

# “Student Team 642 648 Final Team Report”

Project Name: Gator Grub

*Gator Grub is an application that allows users to order food online from their favourite restaurants.*

Team 03

Team Members:

Megha Babariya([mbabariya@mail.sfsu.edu](mailto:mbabariya@mail.sfsu.edu)),

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Version:

Version No.	Date	Comments(if any)
01	08/05/2020	Initial document

Site URL: [https://megha1005.github.io/CSC-642-842\\_Team\\_3/project/index.html](https://megha1005.github.io/CSC-642-842_Team_3/project/index.html)

Github Repository URL:[https://github.com/Megha1005/CSC-642-842\\_Team\\_3](https://github.com/Megha1005/CSC-642-842_Team_3)

# Chapter 1: Design and Implementation Documents:

## CSC 642-842 HCI Summer 2020

### Initial Proposal

Project Name: Gator Grub

Project Description

Team 03

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Version:

Version No.	Date	Comments(if any)
01	06/16/2020	Initial document
02	06/20/2020	Document Frozen

# INITIAL PROPOSAL REPORT

## 1. Executive Summary

Gator Grub is an application that allows users to order food from a particular restaurant or shop, and get it delivered to their footsteps. It will also have a pickup option. This will allow the users to get food without any hassle. Although there are a variety of other applications and websites for food ordering, Gator Grub has several features that make it stand out. Our first aim here is to get the user to order food without any registration/login requirements, which will familiarize the user with the application before requiring and prompting them to sign up / login before checkout (Lazy Registration). Additionally, our application shall allow the vendor to quickly and easily add and edit their restaurant information to the application. This makes it an appealing option from both the perspectives of the customers who are ordering, and the vendors who are selling.

Our application has various features, some of which include:

- Getting food from nearby restaurants by a single click
- Avoiding delivery fees for upto 5 mile range
- Extremely user-friendly experience
- Safety tag for COVID-19
- Scheduled orders
- Discounts for SFSU students

This should create a simple and enjoyable user experience, and consequently encourage them to sign-up/register.

## 2. Personas

### *Tyler*

- Currently working from home
- Job pays well so not too concerned with price
- Single parent with immunocompromised child

Experience: Is not very familiar with technology, but has some experience with using similar apps.

Goals: Concerned with minimizing risk of transmitting coronavirus (wants no-contact dropoff options). Child is picky, so app must have various cuisine options

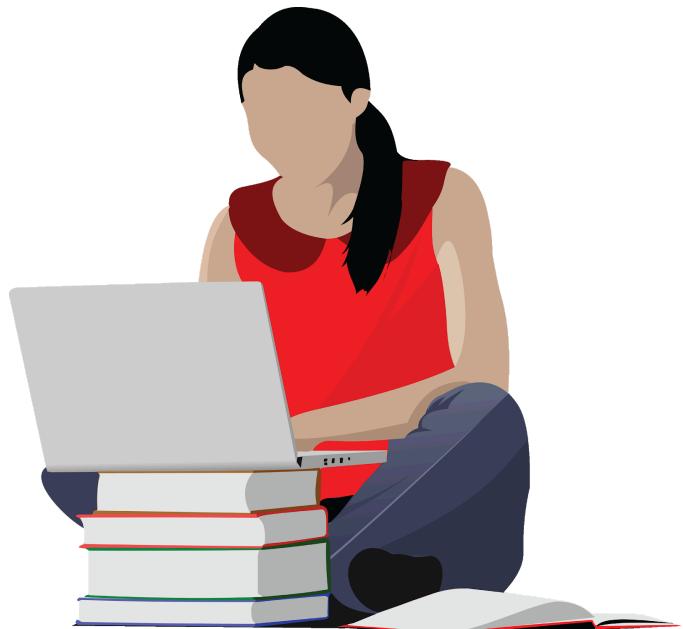


### *Jane*

- Full time student at SFSU
- Works full time at an essential business
- Very busy
- Good WWW skills
- High cost of living in San Francisco, so she doesn't want to spend too much money on food
- Values expedient and on time delivery, as she doesn't want to spend too much time on food.

Experience: Very familiar with using similar apps.

Goals: Affordability, on-time delivery, Wants to be able to pre-order and schedule delivery



## *Miguel*

- Owns a bakery in Daly City
- Sales greatly reduced due to ongoing pandemic
- Has poor WWW skills
- Wants to start selling his baked goods online

Experience: Has not used a food delivery system before.

Goals: Cares about making a decent profit. Needs a clear and simple interface to set up his shop online.



