

## Trash Collector – Django Web Application – 125 points

Municipal trash collection has remained largely unchanged for decades. It's time to disrupt the status quo with a flexible, online pickup manager that includes the following features:

(5 points): As a developer, I want to make good, consistent commits.

(5 points): As a developer, I want to utilize Django Auth Groups for this application.

(10 points): As an anonymous user, I want to be able to enter my information and sign up, so I can start receiving regular trash pickups.

(5 points): As a customer, I want a navbar that can direct me to links for changing my pickup day, suspending my account, and an account info page.

(15 points): As a customer, I want to be able to select or change my **weekly** pickup day.

(10 points): As a customer, I want to be able to request an extra, **one-time** pickup for a specific date of my choice.

(10 points): As a customer, I want an easy way to see how much I owe this month for the pickups I did get so I can budget accordingly.

(10 points): As a customer, I want to be able to specify a START and END date to temporarily **suspend** my pickups.

(15 points): As an employee, I want my index view to be a list of customers who meet the following criteria:

- Customers in my zip code
- Pickup day is today's day of week
- Non-suspended accounts
- One-time pickup date that falls on today

(10 points): As an employee, I want to be able to filter customers in my pickup area by a particular day of the week to see who gets a pickup for the day selected.

(10 points): As an employee, I want to be able to confirm that I have completed a pickup.

(10 points): As an employee, I want all confirmed pickups to have a charge applied to the customer.

(5 points): As an employee, I want a navbar to direct me to links for my default daily view

(5 points): As a developer, I want to utilize Bootstrap via Bootstrap Content Delivery Network (CDN) **on the base.html parent template** to stylize my templates.

Bonus-

(5 points): As an employee, I want to be able to select a customer profile and see their address with a pin on a map (Google Maps API, Google Geocoding API).

(5 points): As a developer, I want to integrate a payment API to allow customers to make payments on the application.

(5 points): As an employee, I want to be able to see all of my customers on a map for delivery (multiple pins displayed on one map, unique by day).

\*You will be presenting this project to the instructors and classmates on the day it is due. The presentation is not graded.