



# Final Project

## for SW Engineering

### Class CSC 648-848 Spring 2019

### Team 9 Milestone 3

**GatorRooms.com**

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# 1. Summary of Feedback

For Milestone 3 we presented our website for Product Review and received feedback to improve the way features are presented on the site so that it is easier for any user, without having to log in, to enjoy most of the site. Usability issues such as appearances of buttons, icons, and general visibility, at level 1 of the site, meaning the level for any user, without having to log in, was good to surface at the time and gave our team a list of tasks to fix. Additionally, there was also feedback regarding commenting on code, adding more descriptive comments on github, that would overall improve the sustainability of the site for other engineers managing the site.

## 2. Our Plan

Our plan following the feedback was to continue to build out P1 of the website, while making fixes to the changes that were highlighted during the UI review session. The team had built several pages by the time of the Product Review feedback and we incorporated feedback given while still balancing continued work on P1 items.

## 3. Fixes and Build

### a. Fixes for Feedback from Product Review session completed and those at risk

Below is the list of fixes that were completed. For the final demo, there are items on this list that were not on our P1 list, such as Search button on nav at all times, or changing icon has different images, and posting as level one. We, were unable to deliver filtering by distance, 1 item that was listed on our P1.

Status	Page/Feedback Type	Feedback/Edits
Done	Github	Don't use feature/team member name as branch name, but just the feature as branch name
At Risk	GLOBAL comments	Search button to be on the nav at all times. The search must be always there(visible) through every page.
Done	GLOBAL comments	About Tab should be visible at all times
Done	Search (including search field validation)	In the search field, we enter zip code , address, or city like zillow ( there's no way to validate zip ), but search functionality is finished
Done	Search (including search field validation)	40 character field validation ( he will test 0, 1, 25, 40 and 41 characters)
Done	Search Details and maps (if applicable)	Needs to open in a separate page, not occupy the same page ( listing details with map )
Done	UI responsiveness (resize the browser)	Done
Done	Performance (e.g. display of results list)	Good

Done	Messaging/contact seller/user (if applicable)	When clicked the apartments need to open in a separate window, not occupy the same window
Done	Search Details and maps (if applicable)	Listings/Details page should have Maps link and Contact Landlord link
At Risk	GLOBAL comments	Instead of “i” icon we can have a logo
Done	Google Analytics	Add google analytics
Done	Google Analytics	Create screenshot of Analytics dashboard
Done	Github	Comments on Github can be more specific, ex. made this code change on this file, so that blabla
Done	Coding style and documentation	Coding Style added to the Github repo
Done	Coding style and documentation	Documentation, exists for tools, setting up database, react tutorial , and aws
Done	Screenshot of Trello	Screenshot of Trello
Done	GLOBAL comments	Add a welcome message. All pages should have “Welcome to GatorRooms.com. A place where SFSU students rent apartments” Each page must have a title
Done	Dashboards (user, admin)	Admin dashboards need to Approve , Reject, Delete a posting and Delete a User.
At Risk	GLOBAL comments	Have post regardless of logging in or not . Posting button should be visible on nav at all times and anyone start posting without logging in
At Risk	GLOBAL comments	When they hit submit on the posting form at that time they will be prompted to login
Done	Search results	Looks good, need apartment images, make sure they are royalty free
Partial	Filtering	Add Distance to SFSU , and Price filters ( we have price filter )
At Risk	Filtering	Icon with the text to replace image sorting feature on the right of search field, instead of icons
Done	Messaging/contact seller/user (if applicable)	Messaging page should be clear which apartments are being discussed
Done	Messaging/contact seller/user (if applicable)	Show messages with dates
Done	Data Upload	Use the Listing Form
At Risk	Data Upload	Posting should at level one but not at level four.
Done	Listing Form	Create new listing form needs to have housing type dropdowns higher
Done	Listing Form	Upload image button needs to be bigger
Done	Listing Form	Form width overall needs to be more narrow
Done	Listing Form	Only one image to be uploaded
Done	Listing Form	Submit button should be farther to the right
At risk	Listing Form	Put a red asterisk or flag fields somehow to be clear what is mandatory , see mock ups

Done	Listing Form	Next to the submit button have a text that says "Postings may take up to 24 hours for publishing"
Done	Screenshot of DB tables	Presented at Product Review
Done	GLOBAL comments	Don't hide Login and Register, expand the buttons
Done	Login/Registration	Password needs to be encrypted in the database, not clear text
Done	Login/Registration	When user enters password, it should be masked, not visible to the user
Done	Login/Registration	Add captcha ( Just added a static image with the code )
Done	GLOBAL comments	Smaller buttons(maybe?) Make buttons look like buttons

## b.P1 items we delivered and one at risk

All major committed functions this team will deliver (P1):

### User - Guest User

- ✓ User shall be able to browse the list.
- ✓ User shall be able to sign up and register.
- ✓ User shall be able to sort the list ascending, descending date of posting and monthly rent price.
- ✓ User shall be able to click display the property's larger version of the image.
- ✓ User shall be able to review the listings quickly whether they are on mobile or desktop.
- ! User shall be able to sort based on distance to the campus.
- ✓ User shall be able to review the About page and read team's profile on mobile and desktop easily.

### User - Registered User

- ✓ Users shall be able to login to their accounts.
- ✓ Users shall be able to post after the post have been approved by admin.
- ✓ Users / Landlords shall be able to publish multimedia like images so that students can view it.
- ✓ Users/ Renters shall be able to send a message from their dashboard to the landlord/listing owner.
- ✓ Users / Landlord shall have a dashboard allowing them to review messages from user and contact the student.

