**Mission / Goal of Project:**

To provide information of free food events on CU campus as many students as possible.

**Vision:**

You walk out of class, you’re hungry and broke. You bring up the Free Food App and immediately see 3 pins drop on the map. You see free pizza at the math club in 30 minutes. En route, you swipe to the calendar view and see several more free food events throughout the week. You pin a few interesting ones and share them with your friends on Facebook. When you arrive, the math club is excited to meet a new potential club member. CU is happy because student involvement is correlated with student retention and food waste is decreased. Most importantly, you leave with a full stomach, new friends, and not a single lost nickel.

**App functionality:**

Initially built with Android so that beta can be rolled out. Data automatically downloads from Firebase to the app. The map drops pins according to location. Each pin brings up expanded view with information about what the event is. The free food events can also be viewed in a list format and can be added to as people share new events they discover. There may be a profile page to schedule event attendance with push notifications as a reminder.

**Additional functionality:**

All student groups are subscribed to by an email, which automatically syncs with a Python script to a host computer. The body of the emails is extracted and keywords such as “free food” or “refreshments provided” are flagged. Location and time information is extracted and uploaded to a Firebase data structure. Person in the loop will review and manually modify code to find difficult to find keywords.



