others". The system shall render a roommate list sorted by matching score on Roommate page.
Alternate Workflow	N/A

R4: View Roommate Post back to top	
Priority	Medium
Status	Implemented
Description	The user can view individual roommate post.
User Goal	The user wants to see detailed information of a roommate candidate.
Desired Outcome	The user sees detailed information of a roommate candidate.
Actor	Viewer/Poster
Dependent Use Cases	UC A1, A2, A6, R3
Requirements	SR R4
Pre-conditions	The user is on Roommate page and there is at least one roommate post.
Post-conditions	A roommate post page is rendered to the user.
Trigger	The user is interested in particular roommate candidate.
Workflow	The user shall click on a particular roommate post. The system shall navigate to the roommate page of this roommate.
Alternate Workflow	N/A

R5: Add Users to Your Roommate List back to top		
Priority	Low	
Status	Canceled	
Description	The user should be able to add other users to their roommates list once both parties agree, and their listing in finding roommates page should be automatically removed.	
User Goal	Confirm roommates to "reserve them" and avoid the potential conflict of roommates getting teamed up with others	
Desired Outcome	Users can successfully confirm other people as their desired roommates and have them reserved	
Actor	Viewer/Poster	
Dependent Use Cases	A2	
Requirements	SR R5	
Pre-conditions	The user has an account on the app. The user is logged in.	
Post-conditions	The finding for roommates posts of both users deleted	
Trigger	Users may want to confirm their roommates so that they cannot be matched or found with others	
Workflow	N/A	
Alternate Workflow	N/A	

Chat

C1: Start a New Chat back to top	
Priority	Medium
Status	Implemented
Description	The viewer can start a new in-app conversation with the poster.
User Goal	The viewer wants to contact the poster of the post they are interested in.
Desired Outcome	The viewer shall be able to type in messages and send to the poster
Actor	Viewer
Dependent Use Cases	UC A1, A2, A6, H2
Requirements	SR C1
Pre-conditions	The user is logged in and on a particular Housing Post page or roommate profile page.
Post-conditions	The user is on the chat page and can send a message to the poster.
Trigger	The viewer wants to contact the poster.
Workflow	 The user shall click Contact button. The system shall navigate the user to chat page with the specific poster. The user shall type in the message in the text field. The user shall click SEND button to send the message. The system shall render the user's message in green bar at right of the screen and notify the other user.
Alternate Workflow	N/A

C2: Open Existing Chat back to to	
Priority	Medium
Status	Implemented
Description	The user should be able to open previous conversations in order to contact the same user again.
User Goal	The user wants to talk to user who they have previously talked to.
Desired Outcome	The user can continue their conversation with the same user.
Actor	Viewer/Poster
Dependent Use Cases	A2, C1
Requirements	SR C2
Pre-conditions	1.The user has logged in. 2.The user has an existing conversation with another user.
Post-conditions	The user is able to see the previous conversations
Trigger	The user wants to contact another user who they have previously talked to.
Workflow	The user shall click on the "Chat" button on the navigation bar. The system shall render all the existing conversations.
Alternate Workflow	 The user shall click Housing button on navigation bar. The system shall navigate the user to Housing page. The user shall click a specific post. The system shall navigate the user to Post page of this post. The user shall click on Contact button. The system shall navigate the user to chat page to this specific poster.

C3: Clear Existing Chat back to top	
Priority	Medium
Status	Canceled
Description	The user will be able to clear an existing conversation with other user
User Goal	The user wants to delete unwanted chat messages.
Desired Outcome	The user is able to delete unwanted chat messages.
Actor	Viewer/Poster
Dependent Use Cases	UC C1, C2
Requirements	SR C3
Pre-conditions	The user is logged in and has existing chats and is on Message page.
Post-conditions	The deleted chat messages no longer exist.
Trigger	The user wants to delete a finished conversation
Workflow	The user shall choose an existing chat with other user. The user shall click "Clear Chat" button. The system shall clear chat messages with the user.
Alternate Workflow	N/A