

Working Prototype Known Problems Report

CMPS 115 – Software Methodology

Product: Trash Or Not?

Team Name: RADS

Due: 12/2/2018

- **List of Bugs:**

- Takes a long time to load result
 - ◆ Takes a while for request to reach API call, and then for API to recognize the image and return what it sees
- The database is not robust enough to account for every single possible item that could be entered by the user
 - ◆ There are likely items that we have missed adding to our database, and a user might take a picture of an item that is not yet added to the database
- The database word recognition logic is simple and will not recognize a scrambled order of multiple words within the input string
 - ◆ CloudSight API returns a descriptive result that includes a lot of adjectives. Right now, we are assuming that the last 1 or 2 words, minus the adjectives, will be present in the database. However, we do not know for sure if CloudSight will sometimes return results with the noun embedded in the middle of adjectives, versus just being at the end of the list of words.
- Doesn't take into account, different recycling regulations within each city
 - ◆ This was on our backlog, but we did not have time to implement this.
- App does not work without wifi
 - ◆ Right now, our phone has to be connected to our laptops to be able to run the app and process the CloudSight API
- API might not return the most accurate/correct result, depending on the angle picture is taken in or whether or not the background is cluttered or not, thus the resulting bin that appears might be incorrect
- Can't go over 100 requests, otherwise you will have to pay. API costs \$99 per month for 2000 requests.
 - ◆ This is not reasonable in the long run if the app is pushed to development, as multiple users will be using the app and will be using up many requests.
- 'Import CloudSight: no such module' error might appear
 - ◆ For this error, we are not sure why it only appears sometimes. Sometimes, the error can be fixed by changing the team name to your own name,

changing the Bundle Identifier name, and changing the Organization name.

- 'Command PhaseScriptExecution failed with a nonzero exit code' when trying to implement python script.
 - ◆ Only successful build when running with emulator, fails with phone.
Possibly a server error
- To set up in development environment, do 'export FLASK_ENV=development', and then 'flask run', this will take away the WARNING: Do not use the development server in a production environment' error.
- Camera functionality is not available in any iOS version and any Simulator.
 - ◆ It's not possible to access camera of your development machine to be used as simulator camera. You will have to use device only for testing camera purpose.
- 'Get Started' button on the front page
 - ◆ We drew the box initially before adding it onto xcode, and then directly added the button text to fit within the box. Therefore the areas near the borders might be unresponsive.
- If there is something in the background, CloudSight API may not return the most accurate result of image
- Ngrok port to run the app on the phone only runs for 7 hrs and need to change the provided url on the Swift code.