## *Emma*

- Works for her family's restaurant in San Francisco
- Good WWW skills

Experience: Has worked with other food delivery companies before.

Goals: Wants to make sure her family's restaurant will not be difficult to find on the app and will appear while customers are browsing.

Wants a good degree of customization and options compared to other apps

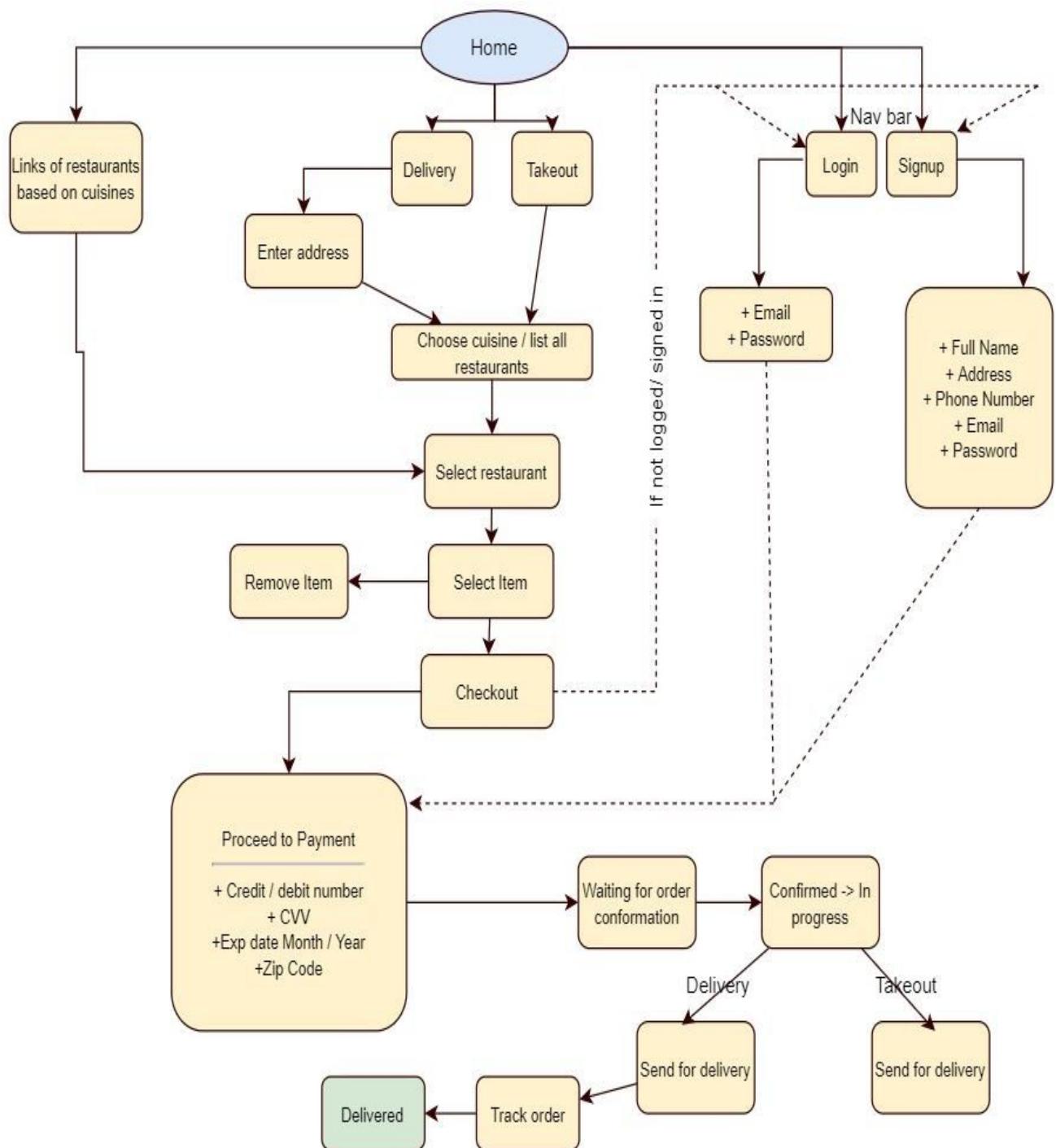


### 3. High Level Use Cases

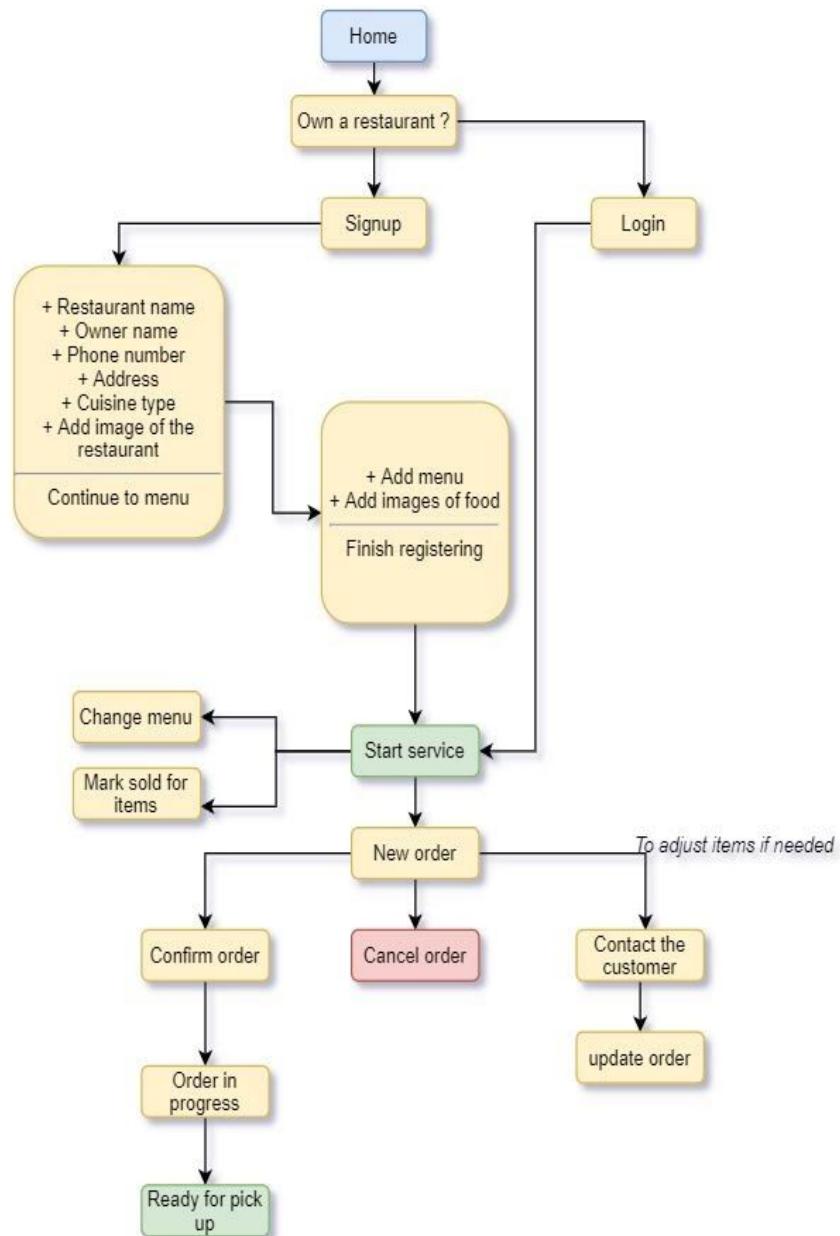
- Tyler is a single parent who needs a delivery app to get all the food he needs delivered to his door to minimize the risk of coronavirus transmission for his child. He goes to our site and selects the delivery option. He browses to all types of cuisines and finds a good restaurant for him. He places an order by entering his personal and bank credentials. He keeps an eye on the track of order and wears his gloves and mask when the order is close to be delivered. He saves himself from exposure to the virus.
- Jane wants to eat chinese food since she does not have time to cook food being an essential worker. She needs a service that can deliver her food fast. She goes to our website and enters her address to see the best chinese restaurants that are at a closer distance to her. She selects Golden wok chinese restaurant close by and orders food. She gets the food delivered within 30 minutes.
- Miguel wants to sell his sweets. He goes to our site following the sign that takes him to sign his restaurant up. He uploads his menu and images and finishes registering. He then starts selling his items through our site.
- Sam wants to order food but he is very concerned if the safety measures are followed by the restaurant in this pandemic. He goes to our site and checks the safety tag for that restaurant where he sees all the measures the restaurant has taken. He finds a restaurant that has high safety standards and orders food.

- Mark is a vendor at our site, he wants to remove some items from the menu that they do not sell anymore. He logs into his account and starts service. He then goes to change the menu and removes the items he does not want to sell anymore.
- Rose is a student at SFSU and has a tight budget. She wants to order food with some discount so that she can afford it. She goes to our site, enters her SFSU email while checking out and gets a student discount.

