

# Project:

## Bringing Scrappy Compost to the Web

### Company Overview

Scrappy Compost is a small composting organization in a rural town. Customers who sign up for their service receive a bucket where they can deposit food scraps. Once a week, they can place their bucket on the side of the road, and a driver from Scrappy will collect the bucket and its contents and leave a clean, empty bucket for the customer to use for the week. Customers can request a bag of garden-ready mulch at any time for a small fee, which will be delivered with their next bucket exchange.

The company has a similar model to this company, [Garbage to Garden](#), based in southern Maine.

The owner of Scrappy Compost, Melinda, has been operating the service for a long time, but they haven't done well with keeping up with current technology trends. Currently, they only advertise in the local newspaper, and customers can only sign up over the phone or in person. Melinda has hired *you*, as a business intelligence analyst, and a web developer, Emily, to bring the business online.

### Project Overview

Melinda wants to allow customers to sign up for the service online. Scrappy Compost has a website already, but it only contains information about the service and the business's phone number and address. Melinda wants to add functionality to the website to allow customers to sign up for the service online. Once the customer has subscribed through the website, the customer will be added to the customer database (which is already computerized, phew) and added to the delivery list.

**Below are the details you need to complete a preliminary business requirements document for Scrappy Compost.**

### Company Employees

Scrappy Compost has the following employees (not including *you*, a business intelligence analyst hired as a consultant).

#### *Management*

- **Melinda Greene**, Owner, Operator. Handles all major decisions and accounting.

- **Rakhi Greene**, Chief Operations Officer. Manages company operations and customer database.
- **Clio Mulch**, Facility Manager. Manages the composting facility itself, including hiring and training workers.
- **Mario Flint**, Logistics Manager. Manages the driver team, including scheduling, routing, and hiring of drivers.

#### *Labor*

- **Emily Loam**, Web Developer, hired to expand the website.
- **Dusty Brown**, Facility worker
- **Jim Rock**, Facility worker
- **Austin Slate**, Facility worker
- **Christian Rose**, Driver
- **Patricia Budd**, Driver
- **Dwight Thorne**, Driver

## Requirements Elicitation

In order for you to best understand the project, you were able to speak to Melinda and ask questions. Here's a log of your conversation:

**You:** Hi, Melinda! Thanks for talking with me today. I've gone over your proposal, and I'd love to clarify a few things with you.

**Melinda:** Sounds good!

**You:** First, I just wanted to get an idea of the current process you have for acquiring new customers and how you see the website expansion fitting into that.

**Melinda:** Sure! So, currently customers are all signed up over the phone. When a customer wants to enroll in a subscription or update their subscription, they call the customer service team. If they are a new customer, their credit card and other information is collected by the customer service member and then added to the customer database. If it's an existing or returning customer activating or deactivating their account, then that is changed in the database as well. The facility and delivery manager constantly update their internal process to support any new customers.

In terms of the website expansion, the website should be able to allow customers to create a username and sign up for a subscription, entering the needed information including their name, email address, phone number, and credit card number. They should immediately be added to the database and added to the service. Existing customers should be able to log in at any time

and update their info, such as their address or payment information, or start or cancel a service subscription.

**You:** Great! And you're hoping this will increase signups? How much of an increase are you looking for?

**Melinda:** We're hoping to get at least a 20% increase in subscribers by next spring.

**You:** So, is the spring the deadline for implementing this?

**Melinda:** Yes. We're aiming to launch by March 1. If it looks like we're getting more than a 30% increase, Clio and Mario will need to scale up production, so they'll be very interested in seeing how things progress.

**You:** How will you drive new customers to the website?

**Melinda:** We'll run some ads using Google Adwords, and we're hoping for an 8% click-through rate (CTR), or we'll have to re-evaluate.

**You:** Great, and you're aware of the costs for the web development and advertising?

**Melinda:** Yes, we've budgeted \$50,000 for everything.

**You:** Okay, great! This is enough for me to write up some requirements documentation. Talk to you soon!

**Melinda:** Thank you!

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## Project Directions

Using the information above, your task is to fill out the following business requirements document (BRD) to the best of your ability.

Remember, not all BRDs look the same or have the same components. You should be able to fill out most of the pieces asked for here, but remember that all projects are subject to change. Part of filling out the BRD is to identify points where you may need more information. If that's the case for this, don't be afraid to make note of that!

