Template: <https://drive.google.com/file/d/1n1DuG1TuZFQVqUF52-m6dhiZMs_jkr0G/view>

System and Unit Test Report

Circular Barter & Gift

Release 1.0

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We mostly used manual testing to validate our work. After implementing a feature, we would check it’s functionality using mock inputs. The team member who implemented the feature would also send a message about it in discord so other members could try it and verify as well. We did this to catch bugs/ issues that were not caught by the original programmer.

System Test scenarios:

*As a person who doesn’t want to spend too much time on creating an account, I want to create my account with Google.*

* Click on the account icon in the top right
* Click “sign in with Google” button
* Enter the details for a valid ucsc gmail account, or select one.
* Sign in

Verify

Check that the email address appears.

User Story *(5) As someone who wants to give something away, I want to be able to create and post a listing so that other users can make offers.*

* Log in with Google account (above steps) so we can post something
* Click + at the bottom right corner of the home page
* Fill out the form (Title, Description, Image URL, Requests, giveaway)
* Click submit

Verify

Make sure the listing is showing on the listing page and all the information are correct

User Story 1  *(5) As a user, I want a list view of items for barter so I can find out what’s available in Santa Cruz.*

* Open the website in your browser

Verify

Listings will be available for viewing in the front page

*User Story 3: (5) As someone who posted an item listing, I want to be notified within the website when I get a trade offer for an item.*

* Open the Circular website
* Check if the notification bell icon has a badge with a number, if so, that means there are new notifications
* Click the notification icon and a list of notifications will appear for any offers on any of your listings. Read notifications will have a dimmed color.

Verify

Check that the number of notifications is consistent with the badge number, and that read notifications will turn grey and decrement the badge number.

User Story 5  *(7) As someone interested in an item listed, I’d like to make an offer to exchange it for something I have.*

* From the home page, make sure there are listings available (create one if not)
* Click on the image of a post’s card
* Scroll down to the ‘Offer’ button and click it
* Fill in the details for an item to be offered, including title, description, and an image URL
* Click submit

Verify

Reload the page. Click on the listing you just made the offer under, and scroll down to check that it is there and consistent with the inputs you provided

*As an item poster, I want to be able to delete a post because I no longer want to trade an item.*

* Login with any Google account
* Create a listing
* Login with another account in another page and add an offer to that listing
* Delete that offer and refresh page to check that offer deletion works
* Re-add the offer
* Then log in with the original account, delete the listing then refresh the page

Verify

Use DBeaver to check the entries in the database before and after each deletion to make sure the database is in the correct state.