# Use Case Diagram for Customer



# Use Case Diagram for Vendor



## 4. List of Major Functions Envisioned

1. **Login/Logout:** We will be having Lazy registration, so that users are not forced to add personal details at the beginning and get to know the restaurants listings and order food easily. At the same time, we want to require a user to have an account with us so that if there is an issue with an order, we have their credentials to follow up on which can include customer support.
2. **Viewing restaurants/stores within their area:** Once the user opens our app, we want to display a list of all the restaurants with pictures of food/location by determining the local restaurants around their area so users can jump right into browsing for what they want to get delivered.
3. **Making an order:** When a user makes an order on our application, we will present them with an easy to read layout with live location of where the restaurant is and when the delivery is estimated. We will also let the user know the status of their order, provide a short summary of what has been ordered, a button for “more details” on the order(purchase amount), customer support button, etc. Since our app is focused on a delivery service, this feature will be a significant part of the app. We can also send out text and/or push notifications to the user to notify what’s happening with their order.
4. **Review System:** When the user clicks on a restaurant they want to browse, we can provide a link/button to a review app such as Yelp and/or other sources such that the users have a more convenient way of making sure what they really want to order. This feature will be useful

because users will know what to expect when they make an order with a restaurant. This will pertain closely to ordering food.

5. **Notifications:** We can also send updates and notifications to the user's email address for more updates/discounts. (Sign in with Facebook, Google, etc) We can also send out text and/or push notifications to the user to notify what is happening with their order.

6. **Searching and filtering food, groceries, pharmacies:** For the food selection, we will provide a scrollable bar which contains different types of food categorized and also list out restaurants individually with pictures of, for example, the most popular items ordered at each restaurant. We will also include search functionality that searches for food type or restaurant name.

7. **Safety Tag:** When it comes to ordering food, we will provide a safety tag for each restaurant that will show the user the measures taken by the restaurant for customer safety like staff temperature checkup frequency, handling food in a safe manner, and other safety measures if taken while preparing the order. This will provide the customers with peace of mind knowing that their food was safely handled during this pandemic.

8. **Creating a restaurant account with our app:** Restaurant owners will be able to expand their businesses by offering customers the ability to have their favorite food delivered right to their doorsteps. Restaurant owners will have the ability to add menu items with a brief summary as well as providing a picture of the dish/item, price, and customize each menu item. Owners will also be able to view a list of incoming orders based on first come first serve basis.

## 5. Competitive Landscape

Website Feature	DoorDash	Uber Eats	delivery.com	Google Search	Our app
Pricing	+	+	++	++	++
User Friendly	+	+	+	++	++
Security	+	+	+	+	++
Tracking	+	++	-	-	+
Category Range	+	+	++	++	++
Covid-19 Safety	-	-	-	-	++
Scheduled delivery	-	-	-	-	++

(++) Superior

(+) The same or feature exists

(-) Does not exist

### Pros:

**Pricing:** Our app doesn't charge a delivery fee for orders within 5 miles. And SFSU students can get a big discount.

**Covid-19 Safety Tag:** Our new function during this pandemic to protect people from staying safe.

**Scheduled delivery:** The flexible delivery model is more suitable for our students' class schedules.

**User Friendly:** Our website does not require the user to log in or sign up before allowing them to browse our site.

**Security:** We have very secure encryption to ensure their information will be safe. If they are extra cautious we also will have the option to pay in cash.

**Category Range:** We not only have food delivery/pickup from restaurants, but also we support grocery stores, pharmacies and any other kinds of shops.

### **Cons:**

**Tracking:** Our application uses a text tracking system, whereas other services use map tracking systems. However, we believe that the text tracking system is more simple and clear.

### **Brief summary:**

Our app has three main unique characteristics: Covid-19 safety tag, scheduled delivery and students discount(SFSU students). During this pandemic, the vendors will be required to add the measures they have implemented for safety of customers, which will be shown to the customers as a safety tag besides the restaurant name. The Scheduled delivery and student discount make our app more convenient and appealing for SFSU students. Students can arrange the best delivery time to match their course arrangements. In addition, users who register with a San Francisco State University email account will receive a discount when they order.

