

Project Plan

Resourceful Upcyclers Team:

- Sean Gordon
- Ryan Schouweiler
- Riley Honbo
- Andrew Johnson
- Todd Anderson (Project Owner/Sponsor)

Project Title: Resourceful Upcyclers

Releases:

- Version 1.0 (CS116)
- Version 2.0 (CS117)

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 There are parts cataloging systems, but they're outdated.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 Breakdown:

Version 1.0:

- Create web application that services owners of a storage location (surplus stores, auto yards, etc), and customers offering items to the owners or requesting items from owners
- Secure login
- Ability to create item listing with details such as description, tags, and categorization
- Owners can accept or decline requests to donate, as well as accept or decline offers to buy

- Owners can view their current inventory listings, as well as item details like location and category
- Alert system to notify when items have been requested/posted/accepted
- Customers can browse a catalog of items offered by a company
- End of release: Host the site on a production server (kinvey, heroku, etc.)
- Overall goal is to have a viable product for a single business

Version 2.0:

- Add ability for multiple companies (surplus store locations) to host their inventories on our site
- Data visualization of items with availability and supply/demand.
- Make the site's UI more attractive
- Overall goal is to expand on the work of the previous release to allow multiple businesses to use the site while simultaneously expanding functionality of the product.