

Software Engineering CSC 648/848 Spring 2021

Gator Connection

A One Stop Website for SF State Gators

Team 05

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Milestone 3

Milestone/Version	Date
M3V1	4/22/21

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Main Data Items & Entities V3

1. Unregistered User/ Guest

These are the people who aren't registered with the school system yet. They will be treated as guests, and would not be eligible for any of our student/staff services. This is an administrative task.

2. Registered User

A person who is registered with us using their email would have an account with us. They will follow the Create Account path. Their data is already registered with us, they will have the authority to create their password here.

3. Account

An account contains identification data about the registered user that created the account. The data identifies what type of registered user the user is, as well as helps authentication registered users for restricted features such as posting announcements.

- a) Student:** A student account gives registered users the ability to search housing listings, post restaurant reviews, and make purchase requests for posted items and housing listings.
- b) Admin:** An admin account gives registered users the power to post public announcements. Admin accounts are split into more specific roles as to more easily group announcements together when filtering/searching.
 - i) Sports/Athletics:** A registered user who has this type of account is in charge of a specific sport that he/she registered with.
 - ii) Organization/Club:** A registered user who has this type of account is in charge of a specific organization that he/she registered with.
 - iii) School Department:** A registered user who has this type of account is a part of SFSU staff.
- c) Super User:** A super user account gives registered users the power to approve restaurant additions, administrative account creation requests, and registered user account upgrade requests.

4. Notifications

Receiving notifications about housing, submissions, etc.

- a) **Housing Notifications:** Registered users will receive email notifications about housing such as if they receive a request for a listing.
- b) **Submission Notifications:** Registered users will receive email notifications about submissions such as if their account requests and restaurant requests have been approved or denied

5. Rate

This gives users the ability to rate various student organizations, restaurants. It'll prove to be a useful tool for fellow users.

- a) **Restaurants Rating:** Ratings that users can give restaurants from 1-10. The average of all ratings will be shown on the restaurants.

6. Review

Posts shown under restaurants made by registered users and above. Unregistered users can view these but they cannot rate or post a review.

7. Email

Being able to send emails to all of the users that are registered. This would be students and administration.

- a) **Housing emails:** A User who posted a listing of a house for sale will receive emails from people who are interested to purchase the listing.
- b) **Registration Verification email:** A User who creates an account will receive an email to their SFSU email saying that their account has been created
- c) **Reset password email:** An email which a user can request to reset their password

8. Announcements

Section designated to announcements that different departments make, along with the health centers, athletics, and organizations/clubs. These announcements are directly related to SFSU campus and only administrative users can post announcements.

- a) **Athletic Announcements:** Announcements made from athletic directors
- b) **Organization Announcements:** Announcements made from organizations
- c) **School Announcements:** Announcements made from the school

9. Restaurants

Section dedicated to restaurants around campus. Users can view, rate, and write reviews for that specific restaurant. Unregistered users can view these but they cannot rate or review.

10. Ecommerce/Listing

The main section where users can view the selected items for sale or housing available and make purchase requests for them. Registered users can post things for sale. Unregistered guests cannot view these items.

a) Items:

The item(s) listed for sale in the Ecommerce/Listing by a registered seller or for purchase by a registered buyer. Users can message the seller if they are interested in the item.

b) Housing:

The listing(s) of housing listed for sale in the Housing section. Users interested in a listing can fill out a form which includes their name, school year, SFSU email, and a little information about themselves. After filling out the form, the system will send out an email to the person who posted the listing, and it will be up to them if they wish to respond back.

Functional Requirements

Priority 1 Requirements:

- Guest User
 1. A guest user shall be able to search for restaurants by title.
 2. A guest user shall be able to sort restaurant listings by rating.
 3. A guest user shall be able to navigate through announcements.
 4. A guest user shall be able to create an account using his/her unique SFSU email account for a student account or a unique email account for an admin or super user account.
 5. A guest user shall be able to navigate to a map of SFSU.
 6. A guest user shall be able to search for items on sale by preferred payment.
 7. A guest user shall be able to search for items on sale by price.
 8. A guest user shall be able to search for items on sale by title.
- Registered User
 9. A registered user shall have all of the same permissions as guest users.
 10. A registered user shall be able to log in to his/her account using his/her unique SFSU email.
 11. A registered user shall be able to log in to his/her account using many devices.
 12. A registered user shall be able to log out of the website.
 13. A registered user shall be able to stay logged in if they have not logged out.
 14. A registered user shall be able to post reviews of restaurants/food.
 15. A registered user shall be able to make purchase requests for items.
 16. A registered user shall be able to search for items by preferred payment, price, etc.
 17. A registered user shall be able to see and search housing listings.
 18. A registered user shall be able to make a request for a housing listing.
 19. A registered user shall be able to edit a housing listing title he/she posted.
 20. A registered user shall be able to edit a housing listing description he/she posted.
 21. A registered user shall be able to edit a housing listing price he/she posted.
 22. A registered user shall be able to change a housing listing image he/she posted.
 23. A registered user shall be able to close a housing listing that he/she posted.
 24. A registered user shall be able to post many pending items for sale with pictures.
 25. A registered user shall be able to edit a post about an item for sale that he/she posted.
 26. A registered user shall be able to take down an item that he/she put up for sale.

- 27. A registered user shall be able to create a restaurant request to add a restaurant to the restaurants listing by providing the name of the restaurant and location.
- 28. A registered user shall be able to sort and search for restaurants by ratings/reviews.
- 29. A registered user shall be notified if their restaurant location has been approved or denied, with a message explaining why.
- 30. A registered user shall receive a notification about a house listing being closed if he/she had made a request to the house lister.
- 31. An upgraded registered user shall receive a notification when their administration privileges are taken away and why.
- 32. A registered user shall have a unique registered id.
- 33. A registered user shall be able to fill out a form for a housing request.
- 34. A registered user shall receive a notification if their housing post has been approved by email.
- 35. A registered user shall receive a notification if their housing post has been denied by email.
- 36. A registered user shall receive a notification if their post has been approved by email.
- 37. A registered user shall receive a notification if their post has been denied by email.
- 38. A registered user shall be able to request to upgrade his/her account to an administrative account with a valid organization, role, and organization by email.
- 39. A registered user shall receive a notification about purchase requests made on his/her account by email.
- 40. A registered user shall receive a notification about purchase requests made on items he/she posted for sale by email.
- 41. A registered user shall receive a notification about a house listing request for a house listing that he/she posted that includes information about the person who requested, such as his/her name and email address.
- 42. A registered user who requested an account upgrade shall receive a notification when the request has been approved and the date of when their administration privileges will be taken away by email.
- 43. A registered user who requested an account upgrade shall receive a notification when the request has been denied by email.
- Admin User
 - 44. An administrative user shall have all of the same permissions as registered users.
 - 45. An administrative user shall be able to post announcements.
 - 46. An administrative user shall be able to remove an announcement he/she had posted.
 - 47. An administrative user shall have a unique admin id.

- Super User
 - 48. A super user shall be able to log into the website.
 - 49. A super user shall be able to log out of the website.
 - 50. A super user shall have all of the same permissions as administrative users.
 - 51. A super user shall be able to approve/deny and close account upgrade requests,
 - 52. A super user shall be able to approve/deny and close administrative account creation requests.
- Sale Item
 - 53. A sale item shall be posted by a registered user.
 - 54. A sale item shall have a unique item id.
 - 55. A sale item shall have a title for the item.
 - 56. A sale item shall have a message describing the item.
 - 57. A sale item shall have one picture attached to it.
 - 58. A sale item shall be purchased by a registered user.
 - 59. A sale item shall be taken down by the registered user that posted it for sale.
 - 60. A sale item shall have a price.
 - 61. When a sale item is taken down, all registered users who made a request for the item shall be notified of the closure by email.
- Housing Listing
 - 62. A housing listing shall be posted by a registered user.
 - 63. A housing listing shall have a unique housing id.
 - 64. A housing listing shall have a title.
 - 65. A housing listing shall have a message describing the item.
 - 66. A housing listing shall have a price.
 - 67. A housing listing shall have at least 1 picture attached to it.
 - 68. A housing listing shall be taken down by the registered user that posted it.
 - 69. A housing listing shall be requested by many registered users.
 - 70. A housing listing shall have a form to fill out for interested users.
 - 71. A housing listing shall have a situation(available/close).
 - 72. When a housing listing is taken down, all registered users who made a request shall be notified of the closure by email.
- Housing Listing Form
 - 73. A housing listing form shall be filled out by a registered user.
 - 74. A housing listing form shall fill out their full name.
 - 75. A housing listing form shall fill out their school year.
 - 76. A housing listing form shall fill out their school email.
 - 77. A housing listing form shall fill out their phone number.
 - 78. A housing listing form shall have a section dedicated to “an about” me.
 - 79. A housing listing form shall have an expected day they want to move in.
- Restaurant

- 80. A restaurant shall have a name.
- 81. A restaurant shall have a location.
- 82. A restaurant shall have a unique restaurant id.
- 83. A restaurant shall have a rating.

- Restaurant Request
 - 84. A restaurant request shall be created by one and only one registered user and above.
 - 85. A restaurant request shall have the name of the restaurant.
 - 86. A restaurant request shall have the location of the restaurant.
 - 87. A restaurant request shall be confirmed/denied and closed by one and only one super user.
 - 88. When a restaurant request is confirmed/denied the registered user who made the request will be notified by email.
- Organization
 - 89. An organization shall be able to post announcements.
- Announcement
 - 90. An announcement shall be posted by one and only one administrative user or organization.
 - 91. An announcement shall be able to be viewed by one or many users.
 - 92. An announcement shall be able to be taken down by the one who posted it.

Priority 2 Requirements:

- Guest User
- Registered User
 - 1. A registered user shall be able to rate organizations.
 - 2. A registered user shall be able to change their rating of the organization.
 - 3. A registered user shall be able to post reviews under event announcements.
 - 4. A registered user shall be able change any reviews they have under event announcements.
 - 5. A registered user shall be able to rate a housing listing.
 - 6. A registered user shall be able to rate any of the item listings on sale.
 - 7. A registered user shall be able to change their rating of the item.
 - 8. A registered user shall be able to report housing listings and provide reasoning for the report.
- Admin User
- Super User

1. A super user shall be able to approve pending posts for restaurant reviews.
 2. A super user shall be able to reject pending posts for restaurant reviews.
 3. A super user shall be able to approve pending posts for items for sale.
 4. A super user shall be able to reject pending posts for items for sale.
 5. A super user shall be able to approve pending housing listings for sale.
 6. A super user shall be able to reject pending housing listings for sale.
- Sale Item
 1. A sale item shall be able to be approved by a super user.
 2. A sale item shall be able to be rejected by a super user.
 - Housing Listing
 1. A housing listing shall be able to be approved by a super user.
 2. A housing listing shall be able to be rejected by a super user.
 - Housing Listing Form
 - Restaurant
 1. A restaurant shall be able to have their rating changed.
 2. A restaurant shall have many reviews written by registered users.
 - Restaurant Request
 - Organization
 1. An organization shall be able to be rated by many registered users.
 2. An organization shall be able to have their ratings changed.
 - Announcement
 1. An announcement shall be able to be reviewed.
 2. An announcement shall be able to be rated.

Priority 3 Requirements:

- Guest User
- Registered User
- Admin User
- Super User
- Sale Item
- Housing Listing
- Housing Listing Form
- Restaurant
- Restaurant Request
- Organization

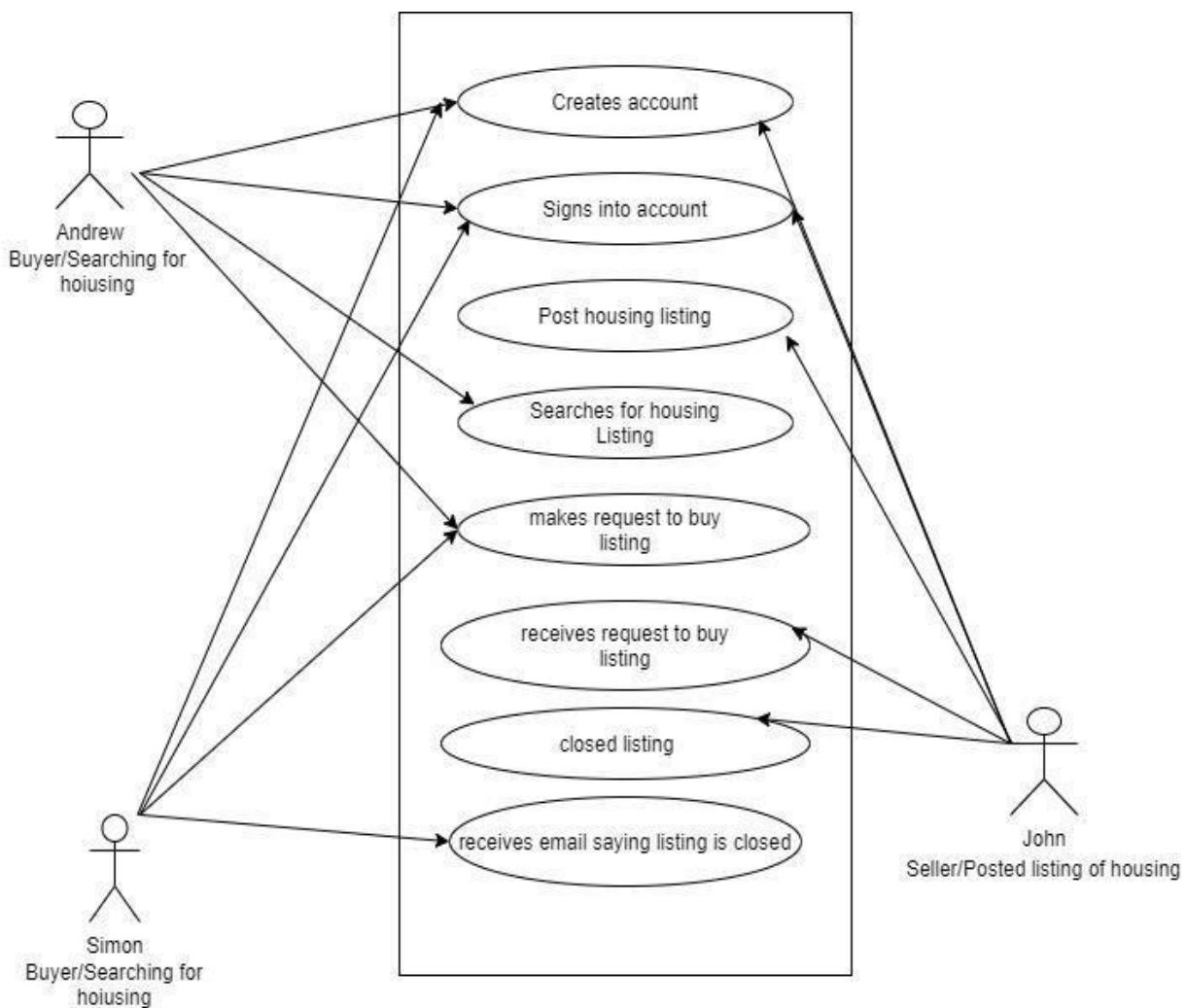
- Announcement

WireFrames

WireFrame #1 - Housing

Case 1: Freshman Student looking for housing at SFSU

Actors: Andrew(Buyer, Searching for housing), Simon (Buyer, Searching for housing), John(Seller, Posted listing of housing)



Action 1 and 2: Creating account/Signing into Account (Andrew, Simon, John)

Creating account/Signing into Account

The diagram illustrates the user flow for creating an account on the Gator Connection website. It starts with a screenshot of the website's header and main navigation bar. Below this, a large callout box contains two sections: a screenshot of the 'Register' form and a descriptive text box.

