

# Wasteagram

## Functional Specification

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### Overview

The Wasteagram software system enables staff to manage food waste. The system must allow employees to take pictures of wasted food.

### Scenarios

#### Scenario 1: (employee)

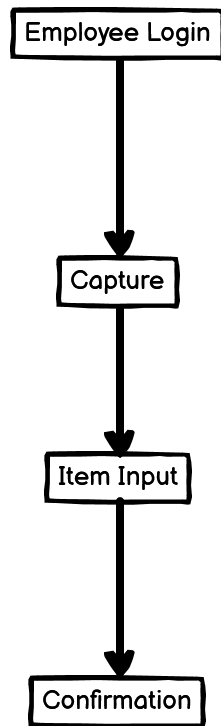
Barry Allen is a Portland resident who's crazy about running. To keep up with affording new shoes, Barry decides to work part time at the local Portland coffee shop. Upon being trained, Barry learns that his closing duty is to gather up all of the unsold items and send a picture of them to the owner; this coffee shop doesn't want to waste food and profits. Luckily, Barry started working at the right time. A new system called Wasteagram has been implemented to make his and the owners' job easier. Barry logs into the work iPad and notices a button labeled, "capture food." Barry is now in the camera mode and he takes a picture of the food by tapping the camera icon at the bottom of the screen. Afterwards, the screen changes to a preview of his recent picture and Barry taps a button labeled OK to proceed. A popup prompts Barry to enter total number of items in the picture, so Barry typing in 7. The next screen shows a contact list so he chooses the owners' name. Another button pops up next to the contact name that's labeled, "Send" so Barry taps on it. Finally, a confirmation popup lets Barry know that the picture was sent successfully. Now that he's finished, Barry logs out of the app by either clicking log out or closing the app. Now Barry puts on his running shoes to head home.

### Non-Goals

- The system will not save past photos of wasted food.
- The system will not have a spreadsheet, the data will still need to be imported to one.