## 6. Tools and Frameworks

Operating System(s)	Linux
API(s)	<ul style="list-style-type: none"><li>• Google Maps</li><li>• Yelp API</li></ul>
Tech-Stack: Frontend	HTML, CSS, JavaScript
Tech-Stack: Backend	PHP
Framework(s)	BootStrap

# CSC 642-842 HCI Summer 2020

## Initial (Low Fidelity) UI/UX Design

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Version History:

Version No.	Date	Comments(if any)
01	06/24/2020	Initial document
02	06/29/2020	Comments(by Prof.) implemented

# **Product Name**

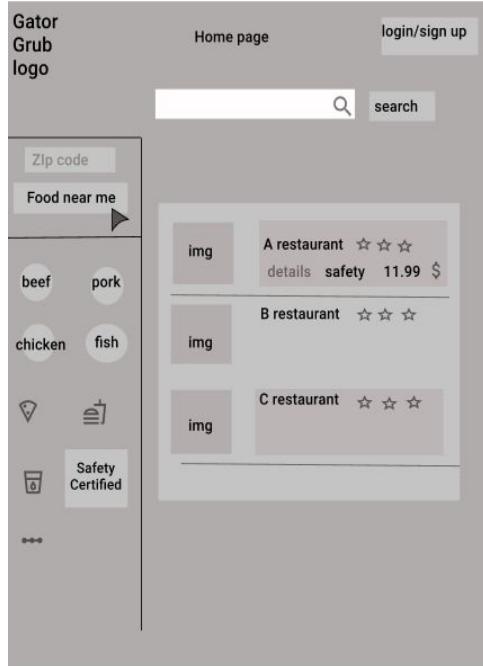
Team 03 is introducing Gator Grub, a web application that allows users to order food online from their favourite restaurants and also the vendors to register their restaurant to get customers online.

# Mockups and StoryBoards

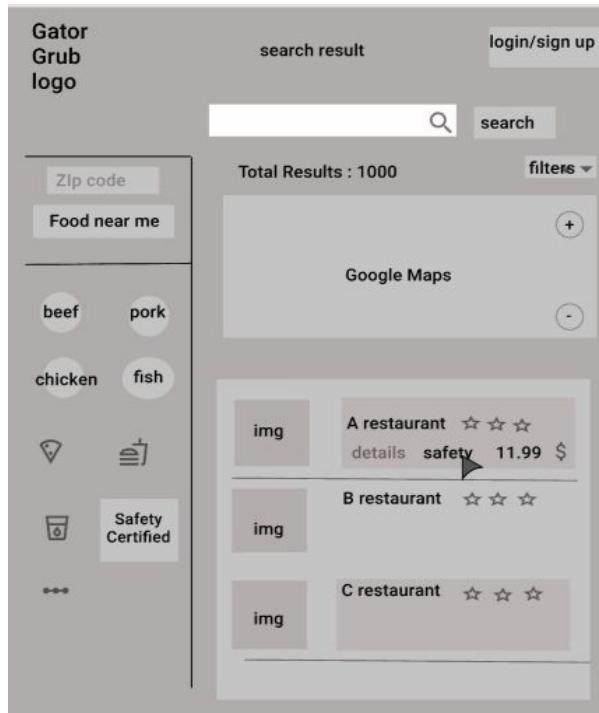
## New User :

Tyler is a full-time student at SFSU and works part-time to cover his expenses. He does not have enough time to prepare food and therefore mostly orders the food from restaurants. He learns about a new application named Gator Grub and thinks to try out the application to order his meal. He quickly downloads the application and finds out that registration is not required and he can quickly look into options of different restaurants by just a single click that requires him to enter his pincode to show the nearby places. He gets happy and goes further and gets some more filters to find out restaurants that are safe during this CoronaVirus pandemic. He is quickly able to add orders to his cart and lastly register to the application. This speeds up the process and Tyler is more happy to see the discount offered to SFSU students and quickly finishes ordering the food.

1. Tyler opens the Gator Grub homepage, enters a zip code and clicks on "Food near me".



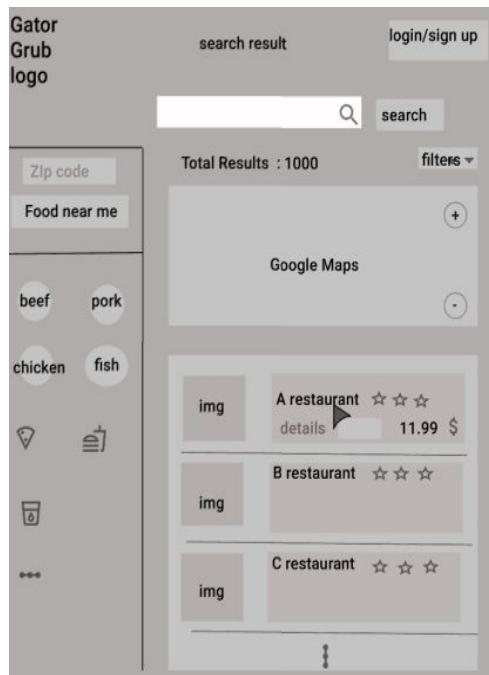
2. He zooms in /out the google maps with "+" or "-". and he gets some more filters to find more restaurants. And then he clicks on the safety certified filter for “A restaurant”.



