

Release Plan 1.0 (CS 116)

Resourceful Upcyclers Team:

- Sean Gordon: Dev, (Project Owner - In Class)
- Ryan Schouweiler: Dev, Scrum Master (Sprint #)
- Riley Honbo: Dev, Scrum Master (Sprint 1, #)
- Andrew Johnson: Dev, Scrum Master (Sprint #)
- Todd Anderson (Project Owner/Sponsor)

Project Title: Resourceful Upcyclers

Sprints: Every 2 weeks (Possible 1 week in Sprint 4)

- Sprint 1 (1/22/18 - 2/4/18)
- Sprint 2 (2/5/18 - 2/18/18)
- Sprint 3 (2/19/18 - 3/4/18)
- Sprint 4 (3/5/18 - 3/11/18)

Release 1.0 Date: 3/11/18

MISSION

Make businesses more efficient and effective with the help of novel supply chain operations. For example, how to set up a piece of software that'd empower a business to act as a depot for office supplies? Gather the surplus consumables and durable office supplies from the community at large - donations from people's utility drawers, closets and desks. This system would help to categorize these goods and make their storage locatable. Also it'd need to manage incoming requests, attempting to match requestors with the needed goods once sufficient supplies were stocked. This office supply store could redistribute these donated items to no profit businesses in the area at a fraction of the retail price. Empowering these businesses to move their financial resources away from supply costs and into what's best for their service delivery.

Another type of business that could benefit in the same way from this software would actually be your standard auto junkyard. There are parts cataloging systems, but they're outdated. As luck would have it, there is one auto yard left in the city of Santa Cruz, [Anthony's Auto Wrecking](#). The new owners are great people and they hope to make something unique out of their place. A great first step would be in helping them manage the parts and the orders they already deal with on a daily basis

Release Details:

Create a website that allows a warehouse, auto-yard, etc. to accept donated items, log them with detailed information and match items with non-profit organizations looking for them. Owners of the storage location have the ability to accept/decline offers of donation with a

detailed account of their currently available inventory as well as requests for certain items. Customers have the ability to request donating things to the center, as well as buy items offered by the owners, or request an item when it becomes available. Users (both customers and owners) can view categories of items, as well as search for tags associated with items.

User Stories	Story Points
Sprint 1:	
As a developer, I want to do the Django tutorial so that I can build a website the right way	Install Django as well as Python. (0.25 hrs) Go through the Django tutorial on their website. (~1hrs) 7 points
As a developer, I want to use most git commands, so that i don't have trouble using GitHub later in the quarter	Setup GitHub and connect to the repository we will be using. (~1hr) Familiarize ourselves with the git commands and be able to push and pull from the repository. (~1hr) 5 points
As a user, I want to be able to see a homepage so that I know the site works	Create a homepage for Resourceful Upcyclers. (1.5hrs) Create tabs/menu on the homepage. (2hrs) Create login button/signup button. (1.5hrs) 15 points
As an owner, I want a secure account for my business so that my business has secure access to site functionality	Create a business option upon signup. (~1hr) Create a way to verify a business. (some sort of key) (?hrs) 5 points
As a potential customer, I want an account so that I can use the full functionality of the site	Create a customer option upon signup. 10 points
Sprint 2	
As a potential customer, I want to post requests so that I can get the products I want	Create a page that can be filled out with Item name, item amount, price range, and a due date. Have the page be made into a post that the business can see. 10 points
As a donor, I would like to post offers to the owner so that I can offer them donations.	Create a page that only owners can see that lists available donations. Allow the owner to have contact information, etc to contact the donor.

	6 points
As an owner, I want to post offers so that I can sell my products	Create a page for business that can be filled out with, item name, UID/location, item amount, and price. Have the page be published as a post to customers as a product for sale. 6 points
As an owner, I would like to view requests of my business so that I can adjust my inventory appropriately	Create a page/tab that'll list customer requests in a viewable format for a business account. Create a quick view to compare requests to current inventory. 8 points
As a potential customer, I would like to view business' offers to find products I want	Create a page for customer accounts that will list offers posted by the business. 5 points
As an owner I would like to have inventory and location information for my offers so that I can keep track of where my stock is	At first, create a field in the item's information form. Later, potentially creating a GPS location or structure for location 3 points
As a potential customer, I would like to be alerted when my requests are fulfilled so that I can buy the products I want	Setup email notification system. Have this function be customizable by owners 12 points
Sprint 3	
As a owner, I would like aggregate data on what kinds of products I have so that I can keep track of my inventory	Create an organized chart or other display for inventory amounts of products, this can be a separate page or part of the inventory page. 9 points
As an owner, I would like to view data about overall supply and demand of my products so that I can adjust my stock appropriately	Create a page relaying data to the business owner so they can see incoming donations, sales and stock orders in an analysis. 7 points
As a customer I would like to navigate through product categories so that I can find similar items	Begin to create tags Start by categorizing items with specific tags as assigned by the owner. 10 points
As a customer, I would like to search for items based on their tag descriptions so that I can finds I'm looking for. certain items I am interested in	Create a search function that will work on pre-existing tags. Create a search bar on the site. Expand tags to enable user friendly search

	option. 14 points
Sprint 4	
As an owner, I would like to have an “About page” so that people can learn about my business.	For Business accounts, create a page where they can display their business information. Allow Customers to see the page. 2 points
As an owner I would like to have my site accessible from the internet so that people can buy things from me	Host website on heroku or other 10 points