Website Header:

- LOGO placeholder
- Home
- announcements
- Shop v
- Restaurants
- Map
- Log In
- Register

Gator Connection

Register Form Screenshot:

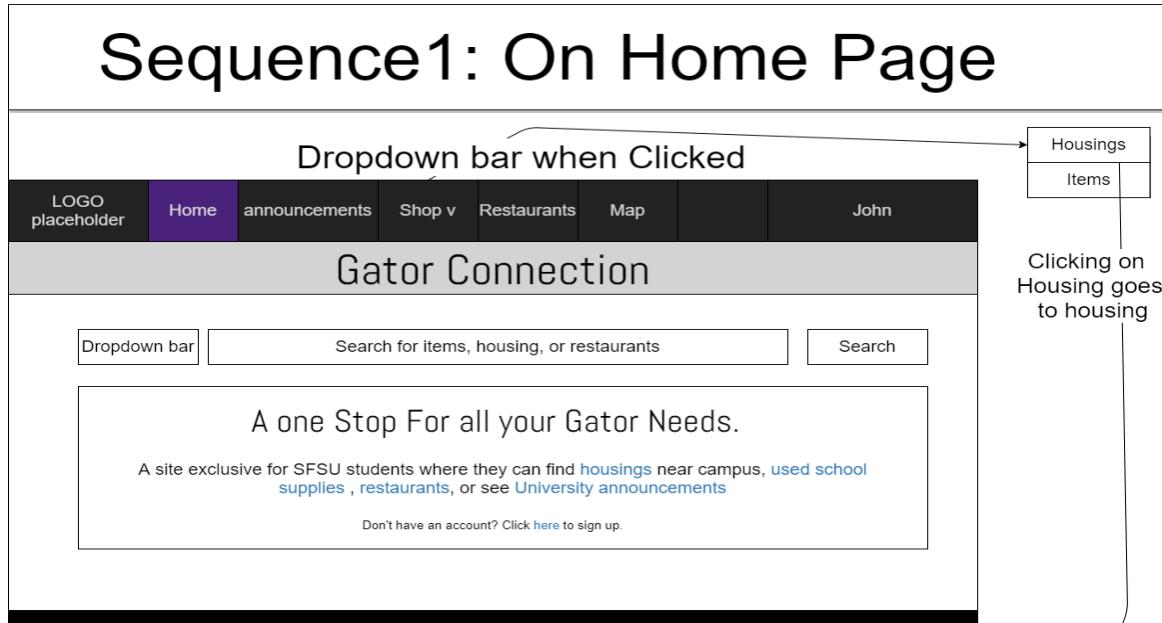
Register		
Student (On student)	Admin	Super User
By registering, you agree to Gator Connection's Terms and conditions.		
<input type="text"/> First Name		
<input type="text"/> Last name		
<input type="text"/> SFSU Email		
<input type="text"/> Graduation Year		
<input type="text"/> Password		
<input type="button" value="Register"/>		
Already have an account? Click here to sign in		
<input type="button" value="Close"/>		

Description of Process:

Simon, Andrew, and John proceed to enter their first name, last name, SFSU email, graduation year, password into the respective boxes. They then click register to finish making their account. Our System then automatically logs them in as well.

Action 3: Post Housing Listing
(Wireframe shown as John)
(To get to Housing, click on the Shop tab)

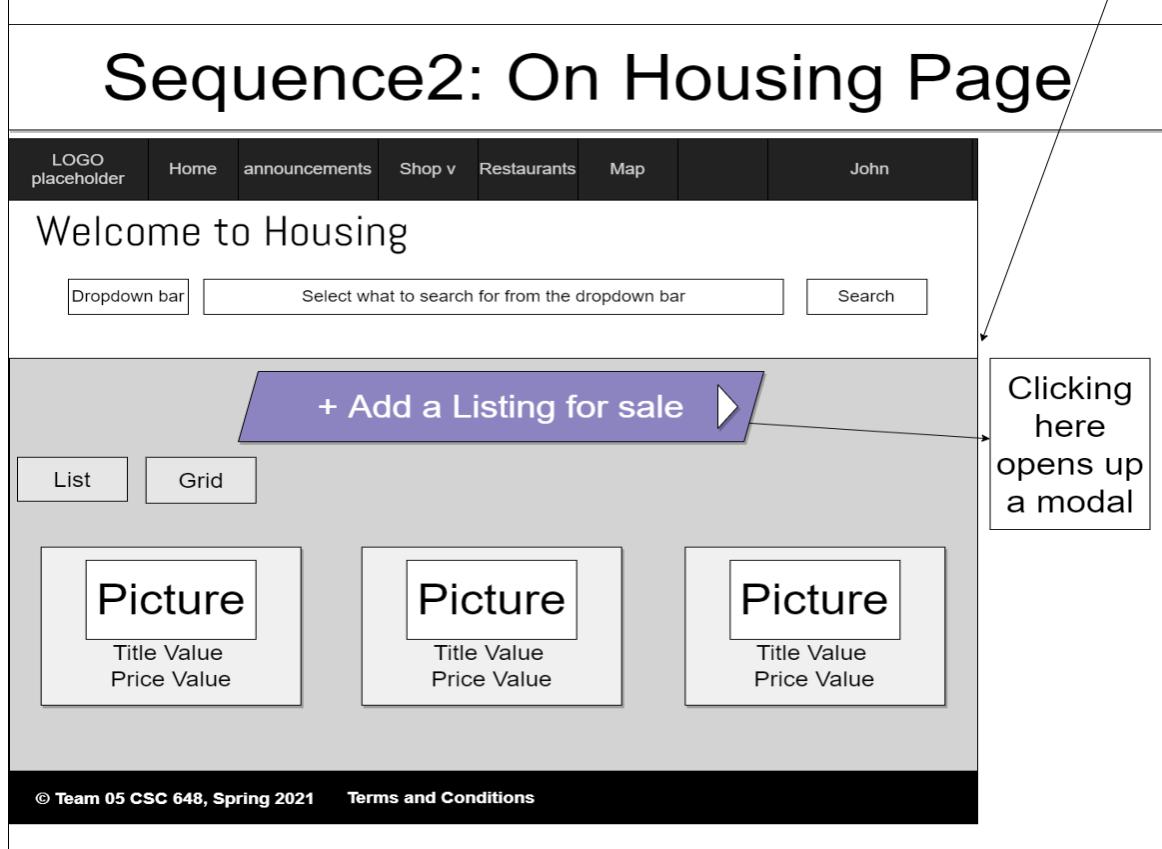
Sequence1: On Home Page



The wireframe shows a top navigation bar with a logo placeholder, Home, announcements, Shop v, Restaurants, Map, and a dropdown menu for John. Below the navigation is a banner for 'Gator Connection' with a search bar. A central content area contains a welcome message and links to housing, school supplies, restaurants, and announcements. At the bottom is a footer with copyright information.

Clicking on Housing goes to housing

Sequence2: On Housing Page



The wireframe shows a top navigation bar identical to the Home page. Below it is a 'Welcome to Housing' section with a search bar and buttons for List and Grid. A prominent purple button labeled '+ Add a Listing for sale' with a right-pointing arrow is centered. Below this are three listing cards, each showing a picture and fields for Title Value and Price Value. A callout box points to the '+ Add a Listing for sale' button with the text: 'Clicking here opens up a modal'.

Clicking here opens up a modal

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Sequence3: Inside Modal Box

Post a Listing X

Title:

Pricing: \$

Zip Code: Number:

Street:

Description:

Preferred method of Payment: Dropdown bar

Pets Allowed: yes no

Upload Images: no file chosen

Submit

Close

Upload picture box

clicking here submits the housing post

```
graph LR; Submit[Submit] --> Upload[Upload picture box]; Choose[choose file] --> Click[clicking here submits the housing post]
```

**Action 4 and 5: Search for Housing Listing/Make Request to buy Listing
(Wireframe shown as Andrew)**
(To get to Housing, click on the Shop tab)

Sequence1: On Home Page

The wireframe shows the Home Page layout. At the top is a navigation bar with a logo placeholder, a purple 'Home' button, and other dark buttons for 'announcements', 'Shop v', 'Restaurants', and 'Map'. A user profile for 'Andrew' is on the right. Below the navigation is a grey header bar with the text 'Gator Connection'. Underneath is a search bar with a dropdown button, a search input field, and a 'Search' button. A large central box contains the text 'A one Stop For all your Gator Needs.' and a sub-section about SFSU student resources. At the bottom is a footer bar with copyright information and links to 'Terms and Conditions'.

Dropdown bar when Clicked

Clicking on Housing goes to housing

Sequence2: On Housing Page

The wireframe shows the Housing Page layout. It features a similar navigation bar at the top. The main content area starts with a 'Welcome to Housing' message. Below it is a search bar with a dropdown button and a 'Search' button. A prominent blue button labeled '+ Add a Listing for sale' with a right-pointing arrow is centered. Below this are two buttons for 'List' and 'Grid' view. Three listing cards are displayed, each with a 'Picture' placeholder, a title, and price values. To the right of the third listing card is a callout box stating 'Clicking this picture goes into John's Listing'. The footer is identical to the Home Page's footer.

Clicking this picture goes into John's Listing

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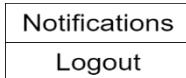
Sequence3: On John's Listing, and replying to John

The screenshot shows a web page with a dark header bar containing links for "Home", "announcements", "Shop v", "Restaurants", "Map", and "Andrew". Below the header is a listing card. The listing card has a placeholder for "Pictures here, placed into a carasoul for pictures" with left and right arrows. To the right of the image placeholder is the title "Title Value Here" and price "Price Value Here". Below the title and price is a bulleted list of details: "Description: DESCRIPTION OF HOUSING HERE", "Preferred Payment Type: PREFERRED PAYMENT HERE", "Pets Allowed: PETS ALLOWED VALUE HERE", and "Address: ADDRESS HERE". A purple button labeled "+Interested?" is located at the bottom right of the listing card. At the very bottom of the page is a black footer bar with the text "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions".

The screenshot shows a modal window titled "Tell us about yourself!". It contains fields for "enter first name", "enter last name", and "enter sfsu email". There is also a "Graduation Date:" field with a date input. Below these fields is a text area labeled "Tell us about yourself:". At the bottom of the form are "Submit" and "Close" buttons. To the right of the modal, there is a callout box with the text "Our system sends email to owner of listing, so in this case, John". Arrows point from the "+Interested?" button on the listing page to both the "Submit" button and the callout box.

Action 6: Receive Request to buy Listing (Wireframe shown as John)

(To get to notifications, click on the top right, where the username is, it shows a dropdown bar like the one below, then click on notifications)



The wireframe shows a user interface for managing notifications and requests. At the top, there is a navigation bar with a logo placeholder, links for Home, announcements, Shop v, Restaurants, Map, and a dropdown for the user "John". The main content area is divided into two sections: "Notifications" on the left and "Requests" on the right. In the "Notifications" section, a message says "You have a notification from housing" with a timestamp "TIME VALUE HERE". Below this, another message says "Notification from Simon as well". In the "Requests" section, a message says "Andrew is interested in your housing. Here is his contact info: xxxxxxxx" with a timestamp "TIME VALUE HERE" and a creator value "CREATOR VALUE HERE". Below this, another message says "Notification from Simon as well". At the bottom of the page, there is a footer with copyright information: "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions". A callout box at the bottom indicates that John is copying Andrew's contact info and replying to him through a third-party email.

Receive Request to buy Listing

LOGO placeholder Home announcements Shop v Restaurants Map John

Notifications Requests

You have a notification from housing

TIME VALUE HERE

Notification from Simon as well

Andrew is interested in your housing. Here is his contact info: xxxxxxxx

TIME VALUE HERE CREATOR VALUE HERE

Notification from Simon as well

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This box represents John copying Andrew's contact info and replying to him through a third party email

Action 7: Take down listing
(Wireframe shown as John)

Sequence1: Deleting John's Listing Page as John

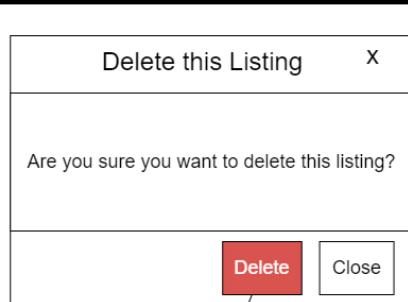
The wireframe shows a listing page for a property. On the left, there is a placeholder for a logo and a large white area for pictures, with arrows indicating a carousal. To the right, the listing details are displayed:

- Title Value Here**
- Price Value Here**
- Description:** DESCRIPTION OF HOUSING HERE
- Preferred Payment Type:** PREFERRED PAYMENT HERE
- Pets Allowed:** PETS ALLOWED VALUE HERE
- Address:** ADDRESS HERE

Below the listing details are two buttons:

- Edit Housing Listing Post**
- Delete Post?**

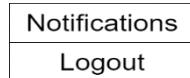
At the bottom of the main page, there is a footer bar with the text: © Team 05 CSC 648, Spring 2021 Terms and Conditions.



Clicking here deletes the listing

Action 8: Receive email/notification saying Listing is Closed (Wireframe shown as Simon)

(To get to notifications, click on the top right, where the username is, it shows a dropdown bar like the one below, then click on notifications)



Receive notification/email that listing is closed

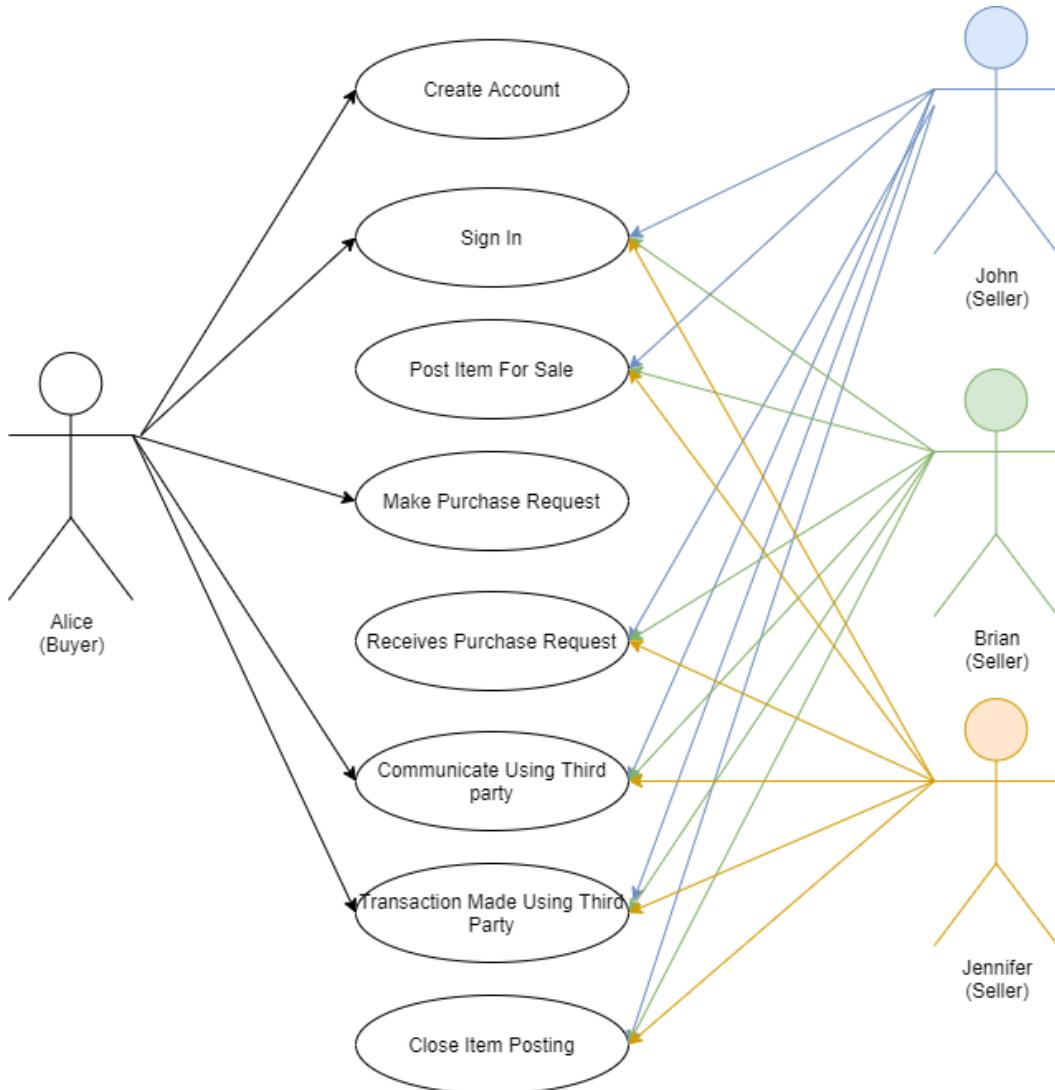
The wireframe shows a user profile page with a navigation bar at the top containing "LOGO placeholder", "Home", "announcements", "Shop v", "Restaurants", "Map", and "Simon". Below the navigation bar are two main sections: "Notifications" and "Requests". The "Notifications" section contains a message: "You have a notification from housing" with a timestamp "TIME VALUE HERE". The "Requests" section contains a message: "Andrew Has closed his Listing" with a timestamp "TIME VALUE HERE" and a creator value "CREATOR VALUE HERE". At the bottom of the page is a footer with the text "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions".