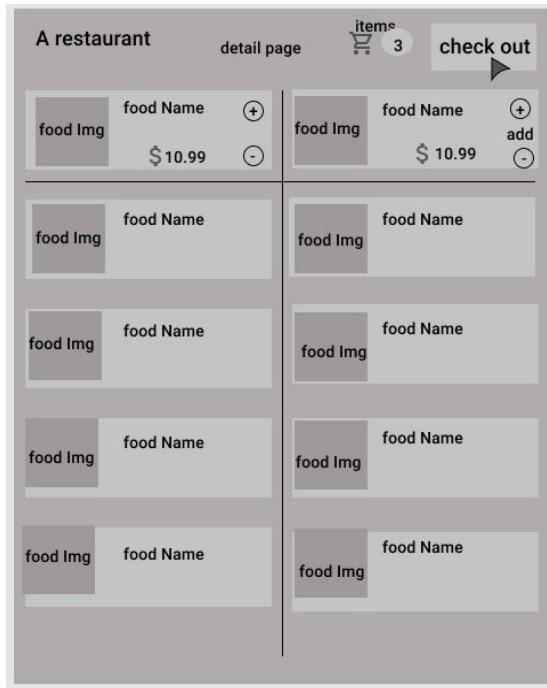
3. Tyler views the safety precautions and is satisfied with what “A restaurant” is doing. And closes the safety window



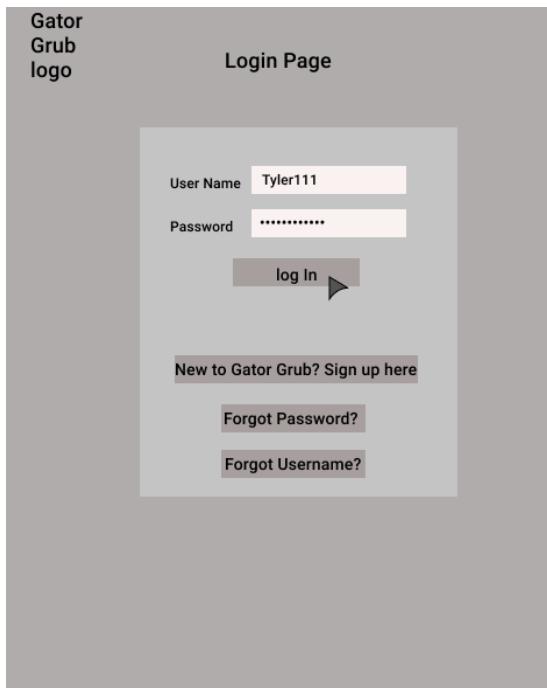
4. Tyler then clicks on the restaurant name.



5. Tyler is quickly able to add items to his cart by clicking on “+” or “-” inside each item.



6. Since Tyler was not logged in, he is taken to the login page, where he logs in.



7. Tyler confirms his order, and decides to have the food delivered to SFSU, where he is studying.

Gator Grub logo [check out](#) Hi~Tyler 

Your order:

Picture	Food name	Amount	Price
	Food name	1 <input type="button" value="▼"/>	10.99
	Food name	2 <input type="button" value="▼"/>	21.98
Total: 21.98			

Deliver to:  SFSU  
 My address

Delivery time:  ASAP  
 Schedule Delivery at 12:30 PM  on Monday

contactless delivery:

[check out](#)

8. He confirms that the food will be delivered to the library on campus, and has it delivered ASAP. He opts out of contactless delivery.

Gator Grub logo [check out](#) Hi~Tyler 

Your order:

Picture	Food name	Amount	Price
	Food name	1 <input type="button" value="▼"/>	10.99
	Food name	2 <input type="button" value="▼"/>	21.98
Total: 21.98			

Deliver to:  SFSU Distance: 3.2 miles  
Location on campus:   
 My address

Delivery time:  ASAP  
 Schedule Delivery at 12:30 PM  on Monday

contactless delivery:

[check out](#) 

9. Tyler chooses his payment order, reviews the summary one last time, and checks out.

Gator  
Grub  
logo

Payment

Hi~Tyler

---

Select Payment Methods:

Cash     check

**Summary:**

Picture	Food name	Amount	Price
img	Food name	1	10.99
img	Food name	2	21.98
			Total: 21.98

Delivery Address: SFSU Library  
Phone: (415) 338-1111  
Schedule(optional ): None  
contactless delivery:   
Payment Method:

Total: \$21.98 **check out** ➔

10. After checking out Tyler is taken to the Tracking page, where he can view his order's summary, ETA, and order status.

