System and Unit Test Report

Resourceful Upcyclers Winter 2018
Project Sponsor: Todd Anderson
Team Members:

- Sean Gordon
- Ryan Schouweiler
- Riley Honbo
- Andrew johnson

Goal: Build a system that can accomodate surplus offices or other warehouse businesses that can list their inventory online and facilitate communications between suppliers, donors and Non-Profit customers.

All User Stories and associated System Test plans:

Sprint 1:

1. As a developer, I want to do the Django tutorial so that I can build a website the right way
   a. Verify all developers have gone through the entire Django tutorial (honor system).
2. As a developer, I want to use most git commands, so that I don't have trouble using GitHub later in the quarter
   a. Have a GitHub repository created and be able to push and pull from it
   b. Verify everyone can resolve a simple merge conflict.
3. As a user, I want to be able to see a homepage so that I know the site works. As an owner, I want a secure account for my business so that my business has secure access to site functionality
   a. After running Django, be able to load a webpage with some text on it.
4. As a potential customer, I want an account so that I can use the full functionality of the site
   a. Create 2 accounts (Owner and Customer profiles)
      i. Verify Owner key successfully works
      ii. Verify Sign-Up page actually creates accounts
   b. Log in to the newly created accounts
   c. Log out of the accounts

Sprint 2:

1. As a donor, I would like to post a request to donate to the owner so that I can offer them donations
   a. Be able to create donation ticket
   b. Be able to view ticket from admin interface
   c. Automated donation unit tests run successfully
2. As an owner, I would like to see all donations that customers want to give me, so that I can pick out items I like

a. View all donations currently in the database on the live webpage
b. Click the "edit" button, make a change to it, verify that you can see the change.
c. Click "show interest" in the edit page. Make sure that the interest is viewable from the "all donations" page.
d. Click the "Interested" tab on the top right. Verify all interested donations show up.
3. As an owner, I want to post offers so that I can sell my products
a. Be able to create an offer
b. Be able to view Offer in admin interface
c. Click "edit" button to edit offer. Verify changes were successful.
d. Automated Offer tests run successfully
4. As a potential customer, I would like to view business' offers to find products I want
a. View all donations currently in the database on the live webpage

Sprint 3:
1. As a customer I would like to navigate through product categories so that I can find similar items
a. Create categories, and attach them to item models
b. Verify by viewing the items after editing
c. Verify category association by clicking individual categories
2. As a customer, I would like to search for items based on their tag descriptions so that I can find what I'm looking for and see certain items I am interested in
a. Attach tags to item models
b. Verify by viewing the items after editing
c. Search for an existing tag to find all offers associated with it.
3. As a customer and owner, I would like a receipt system for my donations so that I can view everything I've given to the owners
a. Using an existing donation verify that the receipt button prints out a valid receipt
b. For each donation that is declined, verify that a field exists showing a possible reason for it being declined.
4. As an owner or customer, I would like to see the quantity of an offer/donation so that I know how much I'm getting, and whether an item needs to be picked up remotely
a. Create and edit offers with quantity fields

Sprint 4 (One week):
1. As a user, I would like to be able to visit and see the website online in all of its glory so that I can use the site
a. Production code is on "prod" branch
b. Host the website on AWS and be able to access all functions
2. As a user, I would like the the website to be consistent so that I don't feel lost while using the site
a. All forms, pages use same general style
3. As an owner, I would like the code to be stable so that my business' data isn't changed or lost while I use the site
a. Existing bugs surrounding offers are fixed.
b. Editing an offer no longer resets quantity field.

<u>Unit Tests</u>

Unit Tests under /website/apps/item/tests.py

- To run unit tests, install the site, and run "python manage.py test website.apps.item"