This box represents Simon also receiving this message through email
(Not implemented for prototype)

WireFrame #2 - Items

Case 2: Student at SFSU looking for cheaper textbooks

Actors: Alice(Buyer), John(Seller), Brian(Seller), Jennifer(Seller)



Action 1 and 2: Creating account/Signing into Account (Alice, John, Brian, Jennifer)

Creating account

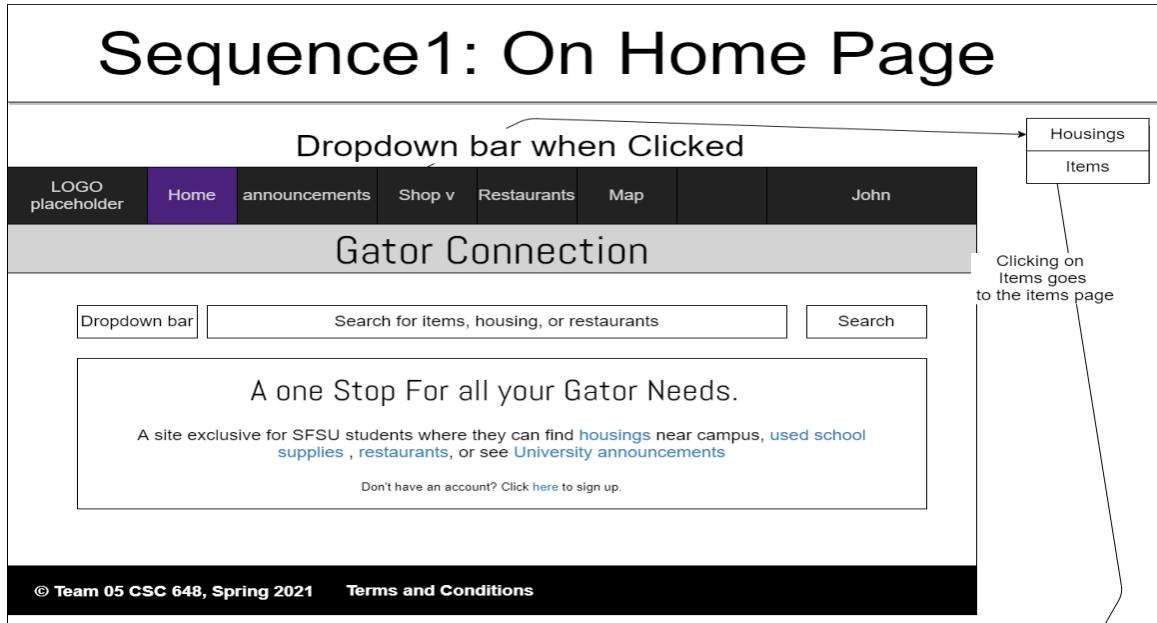
The screenshot shows the 'Register' page of the Gator Connection website. The page includes fields for First Name, Last name, SFSU Email, Graduation Year, and Password, along with a 'Register' button. A callout box to the right provides instructions for Alice: "Alice proceed to enter her first name, last name, SFSU email, graduation year, password into the respective boxes. They then click register to finish making their account. Our System then automatically logs them in as well".

Sign into Account

The screenshot shows the 'Login' page of the Gator Connection website. The page includes fields for SFSU Email and Password, along with a 'Login' button. A callout box to the right provides instructions for John, Brian, and Jennifer: "John, Brian, and Jennifer enter their information to login".

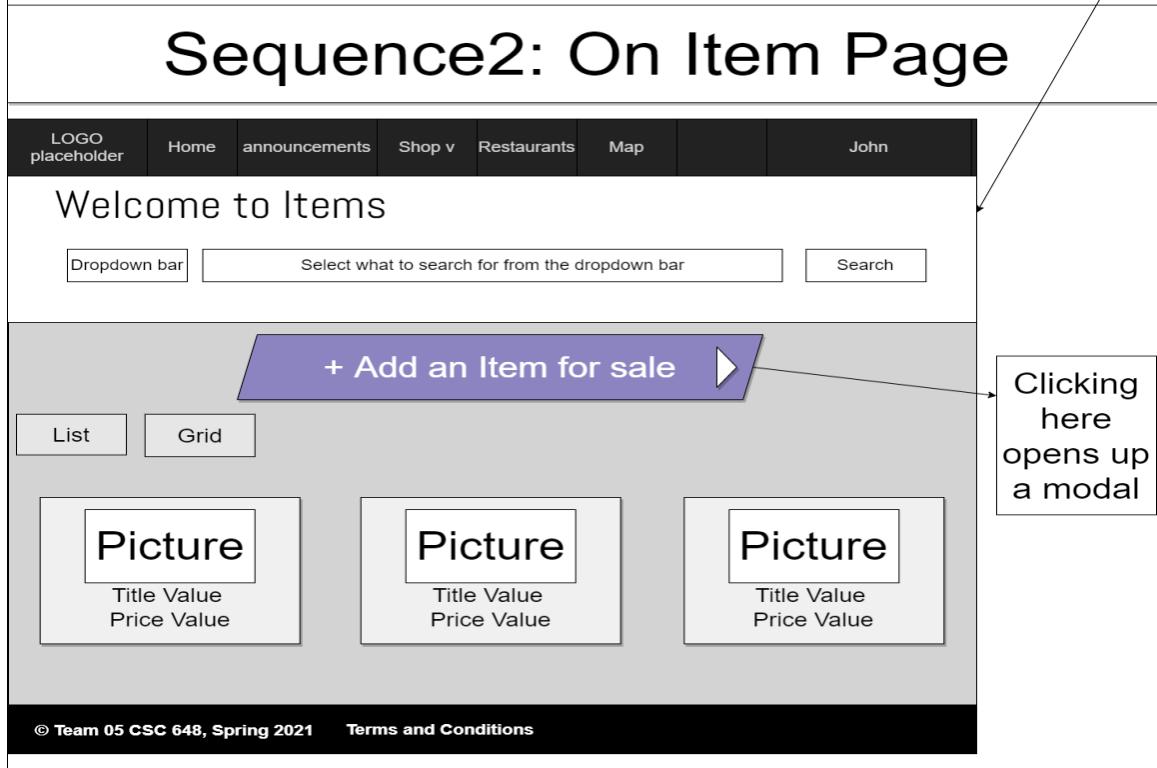
Action 3: Post Item for Sale
(Wireframe shown as John)
(To get to Items page, click on the Shop tab)

Sequence1: On Home Page



The Home Page wireframe includes a top navigation bar with a logo placeholder, a purple "Home" button, and other links like "announcements", "Shop v", "Restaurants", "Map", and a user profile for "John". A dropdown bar is labeled "Dropdown bar when Clicked". Below the navigation is a banner for "Gator Connection" with a search bar and a "Search" button. A central content area features a heading "A one Stop For all your Gator Needs.", a brief description of the site's purpose, and a sign-up link. At the bottom is a footer with copyright information and links to "Terms and Conditions".

Sequence2: On Item Page



The Item Page wireframe shows a navigation bar identical to the Home Page. The main content area displays a heading "Welcome to Items", a search bar, and a "List" or "Grid" selection button. Below this is a section for adding items, featuring a purple button "+ Add an Item for sale" with a right-pointing arrow. Three item cards are shown, each with a "Picture" placeholder and "Title Value" and "Price Value" fields. A callout box points to the "Add an Item" button with the text "Clicking here opens up a modal". The footer is identical to the Home Page.

Sequence3: Inside Modal Box

Post an Item for sale x

Title: _____
Enter Title for Item

Pricing: \$ _____
Ex: 350.00

Description: _____
Enter Description of Item here

Preferred method of Payment: Dropdown bar

Condition: Good Used

Upload Images: choose file no file chosen

Submit

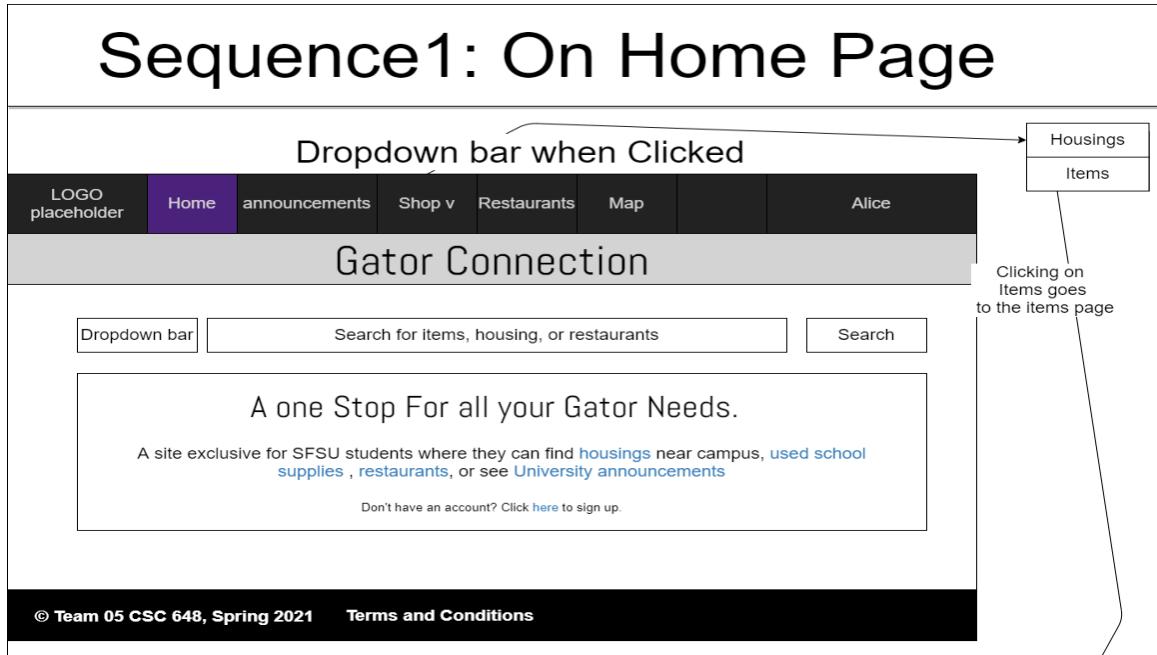
Close

John enters in his item info and submits it

```
graph LR; A[John enters in his item info and submits it] --> B[Submit]
```

Action 4: Make Purchase Request
(Wireframe shown as Alice)
(To get to Items page, click on the Shop tab)

Sequence1: On Home Page



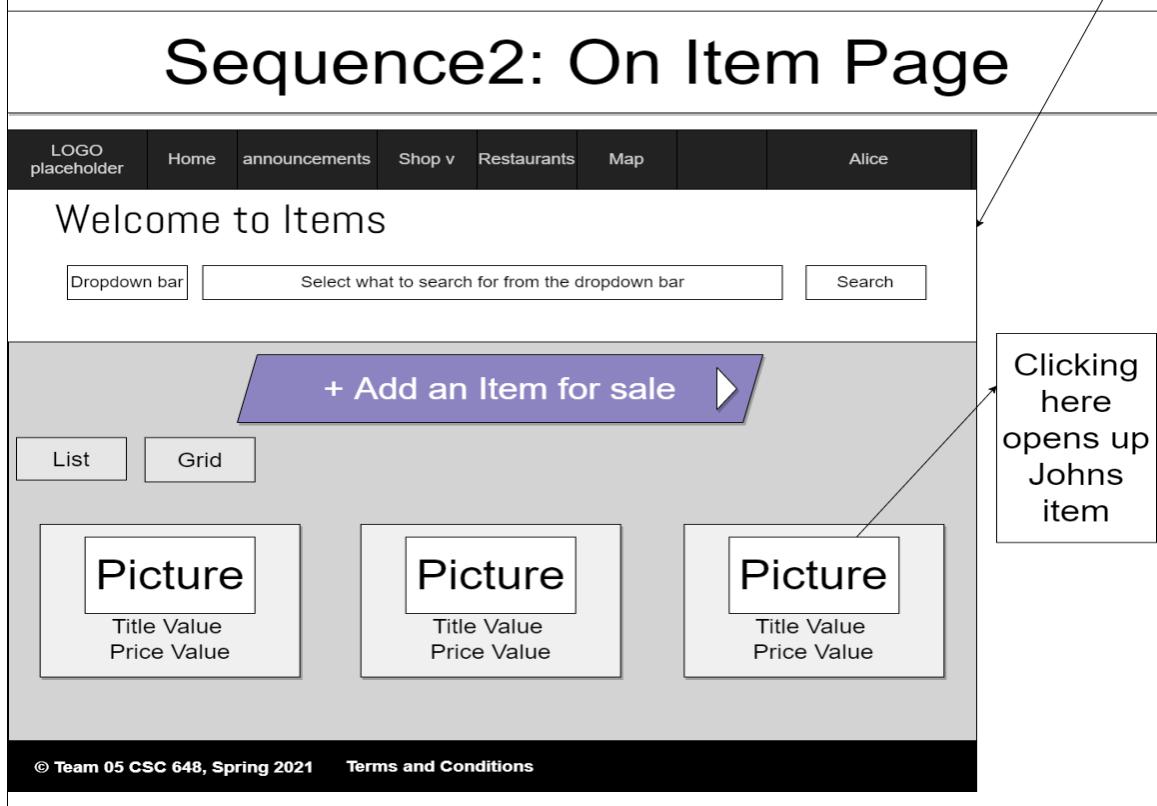
The Home Page wireframe includes:

- A top navigation bar with a logo placeholder, Home, announcements, Shop v, Restaurants, Map, and Alice.
- A dropdown bar labeled "Dropdown bar when Clicked" with options for "Housings" and "Items".
- A main content area titled "Gator Connection" featuring a search bar and a message: "A one Stop For all your Gator Needs. A site exclusive for SFSU students where they can find [housings](#) near campus, [used school supplies](#), [restaurants](#), or see [University announcements](#)".
- A footer with copyright information: "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions".

Annotations for the Home Page:

- An arrow points from the "Items" button in the dropdown bar to a callout box stating: "Clicking on Items goes to the items page".
- A callout box at the bottom right of the content area states: "Don't have an account? Click [here](#) to sign up."

Sequence2: On Item Page



The Item Page wireframe includes:

- A top navigation bar with a logo placeholder, Home, announcements, Shop v, Restaurants, Map, and Alice.
- A main content area titled "Welcome to Items" with a search bar and a "Select what to search for from the dropdown bar" placeholder.
- A central section with a purple button labeled "+ Add an Item for sale" and a grey area containing "List" and "Grid" buttons.
- Three item cards, each with a "Picture" placeholder and "Title Value" and "Price Value" fields.
- A footer with copyright information: "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions".

Annotations for the Item Page:

- An arrow points from the "Alice" button in the top navigation bar to the "Items" button in the Home Page's dropdown bar.
- A callout box on the right side of the item cards states: "Clicking here opens up Johns item".

Sequence3: On John's Listing, and replying to John

LOGO placeholder Home announcements Shop v Restaurants Map Alice

Pictures here, placed into a carasoul for pictures

Title Value Here
Price Value Here

- Description:
DESCRIPTION OF ITEM HERE
- Preferred Payment Type:
PREFERRED PAYMENT HERE
- Condition:
CONDITION VALUE HERE

+Interested?

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Tell us about yourself! X

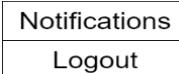
Do you want to send a request to the user who posted this item listing?