### User - Admin

1. Admins shall be able to login as admin.
2. Admins shall be able to review, remove, approve listings before they go live.
3. Admins shall be able to reject but not modify the listings from customers.

## 5. Original feedback from UI session

### 1. UI and functionality feedback (P1 functions only)

Home page

GLOBAL comments

Have post regardless of logging in or not . Posting button should be visible on nav at all times and anyone start posting without logging in

When they submit the posting at that time they will be prompted to login

Search button to be on the nav at all times. The search must be always there(visible) through every page. Instead of “i” icon we can have a logo

Don't hide Login and Register, expand the buttons

Add a welcome message. All pages should have “Welcome to GatorRooms.com. A place where SFSU students rent apartments” Each page must have a title

About Tab should be visible at all times

Smaller buttons(maybe?) Make buttons look like buttons

Search (including search field validation)

In the search field, we enter zip code , address, or city like zillow

Search results

Looks good, need apartment images, royalty free

Filtering

Add Distance to SFSU , and Price filters

Icon with the text to replace image sorting feature on the right of search field, instead of icons

Search Details and maps (if applicable)

Listings/Details page should have Maps link and Contact Landlord link

Needs to open in a separate page, not occupy the same page

Messaging/contact seller/user (if applicable)

Messaging page should be clear which apartments are being discussed

When clicked the apartments need to open in a separate window, not occupy the same window

Show messages with dates

Data Upload

Use the Listing Form

Posting should be at level one but not at level four.

Listing Form

Create new listing form needs to have housing type dropdowns higher

Upload image button needs to be bigger

Form width overall needs to be more narrow  
Only one image to be uploaded  
Submit button should be farther to the right  
Put a red asterisk or flag fields somehow to be clear what is mandatory , see mock ups  
Next to the submit button have a text that says "Postings may take up to 24 hours for publishing"

Dashboards (user, admin)

Admin dashboards need to Approve , Reject, Delete a posting and Delete a User.

Login/Registration

Password needs to be encrypted in the database, not clear text

When user enters password, it should be masked, not visible to the user

UI responsiveness (resize the browser)

Done

Performance (e.g. display of results list)

Good

Github

Don't use feature/team member name as branch name, but just the feature as branch name

Comments on Github can be more specific, ex. made this code change on this file, so that blabla

## ***2. Brief review of coding, github, database etc.***

Be ready to show examples of code so coding style and documentation can be checked. Same with github (file organization e.g. MVC, comments on code posting etc.)

Github

Don't use feature/user name, but just the feature

Comments on Github can be more specific, ex. made this code change on this file, so that blabla

Coding Style added to the Github repo

Documentation, exists for tools, setting up database, react tutorial , and aws

Also be ready to show DB tables and data in them using the tool of your choice (e.g. whatever your site admin would use). Stored PW will be checked for encryption.

Presented at Product Review

## ***3. Project status – be ready to verbally explain status of the issues below***

a) *Teamwork*: is the team working out, any related issues

Working good here , all team members are contributing. Those who have less Javascript/ReactJS familiarity will reach out for help and help with other aspects of the project.

- b) *Risks*: all actual (not hypothetical) risks (schedule, technical, skills etc.) should be identified and either resolved or plans made how to resolve them asap.

AWS port 80 not working. Need to troubleshoot.

- c) *Coding practices*: by this time you should have decided which coding style to use and actually use it, so be ready to report on this. Actual code will be verified

Coding style posted on Github

- d) *Usage of proper SE code management practices*: be ready to comment on how you manage code submissions, reviews, build and test etc. This will be verified by looking at actual code and server logs

We have multiple Leads as Github pull request reviewers to manage overall project development and code reviews.

- e) *How did you address site security and safe coding practices*: PW management, use of secure protocols, checking for valid inputs etc.

We have implemented form validation for the new listing submission form , listing and image admin approval will later be integrated to provide security. We also plan to implement session tokens per logged in user to manage user access and authentication.

- f) *Digital content* (e.g. images, video) please provide information on status and availability, chosen formats, resolution etc.

Images are in the SQL database

- g) Other

#### **4. List of P1 features committed for delivery**

First Priority (P1)

User - Guest User

- P1-Guest-1. User shall be able to browse the list.
- P1-Guest-2. User shall be able to sign up and register.
- P1-Guest-3. User shall be able to sort the list ascending, descending date of posting and monthly rent price.
- P1-Guest-4. User shall be able to click display the property's larger version of the image.
- P1-Guest-5. User shall be able to review the listings quickly whether they are on mobile or

desktop.

P1-Guest-6. User shall be able to sort based on distance to the campus.

P1-Guest-7. User shall be able to review the About page and read team's profile on mobile and desktop easily.

### User - Registered User

P1-Reg-1. Users shall be able to login to their accounts.

P1-Reg-2. Users shall be able to post after the post have been approved by admin.

P1-Reg-3. Users / Landlords shall be able to publish multimedia like images so that students can view it.

P1-Reg-4. Users/ Renters shall be able to send a message from their dashboard to the landlord/listing owner.

P1-Reg-5. Users / Landlord shall have a dashboard allowing them to review messages from user and contact the student.

### User - Admin

P1-Admin-1. Admins shall be able to login as admin.

P1-Admin-2. Admins shall be able to review, remove, approve listings before they go live.

P1-Admin-3. Admins shall be able to reject but not modify the listings from customers.