



Milestone 3

Team 08

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1. UI AND FUNCTIONALITY FEEDBACK

1.1 Home Page:

- 1.1.1 We need to add some SFSU related words
- 1.1.2 Our main image should be replaced by a couple of recently posted listings.
- 1.1.3 We need to move the “About” and “Post” to the left side of the navigation bar.

1.2 Search (including search field validation):

- 1.2.1 It's important that we resolve our persistence issues and ensure search validations

1.3 Search Results:

- 1.3.1 Instead of displaying the SQL query, we should display “Show 1 out of 1” when displaying the results of a recent search.
- 1.3.2 Our search results page should have clickable images.
- 1.3.3 When displaying all of the results after a search has been conducted, display “Showing 55 results” instead of “showing all results”.
- 1.3.4 All the cards should be the same size and aligned (have the line around the boxes)

1.4 Filtering:

- 1.4.1 Replace the input field boxes to ranges of radio buttons e.g. “less than \$500, 501 – 1000”
- 1.4.2 We need to remove property type from the side panel (distance and prices is number 1, 2-3 filter only).
- 1.4.3 For usability, flip the filter and clear button positions on the side panel.

1.5 Search Details and Maps:

- 1.5.1 When clicking on the “more info” button, we should make the main apartment image smaller and put the map of the listing to the right of the listing image.
- 1.5.2 The “more info” page should include “distance” and the “property title”
- 1.5.3 Put distance and the property title on the page.

1.6 Messaging/Contact seller/User:

- 1.6.1 It shouldn't lead to dashboard because they might not have even registered yet.
- 1.6.2 A reply function is not needed. Users should only be able to see the messages and contact them.
- 1.6.3 When hitting contact the seller it should have the apartment info pre-populated, let them enter their contact information in another box, cancel(left) and send(right) button.

1.7 Data Upload:

- 1.7.1 We need to increase the sizing of the font of the posting

- 1.7.2 Make sure to maintain the alignment of the test and only have a single column.
- 1.7.3 We need to Mark the mandatory fields using '*' and '* Mandatory field'.
- 1.7.4 The posting form should have a cancel button
- 1.7.5 After submitting the form, users should be presented with a message, indicating that it may take up to 24 hours for the post to be reviewed

1.8 User and Admin Dashboards:

- 1.8.1 The login page needs to:
 - 1.8.1.1 Have larger text
 - 1.8.1.2 Have an implemented captcha
 - 1.8.1.3 Have a link for a user who has forgotten their password.
- 1.8.2 The log in button that is located in the login page needs to have a link for a user to register on the site. It should be located under the button, shifted to the right
- 1.8.3 We need to make sure that after logging in, the user's dashboard should have a "Welcome (Username)" displayed.
- 1.8.4 To improve the layout of the navigation, move it from the side to the top center of the page.
- 1.8.5 When a user is clicking to obtain additional info on a listing, the listing should open to another tab.
- 1.8.6 In the user/admin dashboard, include another tab that lists (pending listings). If we have time, make the listings sortable.
- 1.8.7 When user is viewing all of their messages in dashboard, remove the "reply" button.

1.9 Brief Review of Coding, GitHub, Databases, etc.:

- 1.9.1 For branches, it is recommended to have a development branch to test everything before it gets merged onto Master.
- 1.9.2 It's important to make separate branches for each feature being developed and name specifically, not "pages-sprint", more like "ui-resultspage"
- 1.9.3 Our commit messages need work. Commit messages such as "Update result pages" is not a good message. Instead, we should rewrite it as "update results page to add new buttons" or "update results page to make buttons clickable." Use keywords so the commit messages can easily be browsed and searched through.
- 1.9.4 Also, instead of writing "remove unnecessary lines" change the commit message to "remove unnecessary lines in results page"

1.10 DB tables and data in them using the tool of your choice (e.g. whatever your site admin would use):

- 1.10.1 Copy images that you own because you don't want to rely on someone else's server that might change its path. Have like 20 images of our own.
- 1.10.2 Make sure passwords are hashed/properly protected. Do not store as plain text.

2. PROJECT STATUS

2.1 Teamwork:

- 2.1.1 Currently, we are working on communication and contributing our assigned tasks on time.