Gator  
Grub  
logo

Tracking

Hi~Tyler

---

Your order:

Picture	Food name	Amount	Price
img	Food name	1	10.99
img	Food name	2	21.98
			Total: 21.98

Delivery Address: SFSU Library  
Phone: (415) 338-1111  
Schedule(optional ): None  
contactless delivery:   
Payment Method:

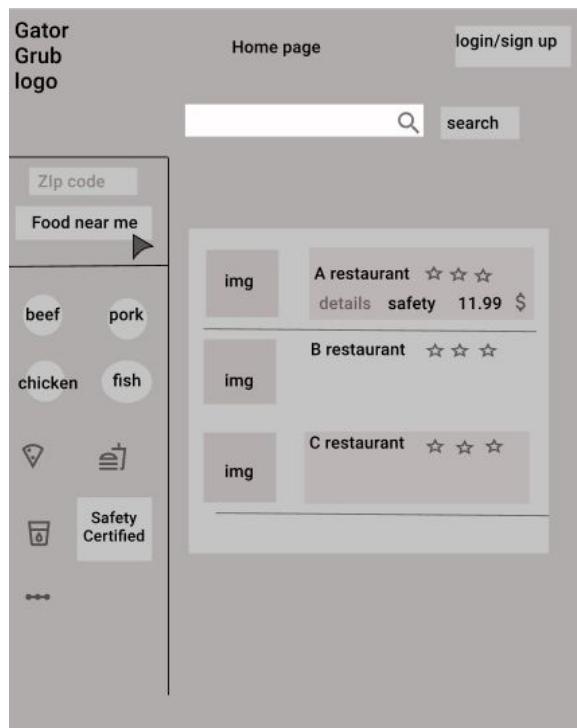
ETA: 10 min      Status: Order Received

**Done** ➔

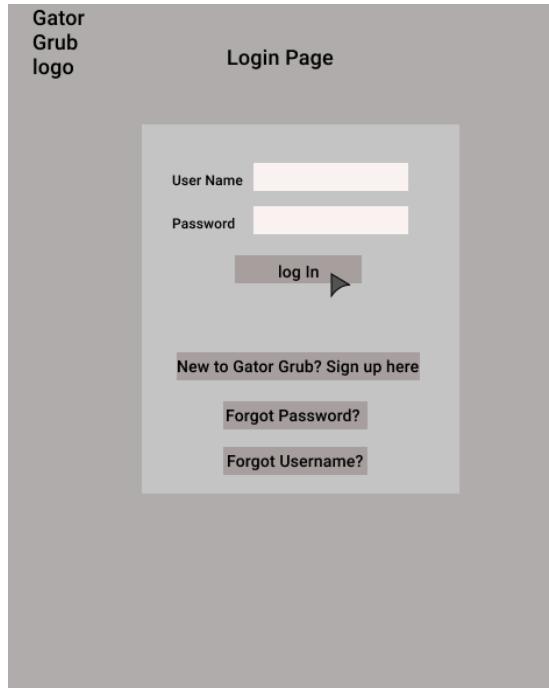
## **Vendor :**

Miguel owns a bakery in Daly city and is interested in selling his baked food online. He is new to online marketing and does not have good skills in using technologies. He finds out that nearby restaurants are gaining profit by marketing using the Gator Grub application. He decides to use that application and downloads it. He is required to mark a checklist for COVID-19 safety precautions taken by his restaurant. And easily, he adds up his restaurant to the application without any hassle.