Yes Close

Our system sends email to owner of listing, so in this case, John

**Action 5,6,7: Receive Purchase Request/Communicate using third party/Transaction made using third party
(Wireframe shown as John)**

(To get to notifications, click on the top right, where the username is, it show a dropdown bar like the one below, then click on notifications)



Receive Request to buy Listing

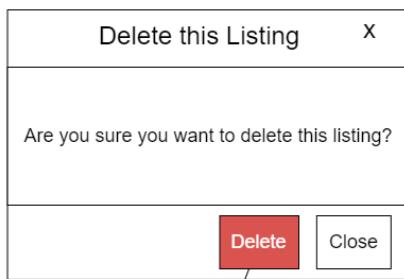
The wireframe shows a mobile application interface. At the top is a navigation bar with a logo placeholder, "Home", "announcements", "Shop v", "Restaurants", "Map", and a user profile for "John". Below the navigation bar are two main sections: "Notifications" and "Requests". The "Notifications" section contains a message: "You have a notification from items" with a timestamp "TIME VALUE HERE". The "Requests" section contains a message: "Alice is interested in your item. Here is her contact info: xxxxxxxx" with timestamps "TIME VALUE HERE" and "CREATOR VALUE HERE". At the bottom of the screen is a black footer bar with the text "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions". A callout box points from the "Requests" section to a larger explanatory box.

This box represents John receiving Alice's contact info, replying to her through a third party email, and them making a transaction using a third party app

Action 8: Close Item Posting
(Wireframe shown as John)

Sequence1: Deleting John's Listing Page as John

The wireframe shows a top navigation bar with links: LOGO placeholder, Home, announcements, Shop v, Restaurants, Map, and John. Below this is a main content area. On the left is a placeholder for pictures, with text: "Pictures here, placed into a carousal for pictures". To the right is the listing details: "Title Value Here" and "Price Value Here". Below these are three buttons: "Edit Item Post", "Delete Post?", and a small circle icon. At the bottom is a footer with copyright information: "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions".

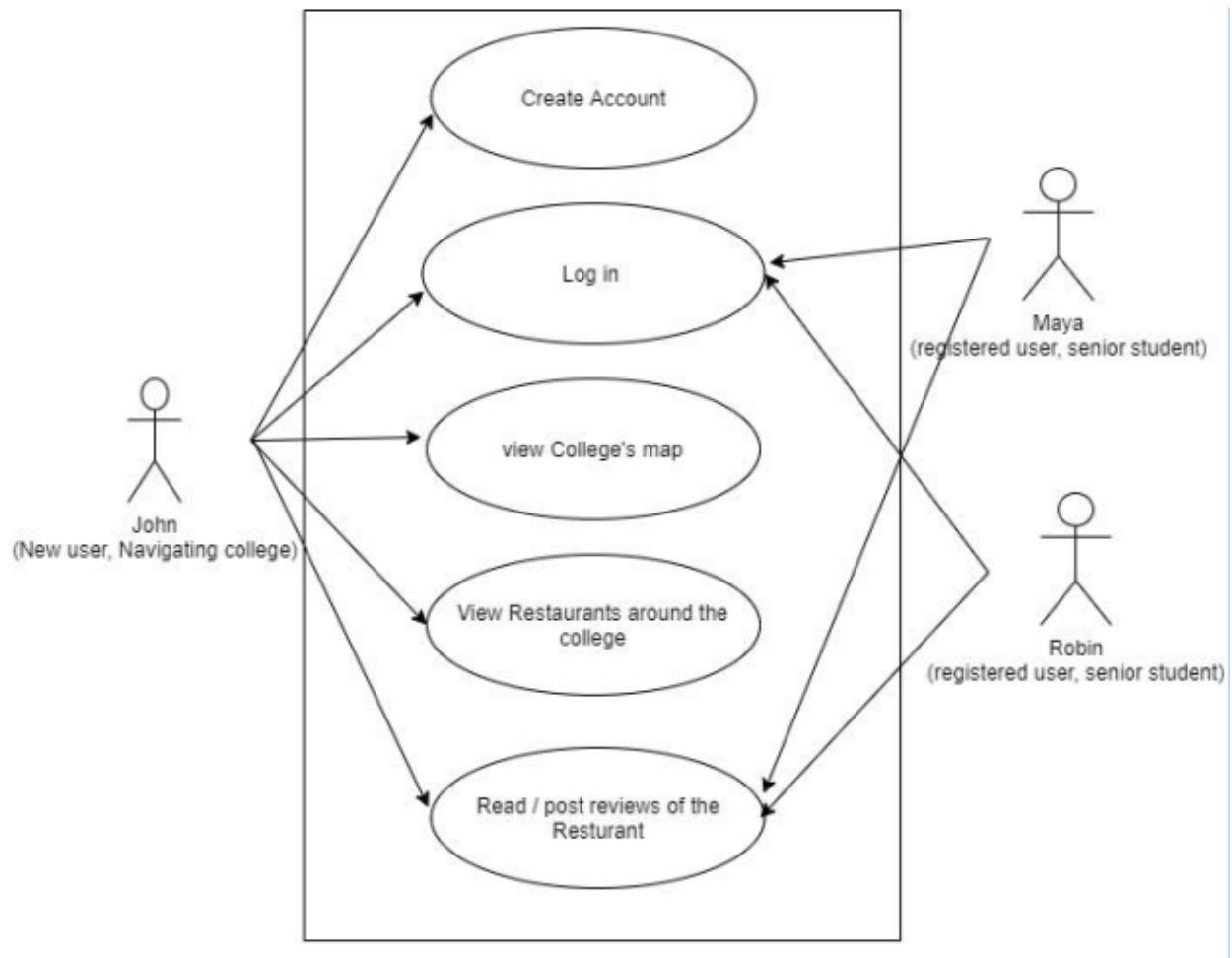


Clicking here deletes
the listing

WireFrame #3 - Map

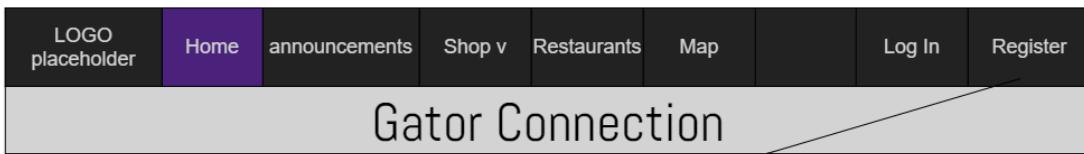
Use Case 3: Student at SFSU looking for food on campus, with his two friends outside SFSU accompanying him

Actors: John(New User), Maya(Unregistered User), Robin(Unregistered User)



Action 1 and 2: Creating account/Signing into Account
(John, Maya, Robin)

Creating account/Signing into Account



Gator Connection

Register		
X		
Student (On student)	Admin	Super User
By registering, you agree to Gator Connection's Terms and conditions.		
<input type="text"/> First Name		
<input type="text"/> Last name		
<input type="text"/> SFSU Email		
<input type="text"/> Graduation Year		
<input type="text"/> Password		
<input type="button" value="Register"/>		
Already have an account? Click here to sign in		
<input type="button" value="Close"/>		

John, Maya, Robin proceed to enter their first name, last name, SFSU email, graduation year, password into the respective boxes. They then click register to finish making their account. Our System then automatically logs them in as well

**Action 3: View College Map
(Wireframe shown as John)
(To get to Map page, click on the Map tab)**

Sequence1: On Home Page

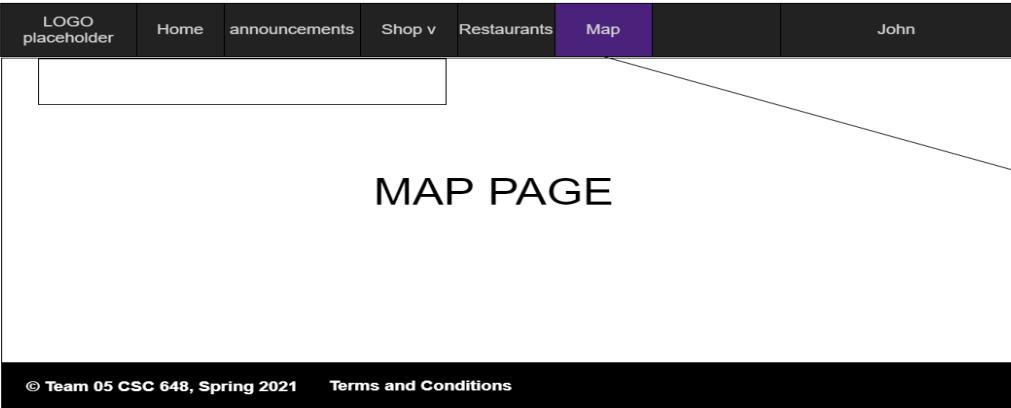
The wireframe shows a top navigation bar with items: LOGO placeholder, Home, announcements, Shop v, Restaurants, Map (which is highlighted in purple), and John. Below the navigation bar is a header section with the text "Gator Connection". Underneath is a search interface with a dropdown bar, a search input field containing "Search for items, housing, or restaurants", and a "Search" button. A central content box contains the text "A one Stop For all your Gator Needs." and a sub-section with "A site exclusive for SFSU students where they can find [housings](#) near campus, used school supplies, [restaurants](#), or see [University announcements](#)". At the bottom of the page is a footer bar with the text "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions".

Sequence2: On Map Page

The wireframe shows a top navigation bar with items: LOGO placeholder, Home, announcements, Shop v, Restaurants, Map (highlighted in purple), and John. Below the navigation bar is a search interface with a search input field. A central content box contains the text: "John types the address: NIZARIO'S PIZZA (SFSU) in the search bar proceeds to look at the map here to find their way to the restaurant". At the bottom of the page is a footer bar with the text "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions".

**Action 4: View Restaurants
(Wireframe shown as John)**
(To get to Restaurants page, click on the Restaurants tab)

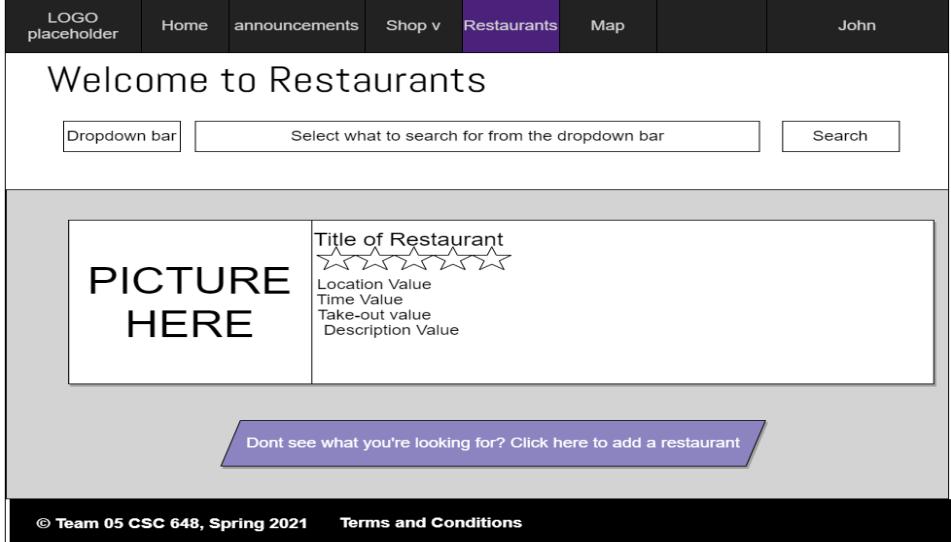
Sequence1: Go from map to Restaurants Page



MAP PAGE

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Sequence2: On Restaurant Page



Welcome to Restaurants

Dropdown bar Select what to search for from the dropdown bar Search

PICTURE HERE

Title of Restaurant
★ ★ ★ ★ ★
Location Value
Time Value
Take-out value
Description Value

Dont see what you're looking for? Click here to add a restaurant

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Action 5: Read/Post Reviews of Restaurant (Wireframe shown as John)

Sequence1: Go to read Restaurant Reviews

This wireframe shows a landing page for a restaurant review website. At the top is a navigation bar with links for Home, announcements, Shop v, Restaurants (which is highlighted in purple), Map, and a user profile for John. Below the navigation is a welcome message "Welcome to Restaurants". A search bar includes a dropdown bar, a search input field with placeholder text "Select what to search for from the dropdown bar", and a "Search" button. To the left is a placeholder for "PICTURE HERE". To the right is a box containing the "Title of Restaurant" and five star ratings. Below this are "Location Value", "Time Value", "Take-out value", and "Description Value". A call-to-action button at the bottom says "Dont see what you're looking for? Click here to add a restaurant". The footer contains copyright information "© Team 05 CSC 648, Spring 2021" and links for "Terms and Conditions".

Sequence2: On Restaurant Review Page

This wireframe shows a detailed view of a restaurant review page. The top navigation bar is identical to the first sequence. The main content area features a "Restaurant Name" section with a "Restaurant Picture" placeholder and a box for "Location Value", "Time Value", "Take-out value", and "Description Value". To the right is a "Related Restaurants" sidebar with a "Picture" placeholder and boxes for "Restaurant Title" and "Restaurant Description". Below this is a "Reviews" section with buttons for "Write a Review" and "Add image". Within this section are fields for "Review Title", "Rating", "Review Creator", and a large "Review Description" text area. Arrows indicate a flow from the "Write a Review" button down to the "Review Description" field. The footer is identical to the first sequence. A callout box at the bottom says "John Reads these Reviews".

Sequence1: Go to write a Restaurant Review

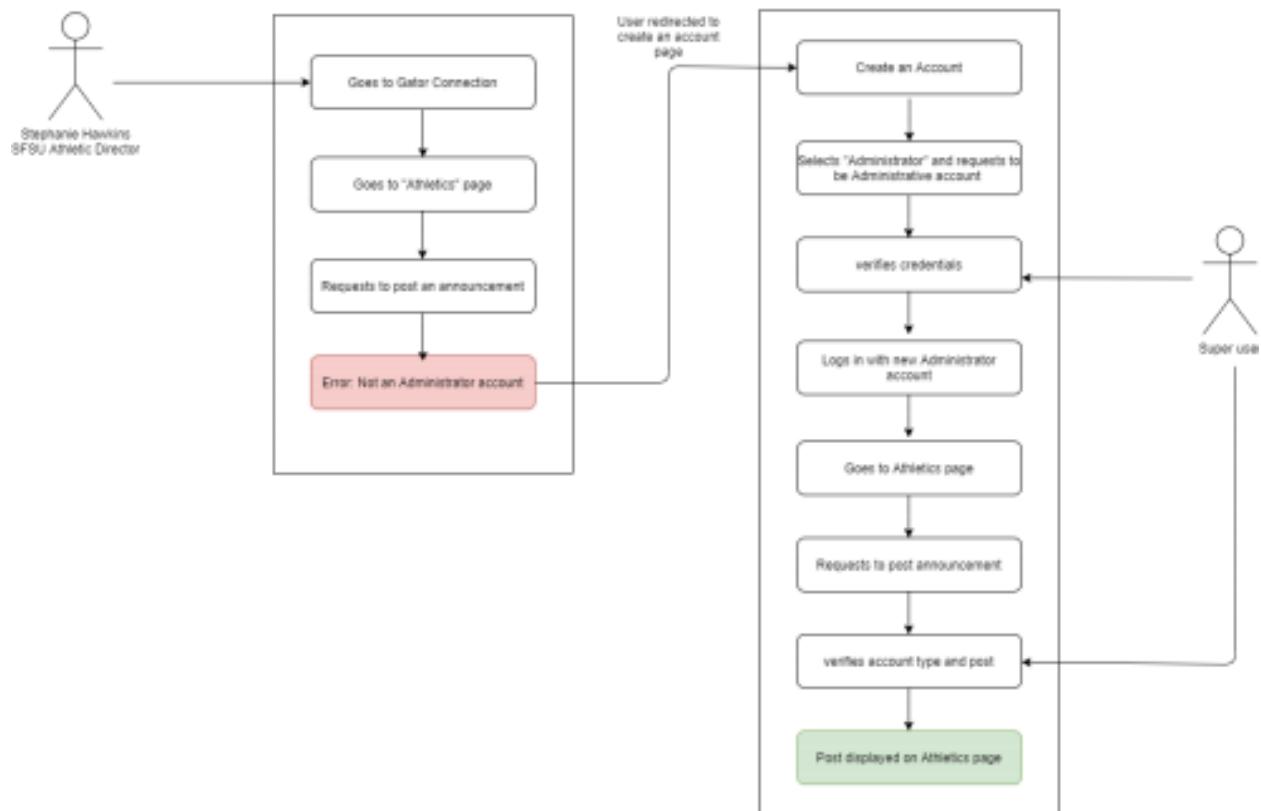
The screenshot shows a website layout for a restaurant review platform. At the top, there is a navigation bar with links for Home, announcements, Shop v, Restaurants, and Map. A user profile for "John" is also visible. Below the navigation bar, there is a section for "Restaurant Name" which includes a "Restaurant Picture". To the right of this, there is a "Related Restaurants" section with a "Picture" and "Restaurant Title" and "Restaurant Description". Below the main content area, there is a "Reviews" section containing fields for "Review Title", "Rating", "Review Creator", and "Review Description". At the bottom of the page, there is a footer with copyright information: "© Team 05 CSC 648, Spring 2021" and links for "Terms and Conditions".

