

Meals for Quarantined College Students

Authors: Sophie Azula, Siri Avula, Catherine Barry, Caroline Barrineau

Students in on-campus housing are not receiving meals that meet their daily dietary restrictions/preferences while in quarantine. The users need a way to communicate their specific dietary needs to the school to allow them to get healthy and appropriate meal options while recovering from COVID-19. Our solution should allow them to customize meals, indicate dietary needs, and choose between meal options for breakfast, lunch, and dinner.

Who is experiencing the problem?

Students in quarantine on campus.

What is happening?

Students are not receiving meals that meet their dietary needs/preferences.

Where?

On-campus housing/dorms.

Why does this matter?

Students do not have an efficient way to communicate with the staff required to deliver their meals and are paying \$12-15k a year to attend this school at minimum. About \$2k goes towards meal plans. Students should be receiving meals on time and receive the nutrition they need. In addition, for students who are sick, being able to eat good, healthy food could be essential in helping them make a full recovery.

How do we fix it?

This team proposes to create an app/website to give students the option to choose meals that meet vegetarian, vegan, dairy-free, gluten-free, food allergies, diabetic restrictions, and/or religious restrictions. The student could enter their name, student ID (for verification), building, room number, and choose meals from a certain menu that accommodates their needs while allowing the University to easily budget and distribute these meals.

Example: Students sign up as soon as they can and choose their dietary needs. The school should be able to display a weekly menu for that chosen diet. If it is an allergy, it could be more customized with admin authority. Each meal would have some carbs such as rice/bread/cereal, a fruit such as an apple/orange/banana/grapes, a small side salad or a small side of broccoli/pepper/carrots, and a main entree of either some meat/bean/nuts/a bigger salad with choice toppings. Students should receive at least three water bottles a day and meals should be delivered between designated, two hour time slots, three times a day.