

Installation and Usages

API

Installation

1. Use github to clone the project
2. If running on port else than 80:, make sure the port is open on the management consoles
3. Run 'python manage.py runserver 0:\$(PORT-NUMBER)' with sudo in front if PORT-NUMBER is 80, otherwise it's fine.
4. Tests will run as Django starts up

Usage

- All output are in format of:
 - {'success': 0 || 1, 'result': 'OUTPUT'}
- /g/user/signup (String username, String password)
 - Sign up user
- /g/user/signin (String username, String password)
 - Sign in user, result will contain list of rewards associated with the user as well.
- /g/ad/create (String details, String Producer, int longitude, int latitude)
 - Adds an advertisement at the specified coordinate
- /g/ad/get/nearby (int longitude, int latitude)
 - Returns a list of 5 closest advertisements (contains associated rewards)
- /g/ad/get/id (int ad_id)
 - Returns an advertisement of specified id (contains associated rewards)
- /g/reward/random
 - Returns a random reward object
- /g/reward/create (Optional String voucher_code, Optional String Company, Optional String details)
 - Creates a reward of specified details

Proof of Concept

Installation

1. Android
 - a. APK will be provided, and will have to be moved into the phone via micro USB cable. This APK could be found using file navigation in android, which just have to be installed like any other apps.
2. iOS
 - a. IPA will be provided, and will have to use iTunes to install it. Just have to import the file into iTunes, and sync the iPhone with the file.

Usage:

1. Starts by sign up for an account in order to use the app
2. Approach an advertisement board, point camera at it
3. A chest should appear, open the chest to collect the reward (Collecting the same voucher at the same location again will not work)
4. Go to Collection to see all of your rewards
5. Go to a different advertisement panel and repeat step 1 for more rewards.