Sequence2: Writing a Restaurant Review

The screenshot shows a "Write a Review" modal window. It contains fields for "Title" (with placeholder "Enter Title for Review"), "Select your rating" (with five stars), "Write your review here" (a large text area), and a note: "*Note: Your name will be stored with this review." At the bottom of the modal is a "Submit" button. To the right of the modal, there is a callout box with the text: "John Writes down a review of the restaurant and submits it".

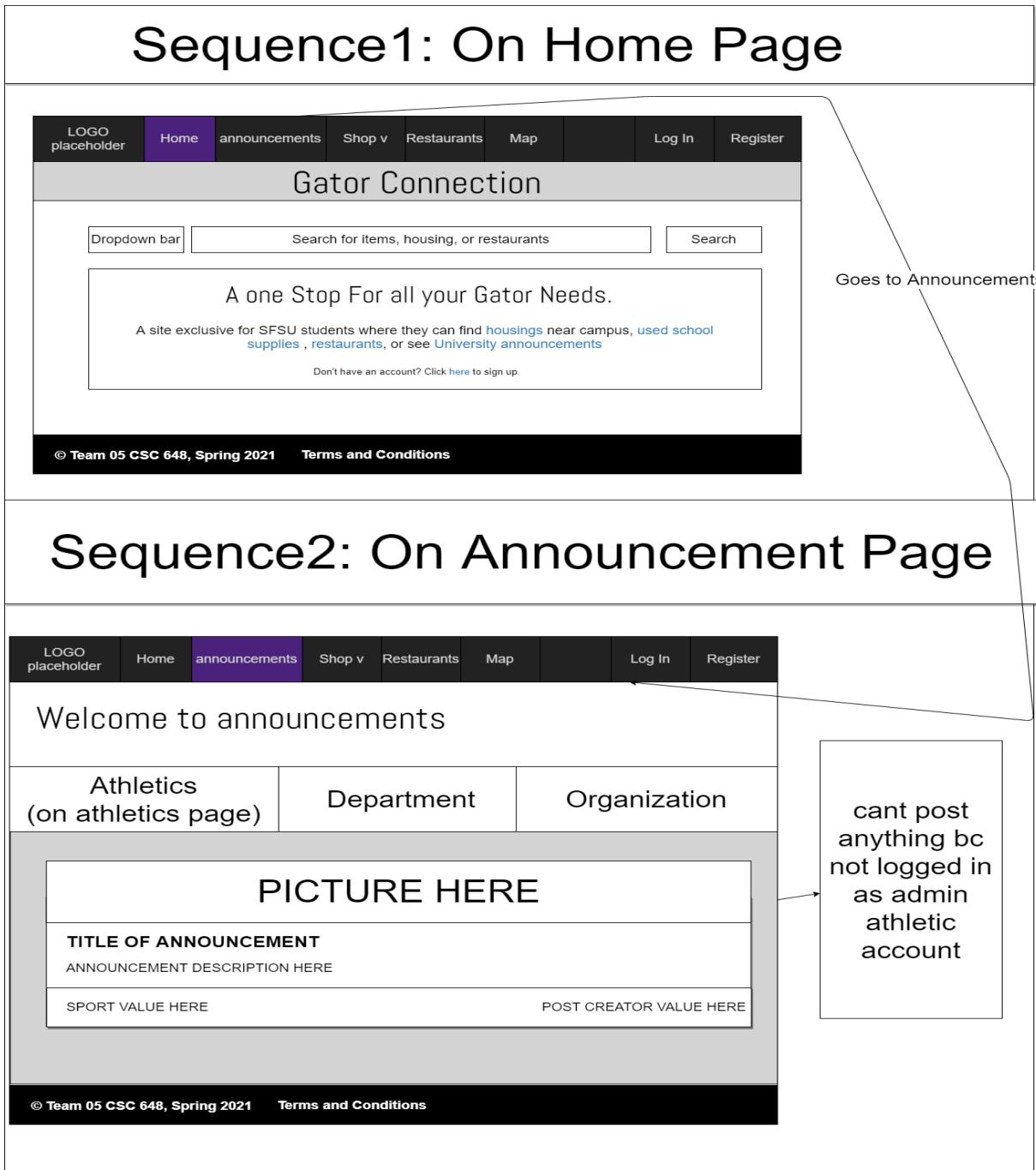
WireFrame #4 - Athletics Announcements

Case 4: Athletic Director at SFSU wants to announce upcoming events
Actors: Stephanie(User, Athletic Director)



Action 1 and 2: Goes to Announcements and tries to post an athletic announcement
(Stephanie Hawkins)

(To go to Announcements page, click on announcements tab)



**Action 3 and 4: Creates an athletic admin account, With Super User
Verification
(Stephanie Hawkins, Super User)**

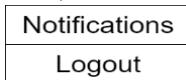
Creating account/Signing into Account

The image consists of two parts, each showing a registration interface with annotations.

Top Part:

- Header:** LOGO placeholder, Home, announcements, Shop v, Restaurants, Map, Log In, Register.
- Form:** Register (Admin (On Admin) selected). Fields: First Name, Last name, Email, Sport, Position, Password. Buttons: Register, Close.
- Annotation:** "For the sake of the prototype, the admin account is automatically created, and signs her in. The flow normally goes that after Stephanie submits her credentials, a super user has to verify them, shown in the following next boxes"
- Bottom Part:**
- Header:** LOGO placeholder, Home, announcements, Shop v, Restaurants, Map, Log In, Register.
- Form:** Register (Super User (On Super User) selected). Fields: First Name, Last name, Email, Password. Buttons: Register, Close.
- Annotation:** "For the normal steps, you will have to create a Super User account, which normally needs someone to verify it, but once again, for the sake of the prototype, is automatically created."

(To get to notifications, click on the top right, where the username is, it shows a dropdown bar like the one below, then click on notifications)



Creating account/Signing into Account

The screenshot shows a user interface for managing accounts. At the top, there is a navigation bar with a logo placeholder, Home, announcements, Shop v, Restaurants, Map, and Super User. Below the navigation bar, there are two main sections: "Notifications" and "Requests".

Notifications: You have a notification from an admin creation. TIME VALUE HERE

Requests: Stephanie has requested to make an admin account. TIME VALUE HERE CREATOR VALUE HERE. There are "accept?" and "reject?" buttons next to the request message.

At the bottom, there is a footer with copyright information: © Team 05 CSC 648, Spring 2021 and Terms and Conditions.

Callout: On the final version, Super User would click here to verify the account. An arrow points from this text to the "accept?" button in the Requests section.

**Action 5: Goes back to announcements and makes an athletic announcement
(Stephanie Hawkins)**

Sequence 1: Back to Announcements

Welcome to announcements

Athletics (on athletics page) Department Organization

Create an Athletics Post!

PICTURE HERE

TITLE OF ANNOUNCEMENT
ANNOUNCEMENT DESCRIPTION HERE

SPORT VALUE HERE POST CREATOR VALUE HERE

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Sequence 2: Makes an athletic announcement

Create an Athletics Post! X

Title:

Description:

Upload Images:
 no file chosen

Submit Close

Stephanie enters the title, description, and uploads a photo for her announcement

Action 6: See's her post on athletics
(Stephanie Hawkins)

Stephanie see's her post on the feed

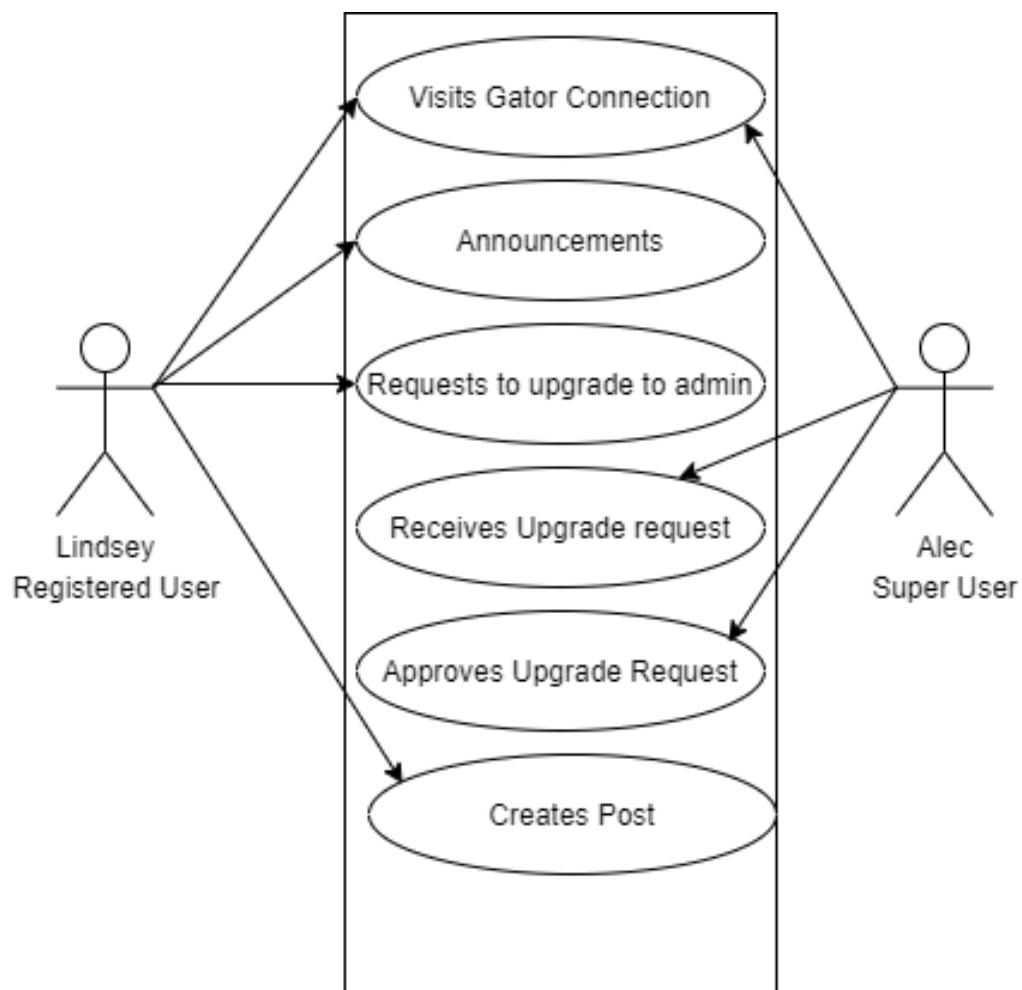
The diagram illustrates a website layout. At the top is a dark navigation bar with a 'LOGO placeholder' icon, 'Home', 'announcements' (which is highlighted in purple), 'Shop v', 'Restaurants', 'Map', and 'Stephanie'. Below the navigation bar is a main content area. On the left side of the content area is a large rectangular placeholder labeled 'Stephanie's Post Here'. Above this placeholder is a purple button with the text 'Create an Athletics Post!' and a right-pointing arrow. To the left of the button is a link 'Athletics (on athletics page)'. To the right of the button are links 'Department' and 'Organization'. Below the main content area is a dark footer bar containing the text '© Team 05 CSC 648, Spring 2021' and 'Terms and Conditions'.

Stephanie
now see's
her post on
the feed

WireFrame #5 - Organization Announcements

Case 5: President of SF Hacks wants to post about her upcoming events

Actors: Lindsey(Registered User), Alec(Super User)



**Action 1 and 2: Goes to Announcements and wants to post a department announcement
(Lindsay)**

(To get to Announcements page, click on the Announcements tab)

Sequence1: On Home Page

The diagram illustrates the user flow from the Home Page to the Announcements Page. A curved arrow originates from the "announcements" tab in the top navigation bar of the Home Page and points to the "announcements" tab in the top navigation bar of the Announcements Page. Another curved arrow originates from the "Goes to Announcements" label and points to the "announcements" tab on the Announcements Page.

Home Page:

- Top navigation bar: LOGO placeholder, Home, announcements, Shop v, Restaurants, Map, Log In, Register.
- Main content area: Gator Connection, Dropdown bar, Search for items, housing, or restaurants, Search button.
- Middle section: A one Stop For all your Gator Needs. A site exclusive for SFSU students where they can find [housings](#) near campus, [used school supplies](#), [restaurants](#), or see [University announcements](#). Don't have an account? Click [here](#) to sign up.
- Bottom footer: © Team 05 CSC 648, Spring 2021, Terms and Conditions.

Sequence2: On Announcement Page

The diagram shows the user interface for posting an announcement. A callout box on the right side of the screen contains the text: "cant post anything bc not logged in as admin department account".

Announcements Page:

- Top navigation bar: LOGO placeholder, Home, announcements, Shop v, Restaurants, Map, Log In, Register.
- Main content area: Welcome to announcements, Athletics, Department (on Department), Organization.
- Central area: PICTURE HERE, TITLE OF ANNOUNCEMENT, ANNOUNCEMENT DESCRIPTION HERE, DEPARTMENT VALUE HERE, POST CREATOR VALUE HERE.
- Bottom footer: © Team 05 CSC 648, Spring 2021, Terms and Conditions.

**Action 3 and 4: Decides to request to make an admin department account,
with Super User Verification
(Lindsay)**

Creating account/Signing into Account

Register

By registering, you agree to Gator Connection's Terms and conditions.

Athletics

First Name

Last name

Email

Sport

Position

Password

Register

Already have an account? Click here to sign in

Close

For the sake of the prototype, the admin account is automatically created, and signs her in. The flow normally goes that after Lindsay submits her credentials, a super user to verify them, shown in the following next boxes

Register

By registering, you agree to Gator Connection's Terms and conditions.

First Name

Last name

Email

Password

Register

Already have an account? Click here to sign in

Close

Super User inputs info to register, which for the sake of the prototype, automatically verifies signs them in

(To get to notifications, click on the top right, where the username is, it shows a dropdown bar like the one below, then click on notifications)

Notifications
Logout

Super User Verifies Account

LOGO placeholder Home announcements Shop v Restaurants Map Super User

Notifications Requests

You have a notification from an admin creation

Lindsay has requested to make an admin account

accept?

reject?

TIME VALUE HERE CREATOR VALUE HERE

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On the final version, Super User would click here to verify the account

Action 5: Makes an announcement Department Post: (Lindsay)

Sequence 1: Back to Announcements

Welcome to announcements

Athletics	Department (On Department tab)	Organization
-----------	-----------------------------------	--------------

Create a Department Post!

PICTURE HERE

TITLE OF ANNOUNCEMENT
ANNOUNCEMENT DESCRIPTION HERE

DEPARTMENT VALUE HERE POST CREATOR VALUE HERE

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Sequence 2: Makes a department announcement

Create a Department Post!

