Boulder Slackerz Milestone 1

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0.1 Team Name

The team name was chosen as Meal Slackerz

0.2 Members

Diana Mata, Nick Jackson, Emily Millican, Jason Evarts, Qihang Mao, Stian Howard

0.3 Description

This project will consist of a website that will inform students of events around the CU Boulder campus that will provide free food. We anticipate that this will be useful to students on campus who are interested in saving money and meeting new people.

This will allow students to look up the website and see a list of locations and meetings where there will be free food. Students and staff will also be able to add their event so that it will be open to the student population. This will increase attendance at their workshops or events and students will love the free food. It will be open source so we would not have to search through some database, we will create "dummy" events to test the website.

The obvious benefits of this will be increased attendance for events such as workshops, guest speakers, or club meetings. The benefits to students will be free food or snacks.

0.4 Vision statement

The team's desire is to create a website that is both useful to the CU Boulder community and within the scope of being successful within the 10 weeks left in the semester.

0.5 Motivation

Many clubs on campus and departments send out information to students in the form of an email. However given the large quantity of emails students receive in a day, students often time overlook these.

As a student I know that clubs, workshops, and even guest lecturers depend and thrive on their popularity and amount of attendees at these meetings. Offering snacks, drink, and free food often increases the amount of attendees. However it would increase this value even more if there were a one stop source for students to gather this information.So we decide to build a website to post these information. As a result, more student can get the information they want and the sponsor can attract more people to their activity,which can be beneficial for both.

0.6 Risks

We are facing many risk factors along the development of this project.

HTML: None of us have significant experience with HTML or CSS, so we could get stuck and not get the formatting done in time.

Database: None of us are familiar with database programming so we need to learn how to access and work with database structures

Integration: The team hasn't linked together HTML and CSS and Database and Python scripting in previous projects.

0.7 Risk Mitigation Plan

HTML: Look for online templates to start our website

Database: Hopefully learn good techniques in class or fall back on information learned in data structures to create many linked lists.

Integration: We can fall back to getting the system to work on one host machine without server reliance.

0.8 Version Control

With the permission of Ajay Kedia, our TA, we have a single github repository with two seperate directories for milestones and group meetings alongside our project code. https://github.com/stianhoward/BoulderSlacker

0.9 Development Method

Our team has decided to use the software development methodology of Agile in order to complete our project. This will consist of an iterative approach to development where our requirements and solutions will evolve through collaboration between the team members. We have already done the identifying concept step. We will first identify initial requirements and then start building and coming up with solutions.

0.10 Collaboration Tool

Our chosen collaboration tool is Slack, where we meet remotely every Saturday to make sure each team member is on track with their assigned work for the week. The team also meets in person once a week.

0.11 Proposed Architecture

The team will implement the use of HTML, CSS and python to create a smart and responsive front-end website. We will be using Python Flask for the inte-

gration layer of our application. The team is strong in Python experience so we will implement a flask python server for hosting the service. We will discuss this method of integration with our TA For the back-end of our website, we will be implementing SQL to access and manipulate our back-end database, which will include primarily the events occurring on campus, as well as satellite data so that user's location can be determined.