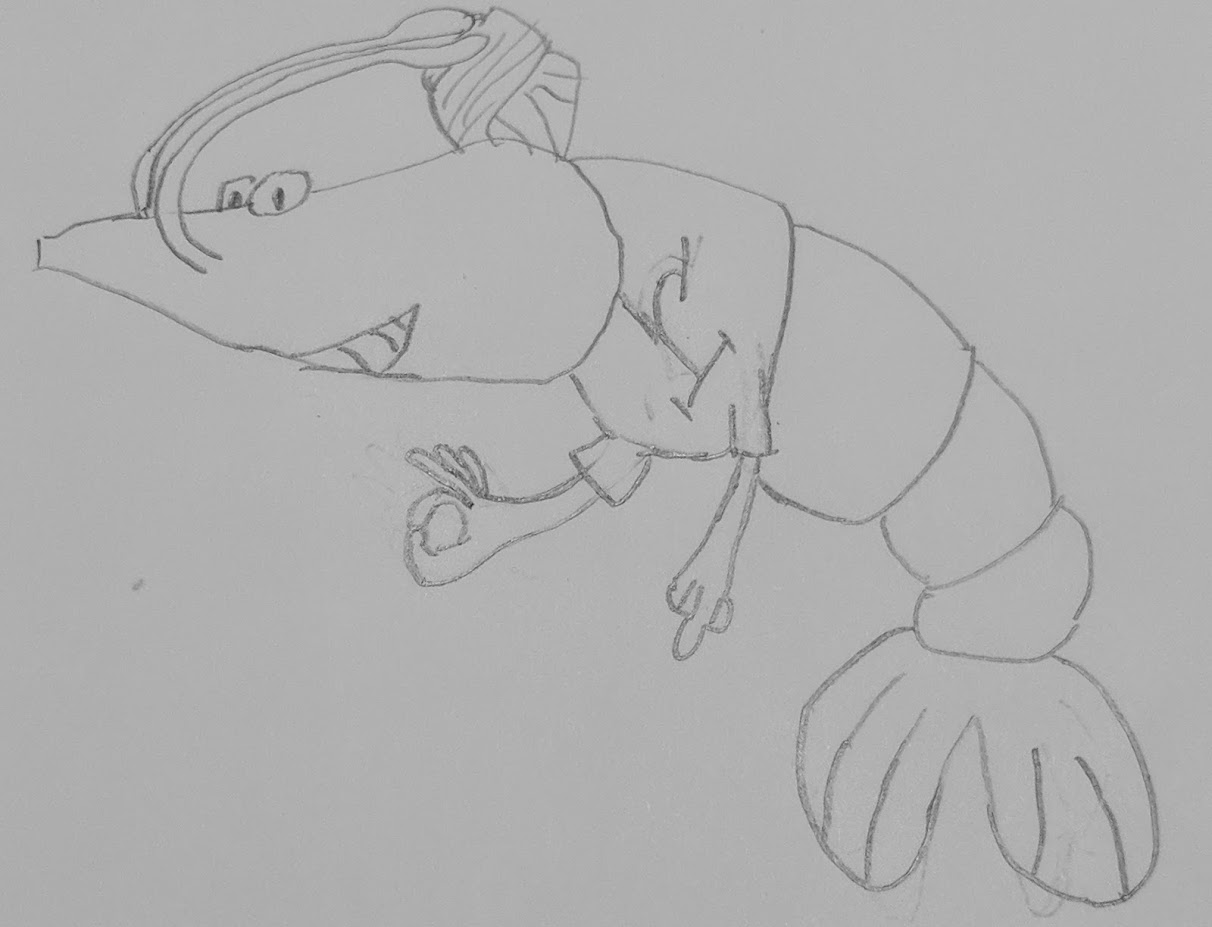
**Project Charter for Recyclr**

Cory Laker, Geoffrey Myers, Pranav Vasudha,

Ryan Walden, Vedant Nevetia, Zachary Rich

**Problem Statement:**

Recycling is important in today’s world, given the number of people and the sheer amount of waste generated on a regular basis. A lot of people/organizations shy away from recycling products because of the cost and the logistical issues associated with it. Recyclr aims to promote collaborative recycling within a community. People who have a lot of products to recycle are encouraged to hold on to it until they have a substantial amount of waste, which they can then put up as a listing on Recyclr, and interested recycling companies can coordinate a time to come pick it up.

**Project Objectives:**

* Incentivize recycling in areas with limited access to recycling programs.
* Allow users and organizations to gain some value for waste that could otherwise be recycled.
* Provide an easy to use service for users to get rid of their recyclable waste

**Stakeholders:**

* Project Coordinator: To be determined
* Project Owners: Development Team
* Developers:
  + Cory Laker - claker@purdue.edu
  + Geoffrey Myers - myers259@purdue.edu
  + Pranav Vasudha - pvasudha@purdue.edu
  + Ryan Walden - waldenr@purdue.edu
  + Vedant Nevetia - vnevatia@purdue.edu
  + Zachary Rich - richz@purdue.edu
* Application Users:
  + Recycling and Landfill/Garbage Disposal companies
  + People with limited access to recycling

**Deliverables:**

* Provide a frontend to the web application using React, giving the users a way to use the app.
* A backend cloud-hosted server and API written in Go using GraphQL.
* Profiles and user authentication for organizations and users.
* Database and persistent data storage using PostgreSQL
* Pickup scheduling and monitoring system for users to be able to keep track of their recycling process holistically.

**Past CS 30700 Projects:**

* **Geoffrey Myers, Zach Rich: Upgrade -** [**https://github.com/Ztrains/upgrade**](https://github.com/Ztrains/upgrade)
  + Upgrade is a mobile application to connect students with tutors and other students to study together. Students can get paired with tutors for 1-on-1 help, or just use class message boards to discuss the class and ask questions.
* **Pranav Vasudha, Vedant Nevetia: Pecan -** [**https://github.com/vnev/pecan**](https://github.com/vnev/pecan)
  + Pecan is a survey application to make and share surveys, with built-in data analysis tools such as graphing, and also some machine learning elements to predict trends in the data.
* **Cory Laker, Ryan Walden: Where@ - (Github is private)**
  + Where@ is a travel guide for tourists looking for a unique local experience such as attractions, restaurants. Furthermore, it provides a chance for local/small businesses to attract a larger customer base. Where@ will allow users to post and vote on locations and experiences.