Title:

Description:

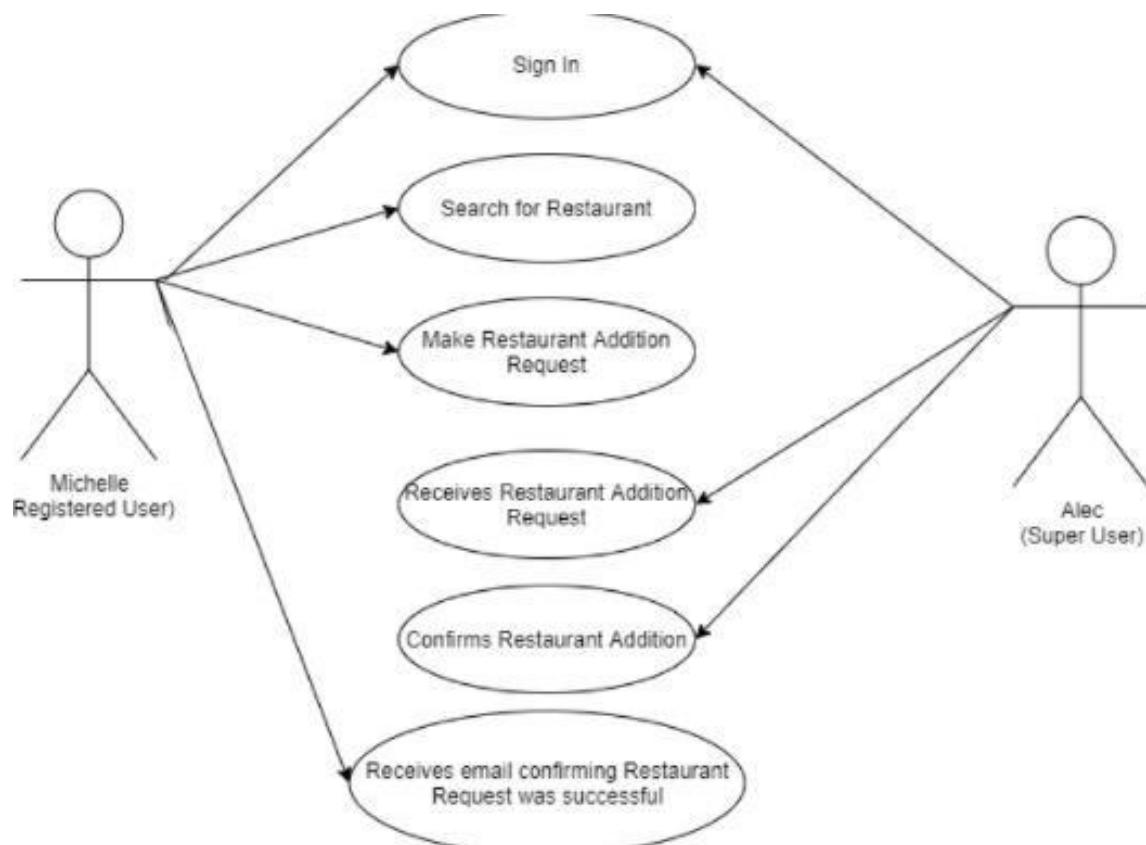
Upload Images:
 no file chosen

Lindsay enters the title, description, and uploads a photo for her announcement

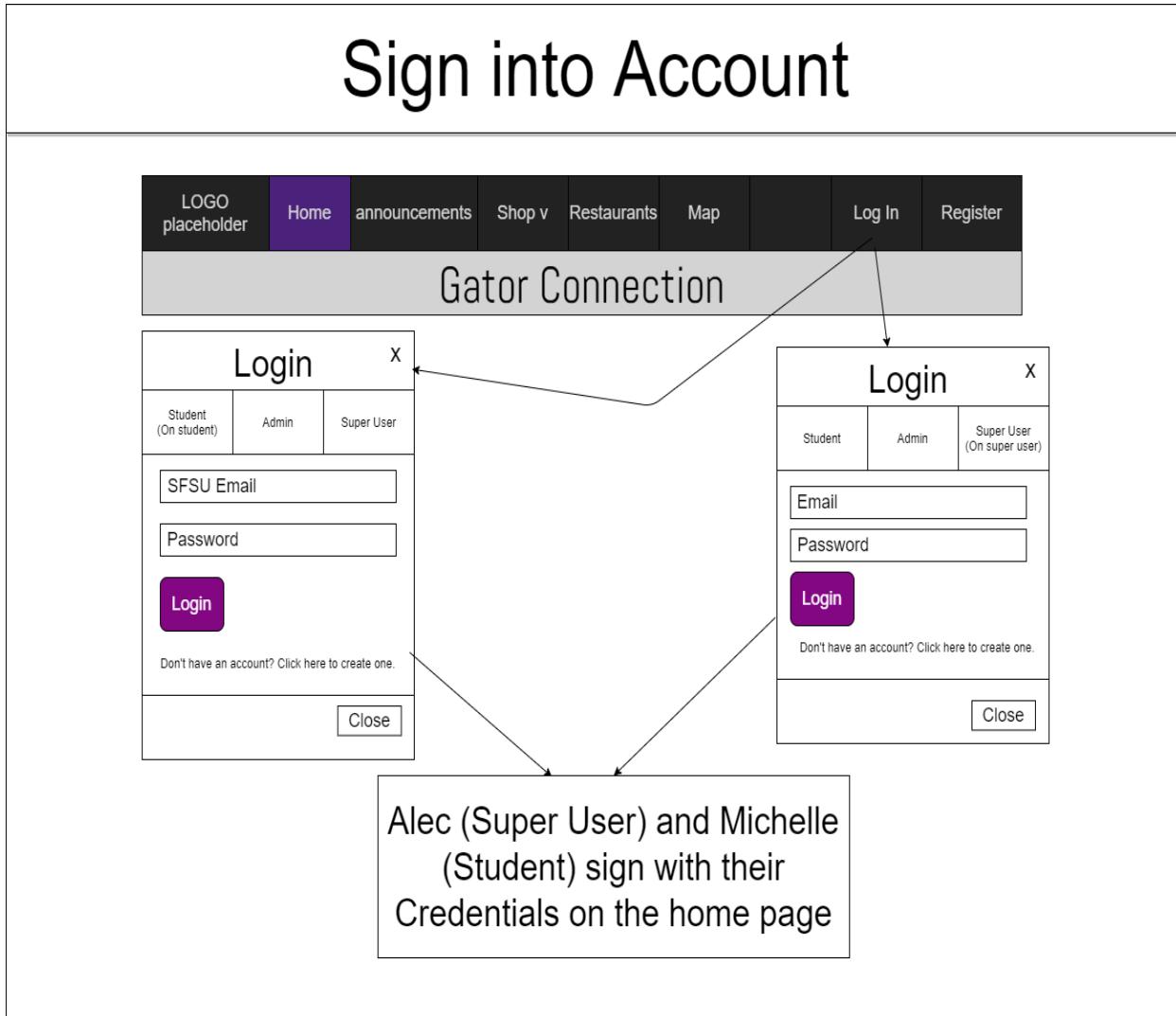
WireFrame #6 - Restaurants/Restaurant Requests

Case 6: Student at SFSU wants to add a Restaurant

Actors: Michelle (Registered User), Alec (Super User)



Action 1: Sign In (Michelle, Alec)



**Action 2: Search for Restaurant
(Michelle)**
(To get to Restaurants page, click on the Restaurants tab)

Sequence 1: Home Page to Restaurants



Sequence 2: On Restaurants Page

A screenshot of the 'Restaurants' page. At the top is a navigation bar identical to the one above, with 'Restaurants' highlighted in purple. Below it is a white area containing the text 'Welcome to Restaurants'. Underneath is a search interface with a 'Dropdown bar', a search input field with the placeholder 'Select what to search for from the dropdown bar', and a 'Search' button. To the right of this is a large text box containing the message 'Michelle does not find the restaurant she wants'. Below the search area is a section titled 'PICTURE HERE' with a placeholder for an image. To its right is a box containing 'Title of Restaurant' and five star icons. Below these are 'Location Value', 'Time Value', 'Take-out value', and 'Description Value'. At the bottom of the page is a purple button with the text 'Dont see what you're looking for? Click here to add a restaurant'. The footer contains the copyright notice '© Team 05 CSC 648, Spring 2021' and links for 'Terms and Conditions'.

Action 3: Make Restaurant Addition Request (Michelle)

Requests a Restaurant

LOGO placeholder Home announcements Shop v Restaurants Map Michelle

Welcome to Restaurants

Dropdown bar Select what to search for from the dropdown bar Search

PICTURE HERE

Title of Restaurant
★ ★ ★ ★ ★
Location Value
Time Value
Take-out value
Description Value

Dont see what you're looking for? Click here to add a restaurant

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Request a restaurant x

Name: _____
Restaurant Name

Zip Code: _____ Number: _____
Zipcode Number

Street: _____
Street

City: _____
City

Business Hours:
Open: _____ Close: _____

Takeout Available: yes no

Description:
Enter Description of Restaurant here

Upload Images:
choose file no file chosen

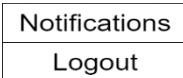
Submit

Close

Michelle puts in info for her restaurant request

Action 4: Verifies Restaurant Request (Alec)

(To get to notifications, click on the top right, where the username is, it shows a dropdown bar like the one below, then click on notifications)



Super User Receives Request

The screenshot shows a user interface for a restaurant application. At the top, there is a navigation bar with a logo placeholder, Home, announcements, Shop v, Restaurants, Map, and a user profile for Alec. Below the navigation bar, there are two main sections: "Notifications" and "Requests".

The "Notifications" section displays a message: "You have a notification from restaurants" with a "TIME VALUE HERE" placeholder below it.

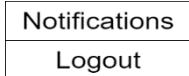
The "Requests" section displays a message: "Michelle wants to add a restaurant" with a "TIME VALUE HERE" placeholder below it and a "CREATOR VALUE HERE" placeholder to its right. To the right of this message are two buttons: "accept?" and "reject?".

At the bottom of the screen, there is a footer bar with the text: "© Team 05 CSC 648, Spring 2021 Terms and Conditions".

A callout box with an arrow points from the "accept?" button in the Requests section to the text: "On the final version, Super User would click here to verify the restaurant addition" located in the bottom right area of the screenshot.

Action 5: Notified of Restaurant addition through notifications (Michelle)

(To get to notifications, click on the top right, where the username is, it shows a dropdown bar like the one below, then click on notifications)



Michelle is notified of approval

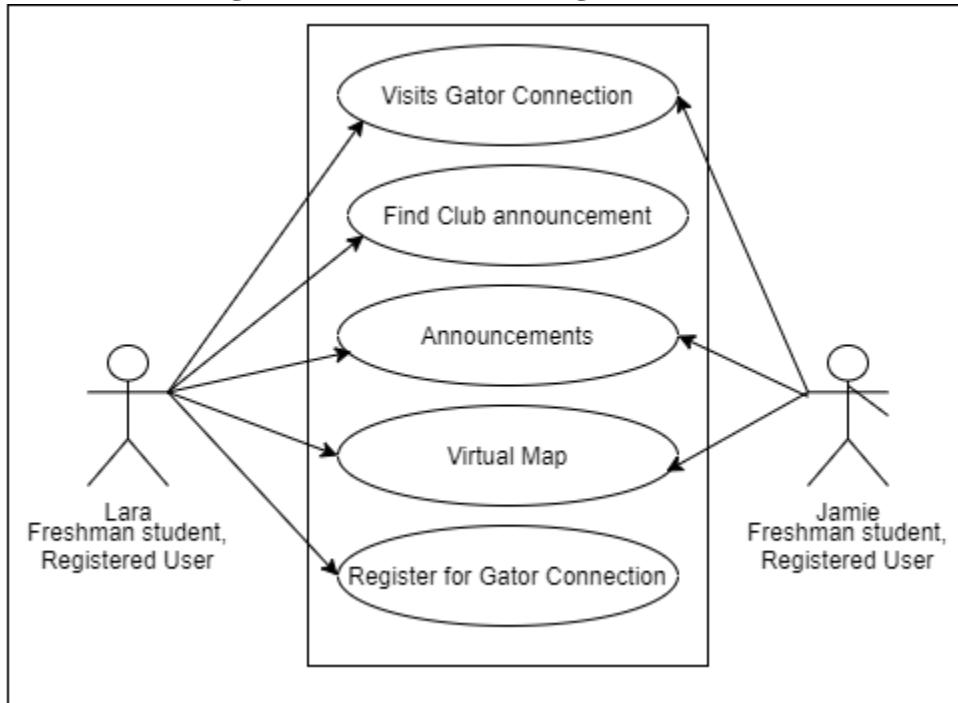
The screenshot shows a user interface with a dark header bar. From left to right, the header contains: "LOGO placeholder", "Home", "announcements", "Shop v", "Restaurants", "Map", a blank space, and "Michelle". Below the header is a navigation bar with two tabs: "Notifications" and "Requests". The "Notifications" tab is active, displaying a message: "You have a notification from restaurants" with a "TIME VALUE HERE" placeholder below it. The "Requests" tab displays a message: "Your restaurant addition has been approved" with "TIME VALUE HERE" and "CREATOR VALUE HERE" placeholders. At the bottom of the interface is a black footer bar with the text: "© Team 05 CSC 648, Spring 2021" and "Terms and Conditions". A large callout bubble originates from the "Notifications" tab, pointing towards a text box in the foreground.

Also receives this email
(Not implemented for horizontal prototype)

WireFrame #7 - Organization/Club Announcements

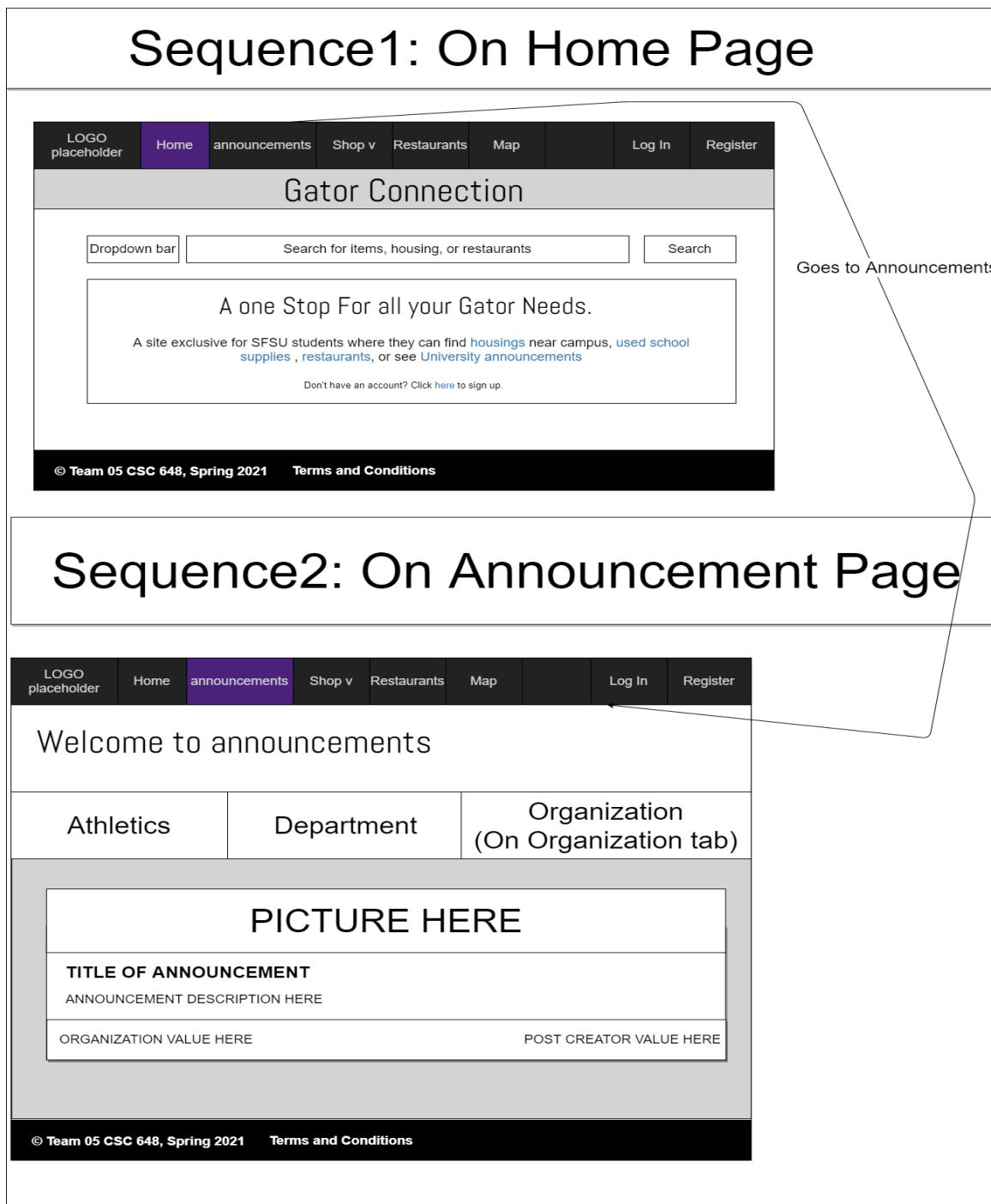
Case 7: Two Freshman at SFSU want to join a club but want more information