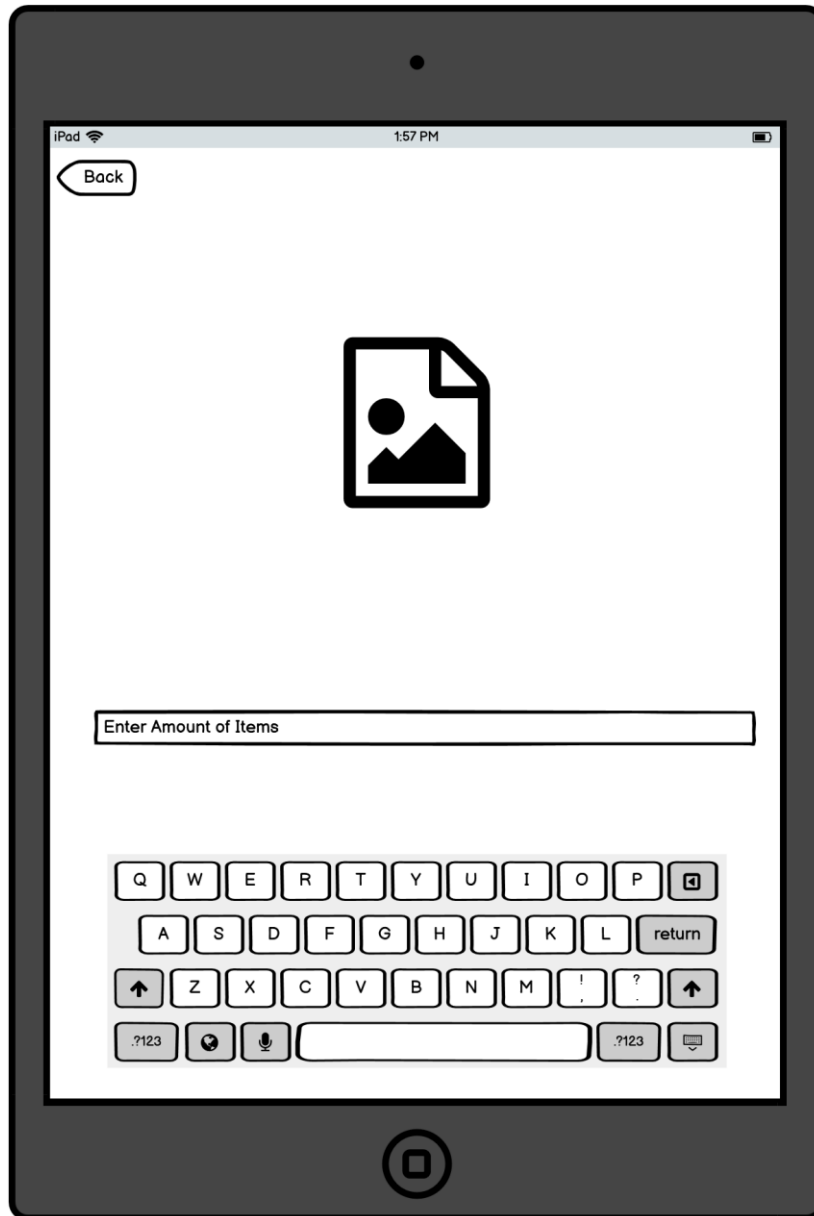
### User Experience Flowchart

Employees:



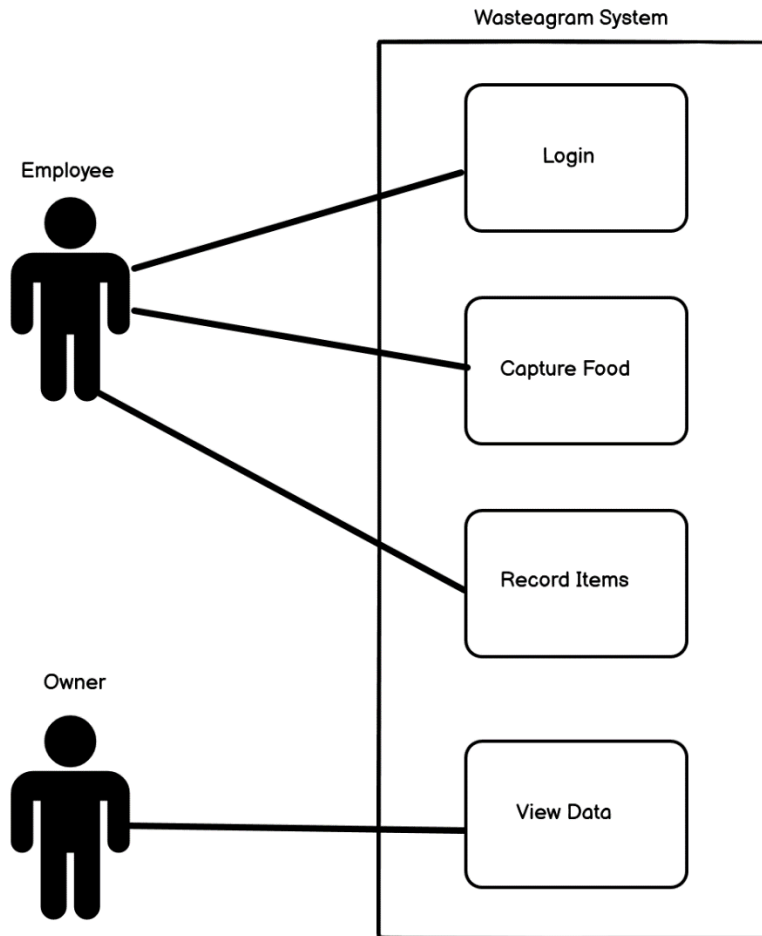
## **Screen-by-Screen Specification**

**Item Input:**



- The Item Input screen will preview the picture that was previously taken and allow the user to type in the amount of counted items below it. If the picture doesn't turn out right, the user can hit the back button to retake a picture.

## Use Case Diagram



## Use Cases

### Employee Captures Food

<b>Title</b>	As an employee I want to take photos of wasted food so that the owner can manage the food wasted by the business.
<b>Primary Actor</b>	Employee
<b>Stakeholders &amp; Interest</b>	Employee wants to take photos of wasted food. Owner wants to obtain picture of food and amount of wasted items.
<b>Preconditions</b>	Employee has access to login to the shops iPad.
<b>Postconditions</b>	Employee views confirmation page.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. Employee clicks on the camera button.</li><li>2. Employee takes picture of food.</li><li>3. Employee types in amount of leftover wood.</li><li>4. Employee sends data to Owner.</li><li>5. Owner views the leftover items for the day.</li></ol>
<b>Extensions</b>	2.1. Employee needs to retake a picture. 5.1. Owner checks the photo to see if the number of leftover items is correct.
<b>Special Requirements</b>	Photo needs to be clear enough to view for the owner.
<b>Technology &amp; Variation List</b>	iPad with a camera, internet to send contents.
<b>Frequency</b>	Once a day.
<b>Open Issues</b>	What happens when an Employee accidentally takes a blurry photo without noticing? Should the owner still have the responsibility of checking the photo to see if the count is correct?