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# Scrappy Compost Business Requirements

**Business Analyst:** Sagar Manjunath

**Date:** 14.02.2025

**Client/Sponsor:** Scrappy Compost

## Step 1: Project Summary

<b>Project Summary</b>	Implementing website expansion with a goal of increasing the number of subscribers by 20% by 1st of march next year with a total budget constraint of 50000\$ (inclusive of marketing and web development).
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## Step 2: Defining the Business Problem

<b>Main Goal</b>	To ramp up the number of subscribers and facilitate the operations on the website for the customers
<b>Question to be Resolved</b>	Will website upgrades and google ads raise the number of subscriptions?
<b>Context</b>	Use of outdated web practices and inadequate marketing strategies have led to a fall in the number of subscriptions

## Step 3: Goals and Measurements

<b>Goal</b>	<b>Success Criteria</b>
To increase the number of subscribers through new website functionalities	Number of subscriptions by next spring
Increasing marketing via Google ads	Click through Rate

## Step 4: Constraints

Timeline	Next spring
Budget	50,000\$
Resources/Production	Web development and advertising

## Step 5: Stakeholders

*Power/interest grid:*

<b>Keep Satisfied</b> (Low Interest, High Power)	<b>Manage Closely</b> (High Interest, High Power)
<ul style="list-style-type: none"><li>•</li></ul>	<ul style="list-style-type: none"><li>• Melinda Greene (owner, operator)</li><li>• Rakhi Greene (COO)</li><li>• Clio Mulch (Facility Manager)</li><li>• Mario Flint (Logistics Manager)</li></ul>
<b>Monitor</b> (Low Interest, Low Power)	<b>Keep Informed</b> (High Interest, Low Power)

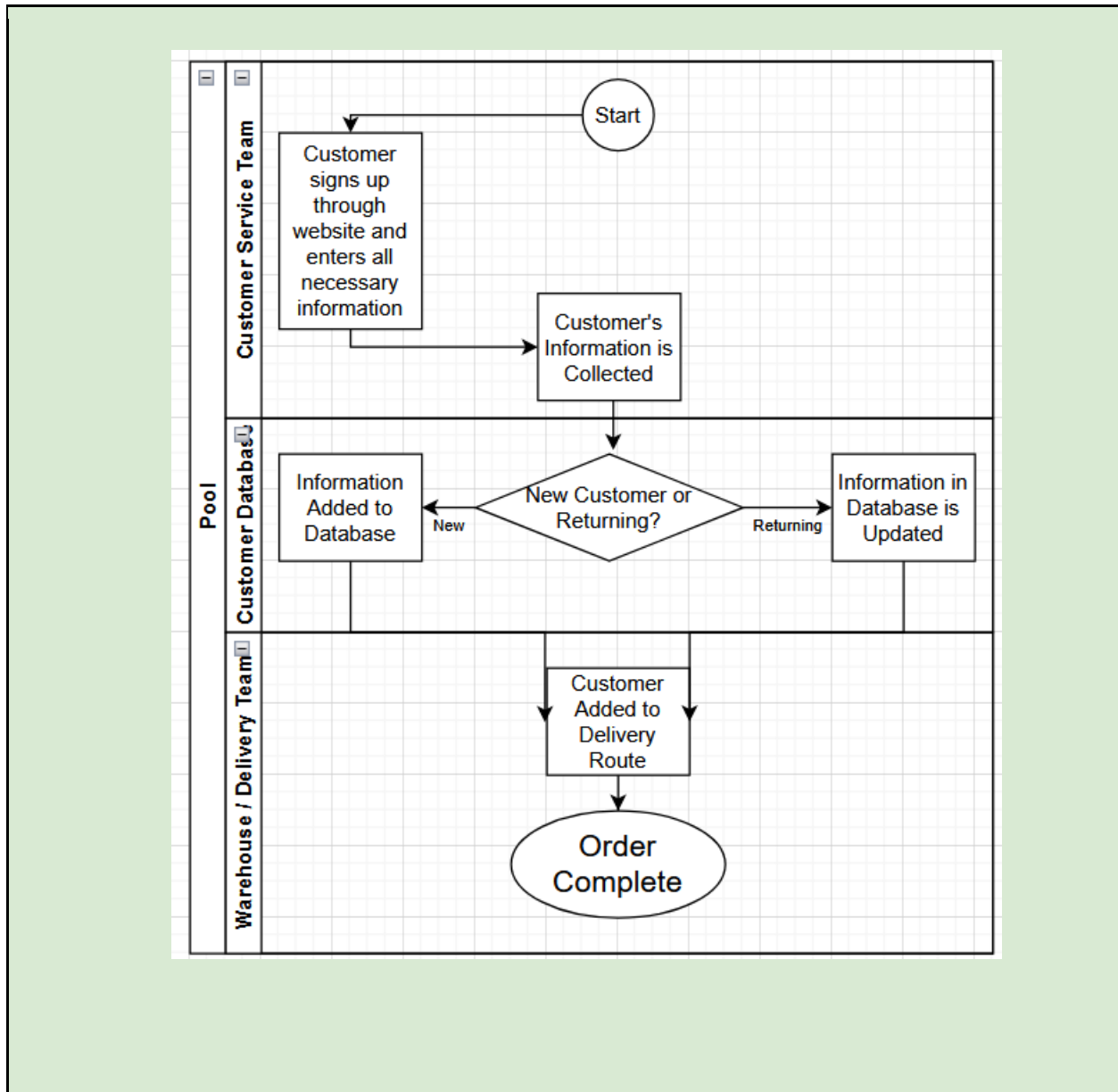
- Dusty Brown (Facility worker)
- Christian Rose (Driver)
- Jim Rock (Facility worker)
- Austin Slate (Facility worker)
- Patricia Bud (Driver)
- Dwight Throne (Driver)

- Emily Loam (Web Developer)

# Functional Requirements

The models below represent the Scrappy Compost's customer acquisition process and business domain models in accordance with the business requirement of Melisa.