Actors: Lara (Registered User), Jamie (Registered User)



**Action 1 and 2: Goes to Announcements and wants to find a club to join on Organization
(Lara)**

(To get to Announcements page, click on the announcements tab)



**Action 3: Goes to Announcements and wants to find a club to join on Organization
(Lara)**

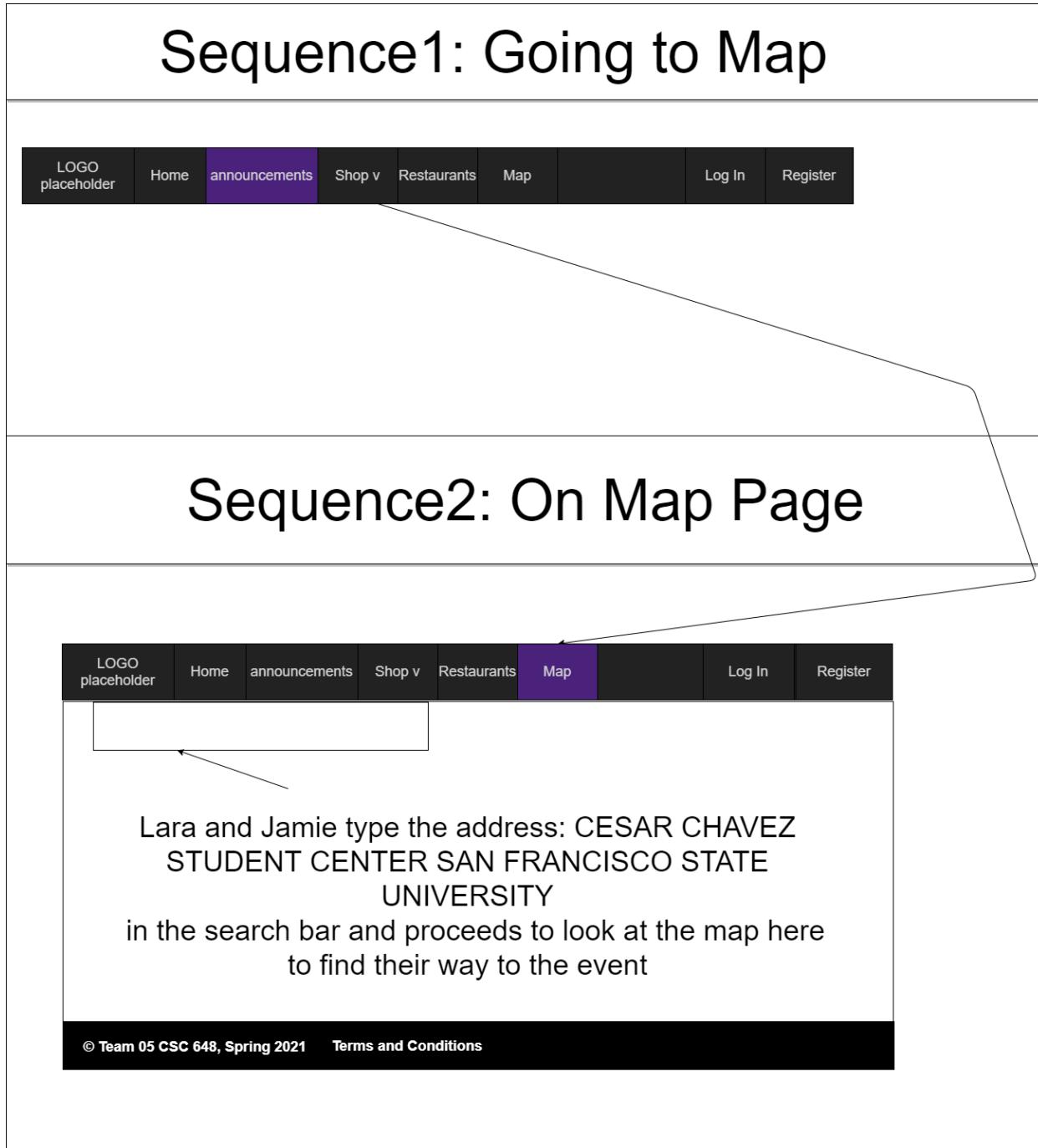
Sequence1: On Home Page

The diagram shows a user interface for an announcements page. At the top is a navigation bar with links: LOGO placeholder, Home, announcements (highlighted in purple), Shop v, Restaurants, Map, Log In, and Register. Below the navigation bar is a welcome message: "Welcome to announcements". Underneath is a section with three tabs: Athletics, Department, and Organization (On Organization tab). A large rectangular area contains a placeholder for "PICTURE HERE", followed by a title "TITLE OF ANNOUNCEMENT" and a description "ANNOUNCEMENT DESCRIPTION HERE". At the bottom of this section are two labels: "ORGANIZATION VALUE HERE" and "POST CREATOR VALUE HERE". A copyright notice at the very bottom reads: "© Team 05 CSC 648, Spring 2021 Terms and Conditions". A callout bubble on the right side of the "Organization" tab says: "Click on card to go to Post page".

Sequence2: On Post Page

The diagram shows a user interface for a post page. At the top is a navigation bar with links: LOGO placeholder, Home, announcements (highlighted in purple), Shop v, Restaurants, Map, Log In, and Register. Below the navigation bar is a large placeholder for "PHOTO WITH ANNOUNCEMENT HERE". Underneath is a section with a title "TITLE OF ANNOUNCEMENT" and sub-labels "POST CREATOR VALUE HERE" and "TIME POST CREATED HERE". It also includes a note: "The event will be held at: CESAR CHAVEZ STUDENT CENTER SAN FRANCISCO STATE UNIVERSITY". A copyright notice at the very bottom reads: "© Team 05 CSC 648, Spring 2021 Terms and Conditions". A callout bubble at the bottom left says: "Lara and Jamie copy the address of the event". Arrows from the "Organization" tab in Sequence 1 point to the "Post CREATOR VALUE HERE" label and the "CESAR CHAVEZ STUDENT CENTER SAN FRANCISCO STATE UNIVERSITY" text.

**Action 4: Goes to to Virtual Map after getting the address
(Lara)**
(To get to Map page, click on the Map tab)



**Action 5: Registers for Gator Connection after having a fun time at the event
(Lara)**

Creating account/Signing into Account

LOGO placeholder Home announcements Shop v Restaurants Map Log In Register

Gator Connection

Register X

Student (On student) Admin Super User

By registering, you agree to Gator Connection's Terms and conditions.

First Name
Last name
SFSU Email
Graduation Year
Password

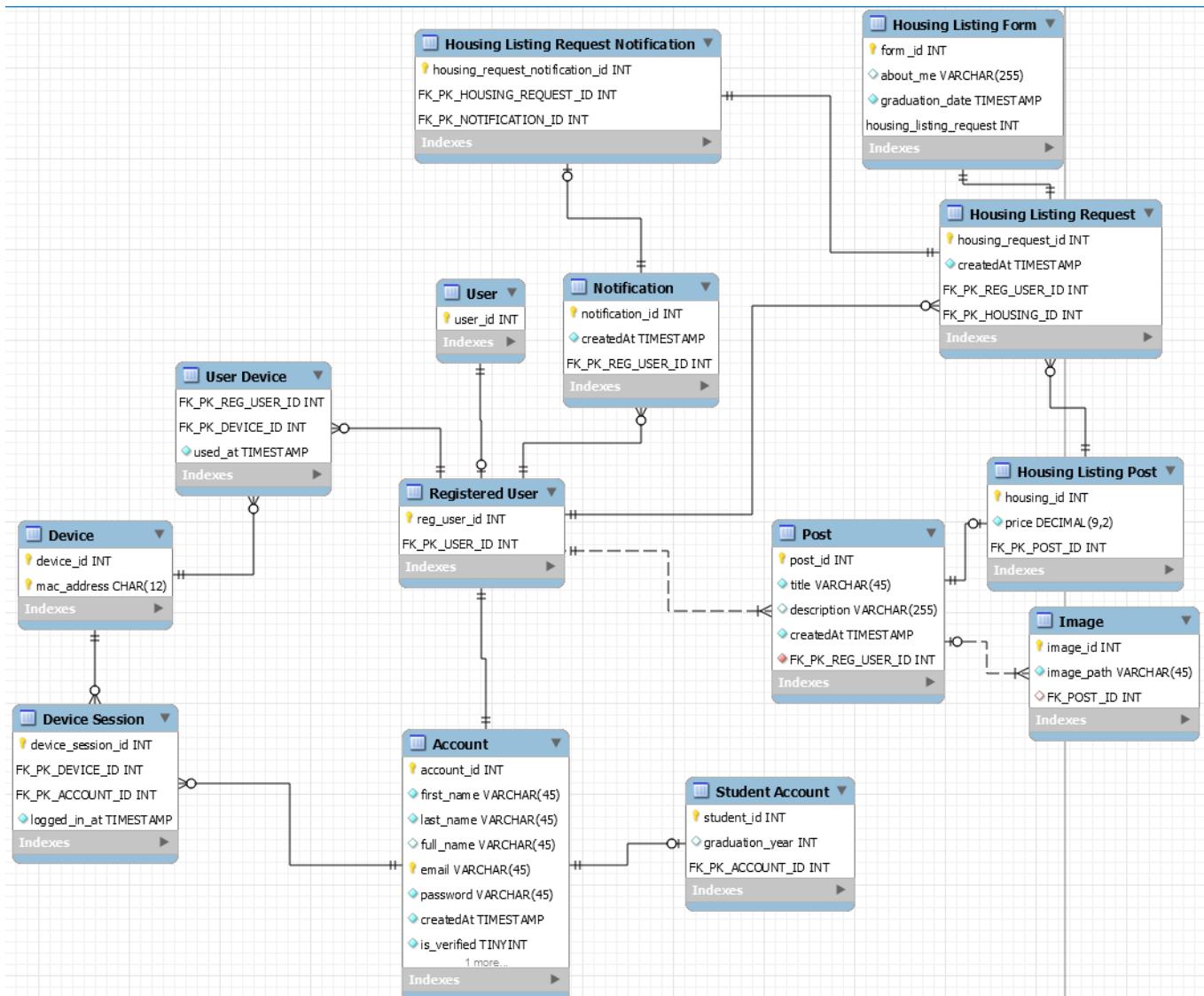
Register

Already have an account? Click here to sign in

Close

Lara proceeds to enter their first name, last name, SFSU email, graduation year, password into the respective boxes. They then click register to finish making their account. Our System then automatically logs them in as well

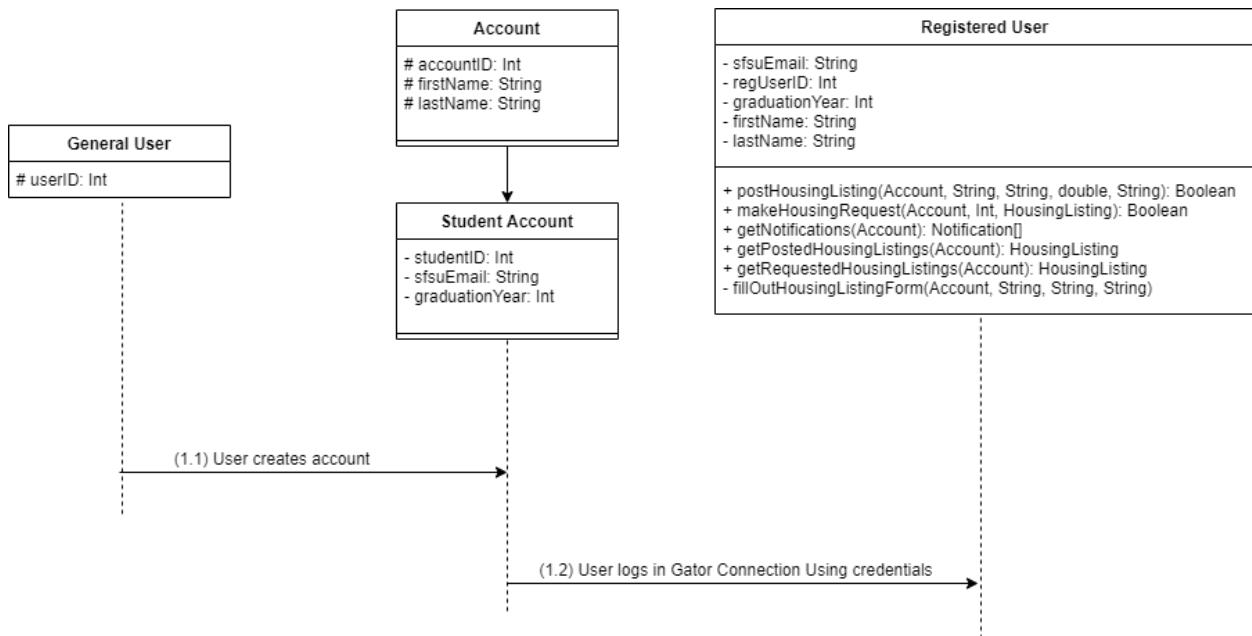
High Level Database Architecture and Organization V2