2.2 Risks:

- 2.2.1 We currently have no risks. All have been addressed and resolved appropriately.

2.3 Coding Practices:

- 2.3.1 Our tables will consist of consistent basic database table names.
- 2.3.2 Our GitHub comments need to be descriptive and specific.
- 2.3.3 Our variable names need to be easy to understand, if they aren't, include a comment where the variable is defined, stating what the purpose of that variable is.
- 2.3.4 Our GitHub branches should be specific. A single branch should not consist of multiple, large changes to the site.

2.4 Digital Content:

- 2.4.1 Status: Complete
- 2.4.2 Chosen formats: .jpg
- 2.4.3 Availability: Free to use
- 2.4.4 Resolution: 3715 x 2362

2.5 Addressing Site Security and Safe Coding Practices:

- 2.5.1 Site security and safe coding practices have been ensured. We are protecting the user's personal information by protecting and encrypting passwords via the Bcrypt library.
- 2.5.2 The site is being protected from spam, automated accesses and extractions with reCaptcha
- 2.5.3 To secure our images, we used the **secure_filename()** function, as recommended by the **Flask Documentation Release 0.9 Dev**, to secure a filename before we stored it.

2.6 Usage of Proper SE code management Practices:

- 2.6.1 Code submissions are being reviewed through pull requests. Once a branch that is comprised of a feature is thought to be complete, a pull request is made. The individual who makes the pull request is required to tag, at minimum, 1 team member to review and test the code on their local device. The number of members tagged to test depend on the size of the change. Once this change has been reviewed, tested and confirmed to have no conflicts with the master branch, per the approval of the GitHub Master, it is merged.

2.7 Other:

- 2.7.1 Based on the feedback we have received; we are now focusing on fixing up the UI pages. If we can't do admin page, drop it and do the demo using workbench or PHP or MySQL.
- 2.7.2 We will optimize the user features first. An example of this would be prioritizing the distance filter over the admin features.

3. LIST OF P1 FEATURES COMMITTED FOR DELIVERY

3.1 Login & Registration:

- 3.1.1 Users shall be able to log in to their account with some form of captcha.
- 3.1.2 Users shall be able to register as a user of the website with some form of captcha and acceptance of terms.

3.2 Home Page:

- 3.2.1 Shall greet the user for visiting the site and state the purpose of the site.
- 3.2.2 Shall display recently added listings.

3.3 Searching Functionality:

- 3.3.1 Users shall be able to filter depending on listing type.
- 3.3.2 Users shall be able to filter according to zip code.
- 3.3.3 Users shall be able to filter listing results by price range, postcode, distance from campus, rent-type, rent-type price, if pets are allowed, and if the rent-type is shared.
- 3.3.4 Users shall be able to search by text (up to 40 alphanumeric characters) in the search bar.

3.4 Search Results:

- 3.4.1 Users shall be able to view search results with images as thumbnails.

3.5 Details Page with Map:

- 3.5.1 When clicking for more info regarding a specific listing, users shall be able to see more details about the property and a map.

3.6 Messaging:

- 3.6.1 Users shall be able to message the landlord inquiring about a listing.
- 3.6.2 Users shall be able to access messages regarding their own properties.
- 3.6.3 Users shall be able to message the Admin through the Contact Us page, regarding any concerns.

3.7 Posting:

- 3.7.1 Shall be able to post a listing for rent.
- 3.7.2 Shall be able to upload an image.

3.8 User Dashboard:

- 3.8.1 Users shall be able to view their listings.
- 3.8.2 Users shall be able to view all received messages regarding their listings.

3.9 Admin Dashboard:

- 3.9.1 Users shall be able to access their dashboard via a special login id.
- 3.9.2 Admin users shall approve or disprove listing results before they go live on the site.
- 3.9.3 Admin users shall delete any listing.
- 3.9.4 Admin users can block or delete any user for misuse.

3.10 Additional Priority 1 Tasks Specified by the CEO:

- 3.10.1 Shall work on two browsers (Chrome 74.0.3729.131, Safari 12.1).
- 3.10.2 Pages shall be responsive and render well on mobile (e.g. the home, search results, details and maps).
- 3.10.3 Passwords shall be encrypted in the database.