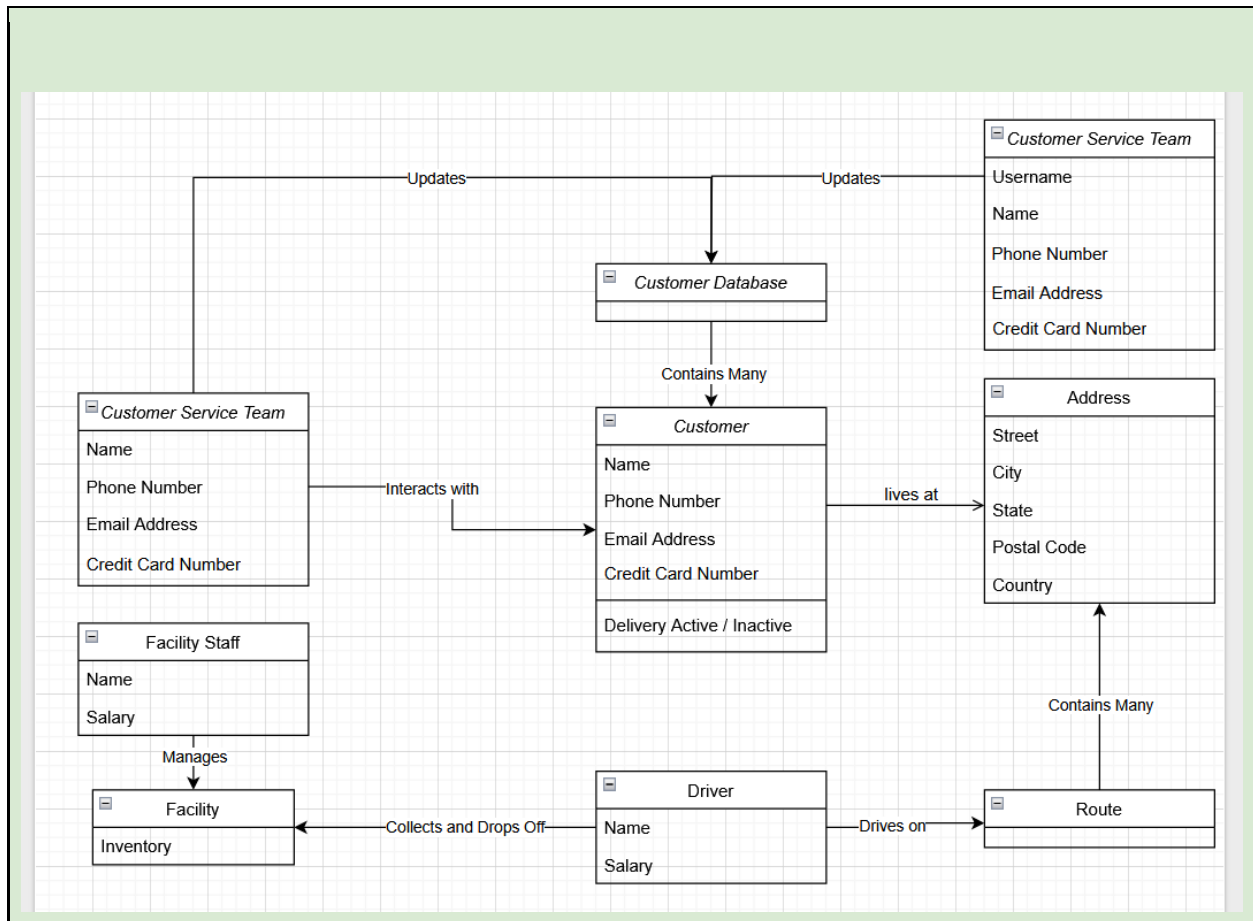
## Process Flow Diagram



The above flowchart outlines the customer service and delivery process:

1. **Start:** Customer signs up and provides information.
2. **Database:** The information is stored or updated (for returning customers).
3. **Delivery:** The customer is added to the delivery route.
4. **End:** The order is completed.

## Domain Model



This Domain flowchart outlines a **customer service and delivery management system**, divided into key sections:

### 1. Updates (Customer Sign-Up/Service)

- **Customer Service Team** collects:
  - Name, Phone, Email, Credit Card details.



- **Customer enters the data themselves through the website:**
  - Name, Username, Phone, Email, Credit Card details.

## **2. Customer Database**

- Stores customer information:
  - Name, Contact details, Payment info.

## **3. Customer Service Team (Business Side)**

- Tracks staff/usernames and their contact/payment details.

## **4. Address Management**

- Full delivery address breakdown:
  - Street, City, State, Postal Code, Country.

## **5. Facility Staff**

- **General Staff:** Manages facilities and inventory (Name, Salary).
- **Drivers:** Handle deliveries (Name, Salary, assigned Routes).