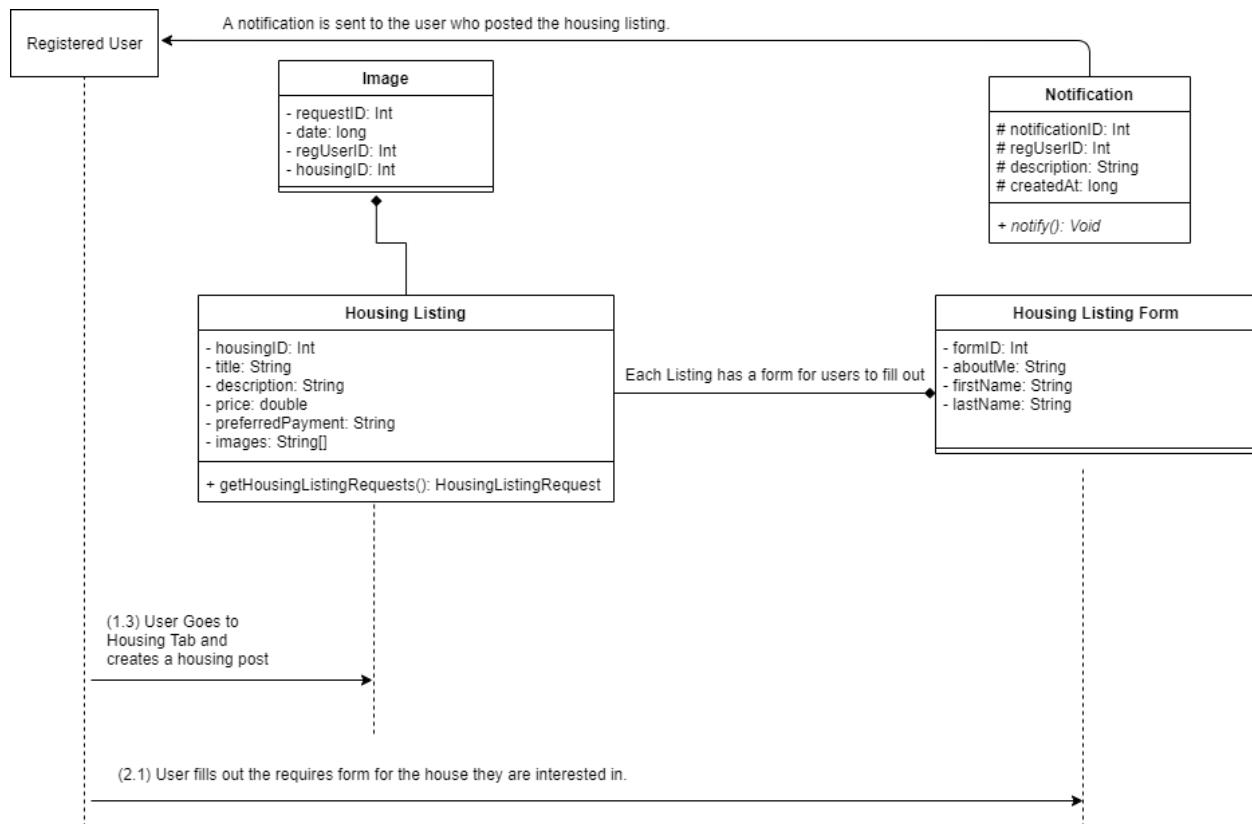
High Level Diagrams V2

High Level UML Diagram

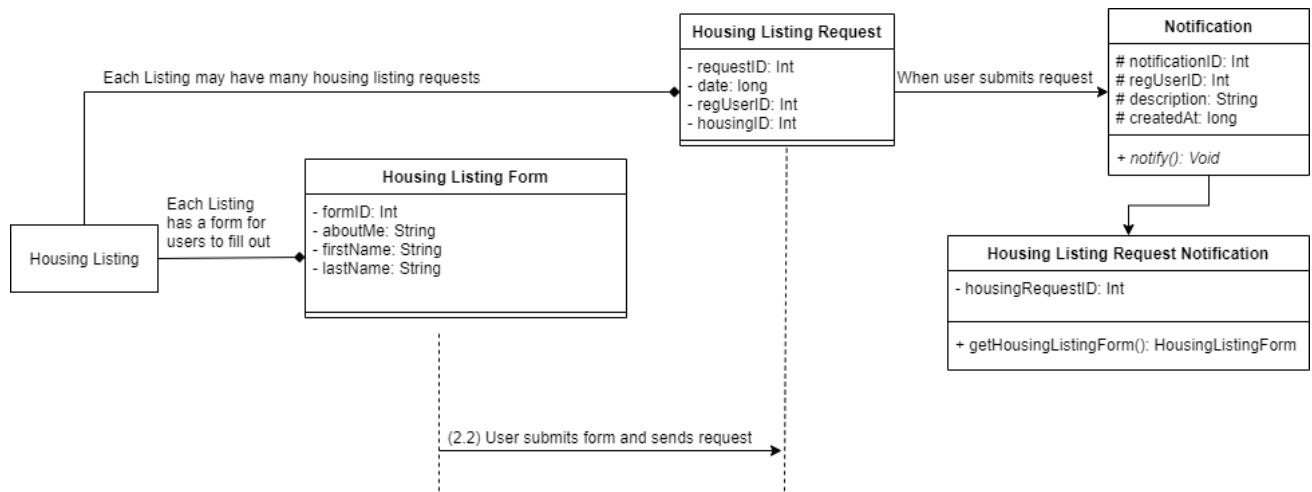
1. Association and Relationships between the General User, Registered User, Account, and Student Account.



2. Associations and Relationships between Registered User, which was already defined above, Housing Listing, Image, Housing Listing Form, and Notification.

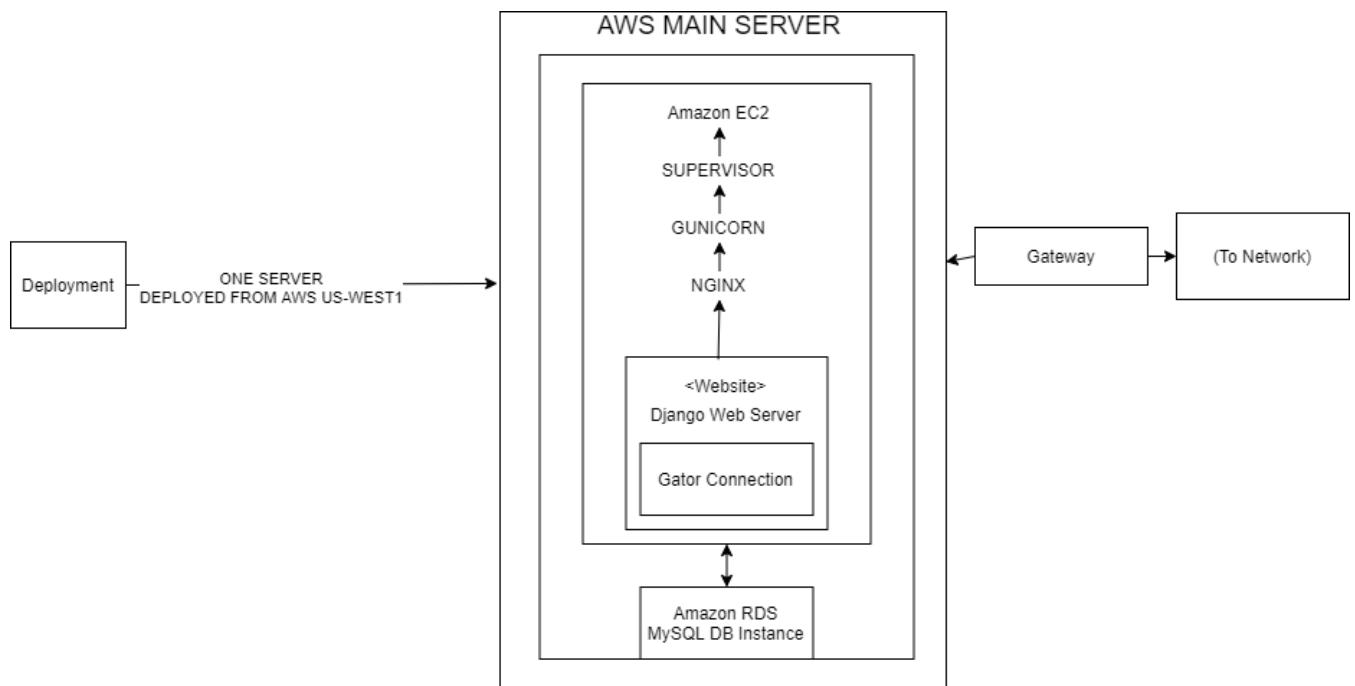


3. *Associations and relationships between Housing Listing, which was already defined above, Housing Listing Form, Housing Listing Request, Notification, and Housing Listing Request Notification.*

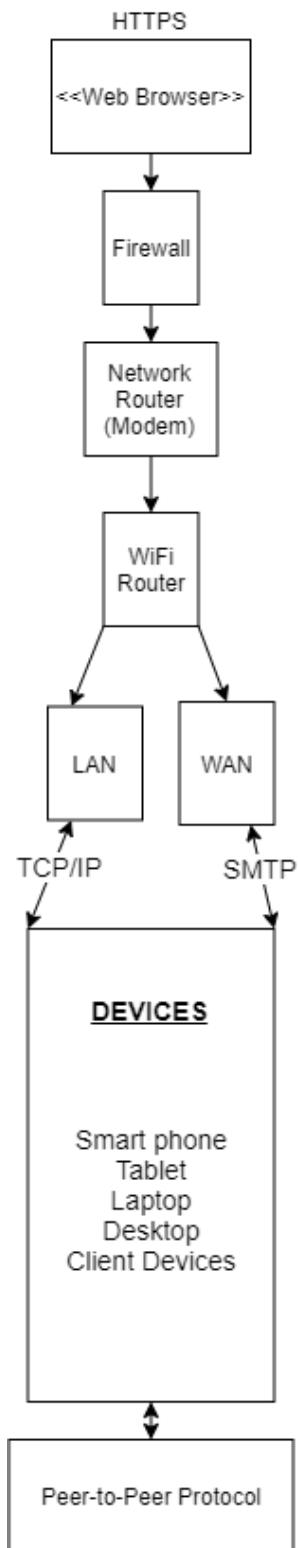


High Level Application Network and Deployment Diagrams

Deployment Diagram:



Application Network Diagram:



List of Contributions

Jiaxin:

a) Backend:

Backend features that Jiaxin was tasked to work on was the email feature, specifically:

i) **email_helper.py file:**

In the email_helper.py file, it is used to send out emails after certain actions, such as registering, requesting a housing listing, requesting an item, etc. We did manage to get an email to be sent out after a user registers but decided to disable it for this current horizontal prototype.

ii) **item.py file:**

Jiaxin set up the basic framework for the items endpoint, such as being able to post an item, render an item post, etc.

b) Frontend:

Frontend features that Jiaxin worked on was:

i) **items.html**

In the items.html file, Jiaxin provided the basic rendering to show the items coming from the database.

Carmen:

a) Frontend:

Frontend features that Carmen worked on was setting up the basic layout of the grid system that we have in:

- i) items.html**
- ii) housing.html**

In these files, Carmen set up the grid system that we have in there. There a user can select a “list” option, so the listing objects can be presented in a vertical fashion. By selecting grid, a user can set these objects at most 4 across, where it will make another row.

Another Frontend feature that Carmen worked on was designing the logo that we have at the top left and aligning it to make sure it matches the orientation on the navbar.

Furthermore, Carmen added a placeholder value for our searchable map, so it would always go to SFSU.

b) documentation:

Things for the M3 document that Carmen worked on specifically was getting the rough draft for our wireframes ready, specifically for Wireframes 5 and 6.

Bikram:

a) Frontend:

Frontend features that Bikram worked on was setting up dummy pages, specifically:

- i) restaurant_post(1-3).html**
- ii) announcements_post(1-3).html**
- iii) housing/item_post1.html**
- iv) notification.html**

In these files, Bikram set up dummy pages. By having these dummy pages, when it came time to have our data from the database all styled up, we could easily copy the html, switch out the variables and everything would be rendered up to our specifications. Furthermore, a dummy page was set up to some extent in **restaurant.html**, where after it was done, we were able to copy dynamic data from the database and apply css on it.

Furthermore, Bikram also worked on setting up the **maps.html** page we have, including the searching option that is currently there as well.

b) Documentation:

Things for the M3 document that Bikram worked on specifically was getting the rough draft for our wireframes ready, specifically for Wireframes 7 and 8.

Lakshita:

a) Frontend:

Frontend features that Lakshita worked on was setting up the button format shown below:



After this button was created and applied to our **housing.html**, **item.html**, and **restaurants_home.html** page by Lakshita, Alec was able to easily copy the html and css for it and apply it to our **announcements_home.html**, and all the **_detail.html** pages from items, housing, and announcements.

Furthermore, another frontend feature Lakshita worked on was expanding the grid system we have in our **housing.html** and **item.html** pages. She expanded upon it in a way so that it was cleaned up previously, and now implements the “shadow” card system shown there, similarly to Craigslist.

Additionally, Lakshita also provided the “banner” photos and the welcome text in the **housing.html**, **item.html**, **restaurants_home.html**, and **announcements_home.html** files. These banners show a photo representing the page. She also implemented new ttf fonts for the headings.

b) Documentation:

Things for the M3 document that Lakshita worked on specifically was getting the rough draft for our wireframes ready, specifically for Wireframes 3 and 4.

c) Scribe and Editor

Lakshita volunteered to be the scribe for notes during our project presentation for its implementation in our upcoming milestones.

Lakshita worked on editing the documentation for all individual sections to be submitted as a final M3 pdf.

Angelo:

a) Backend:

Backend features that Angelo worked on was making the logic work for passing in database data into the respective html page, specifically:

i) housing.py file:

In the housing.py file, Angelo worked on getting the logic right to pass the data into the respective **housing.html** file. By doing this, we were able to render text from the database into the html page, which we could style as necessary. Furthermore, after getting the logic done, we were able to copy the logic for the housing endpoint and apply it to other endpoints, such as those on **item.py** and **announcement.py**. By having the logic done, we were able to easily apply it to other endpoints. Going off rendering from the database, Angelo collaborated with Benjamin to create a way to render images without storing it in the database, rather, in the project itself. By applying the logic for this, we were able to successfully have dynamic images render from what the user would submit.

b) Frontend:

Frontend features that Angelo worked on was getting the logic right to render database data on:

i) housing.html file

By getting the logic right, we are able to apply this to all the pages that fetched data from the database, which are basically all the main pages for items, announcements, restaurants, etc. We were able to restrict users from inputting invalid housing prices. (i.e with 3 decimal places)

ii) item.html file

We also were able to restrict users from inputting invalid item prices. (i.e with 3 decimal places)

c) Documentation:

i) Database Architecture:

Things for the M3 document that Angelo helped on was working with Benjamin to get everything from our database architecture read. Furthermore, he helped Benjamin revise our Database model to account for the changes we had.

Benjamin:**a) Backend:**

Everything that Benjamin did for the backend includes:

i) The entirety of the “database” folder in gator_connection.

Here, Benjamin set up the logic for the endpoints for our announcements, housing, items, and authentication section. This means that Benjamin set up the logic of us being able to post to the database. Here, by setting up the logic for us being able to post to the database, we were able to have dynamic data. Furthermore, Benjamin also set up the entirety of our authentication system, which includes the logging in and registering of accounts, registering for different accounts(student, admin, super user), and showing which data would render on a page depending on what user was logged in as. For example, someone who was not logged in would not see buttons to write a review for restaurants. Benjamin also set up our search system for this milestone. The search feature works across the home page, housing page, and item page. Benjamin also set up custom exception classes, for when we would run into exceptions, such as when a user gets their login wrong, or if they register with an email that's already in the system.

ii) The entirety of our MySQL DataBase and Schema.

Here, Benjamin set up the entirety of our schema in MySQL. He named the schema “**gator_connection**”, and set up all of the tables inside the schema as well, with all the properties that would come with it, such as a table that has a row that would only accept unique values.

b) Frontend:**i) The Restaurant Detail Page**

Benjamin revamped Bikram’s restaurant_post(1-3).html page into restaurant_detail.html so that it showed data from the database and added a related restaurant column to increase the usefulness of the page for users.

ii) Cards for the Announcement and Restaurant Pages

Benjamin created the cards that layout each announcement post and restaurant post.

iii) Added Mission Statements to each Main Section Page

Benjamin formatted and added mission statements to the sections: Announcements, Housing, Items, and Restaurants.

iv) Created Terms and Conditions & Privacy Policy

Benjamin used a terms and conditions generator and a privacy policy generator to create our website’s Terms and Conditions and Privacy Policy. He also edited the wording of these documents so they more accurately represented our website.

v) The Notifications Page

Benjamin revamped Bikram's notification.html dummy page to have a "Requests" section where users can see requests such as housing listing requests and item requests. Super Users can see account requests and restaurant requests.

c) Documentation:

i) Database Architecture:

Benjamin revised our Database model to account for our schema that he set up.

Alec:

a) FrontEnd:

FrontEnd pages that Alec implemented features on are:

i) announcements.html

On announcements, features that were implemented were the tab system to switch between athletics, organization, and department.

ii) navbar.html

Switched the navbar background color to what it is now.

iii) item_detail.html, housing_detail.html

Alec designed the layout for all the “shop” detail pages

Features that were implemented by Alec were:

i) basic modal structure shown on all the pages.

After setting up the basic modal layout on housing, Alec tasked Bikram and Benjamin mostly to apply these modals to the other pages.

ii) revamped button

After Lakshita finished her button design, Alec designed a smaller button from her design for all “edit”, “interested”, “delete” buttons across all other pages.



iii) Password Validation

Alec implemented a password validation for the registering boxes, so that a user can only register if their password is 7 or more characters.

b) Documentation:

i) WireFrames:

Alec tasked out the front end team and himself to do the rough drafts of the wireframes. After those rough drafts were done, Alec designed how the overall website would look by setting up diagrams to show which pages would lead to what. After that, Alec revised the rough draft wireframes to what they are now to account for the website.

ii) Functional Requirements v3:

During a team meeting, Alec had the team decide which ones were priority 1 requirements to account from the feedback from the professor.

iii) Data Def v3:

Alec saw that there were no changes to this section, so we left it as is.

iv) High Level Diagrams v2:

Alec revamped the entire Application Network and Deployment Diagram to match the professors feedback. Alec also decided that the UML diagram was fine as it.

v) List of Contributions:

Alec filled out this section, detailing what people did for this milestone, whether it be for the document or for the horizontal prototype.