1. Miguel is new to Gator Grub so he goes to the login/signup page

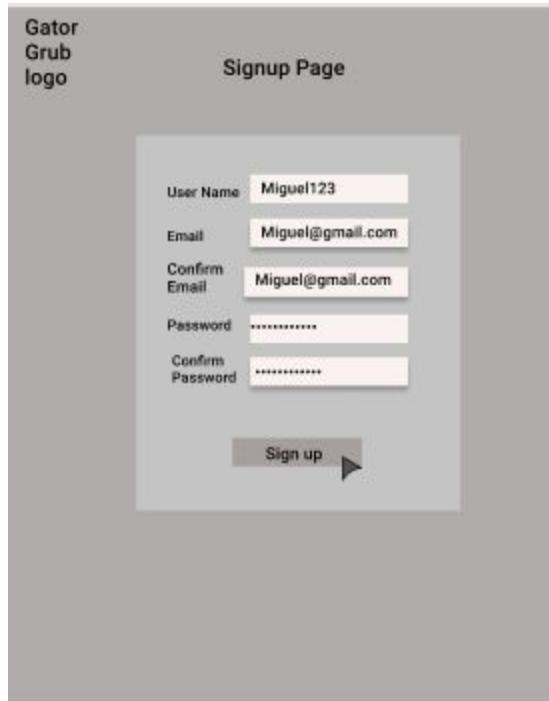


2. He does not have an account so he presses the signup button



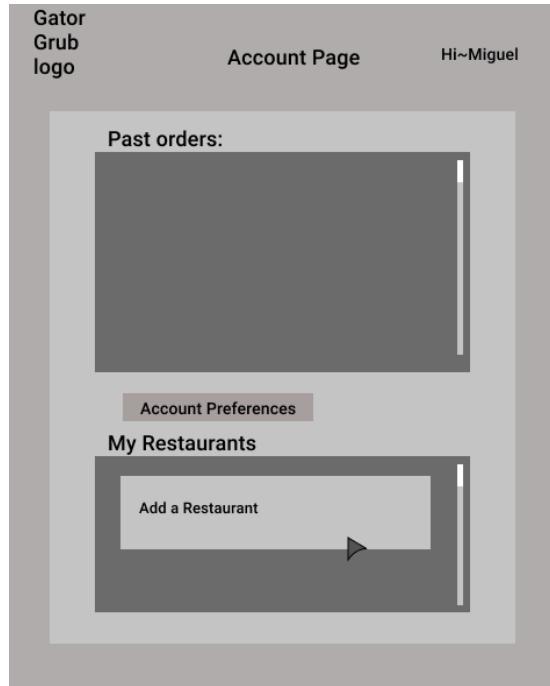
The image shows the 'Login Page' for 'Gator Grub logo'. The page has a light gray background. In the top left corner, there is a logo consisting of the words 'Gator', 'Grub', and 'logo' stacked vertically. To the right of the logo, the text 'Login Page' is displayed. Below this, there is a white rectangular input field containing two text boxes: 'User Name' and 'Password'. Underneath these fields is a dark gray button labeled 'log In' with a right-pointing arrow. At the bottom of the page, there is a link 'New to Gator Grub? Sign up here' and two smaller links: 'Forgot Password?' and 'Forgot Username?'.

3. Miguel creates his account by inputting a username, password, and email address



The image shows the 'Signup Page' for 'Gator Grub logo'. The layout is similar to the login page, with the 'Gator', 'Grub', and 'logo' logo in the top left and 'Signup Page' text to its right. The main area contains five input fields arranged in two rows. The first row has three fields: 'User Name' with value 'Miguel123', 'Email' with value 'Miguel@gmail.com', and 'Confirm Email' with value 'Miguel@gmail.com'. The second row has two fields: 'Password' with a redacted value and 'Confirm Password' with a redacted value. Below these fields is a dark gray 'Sign up' button with a right-pointing arrow. The entire page has a light gray background.

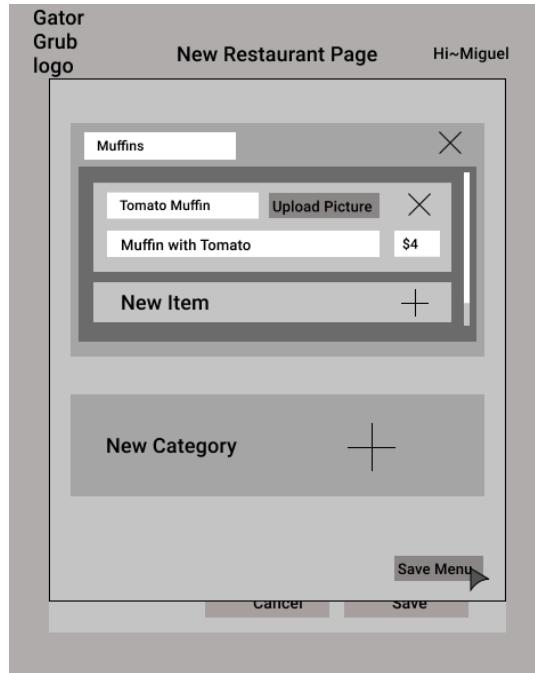
4. Upon account creation, Miguel is taken to his account page. He adds a new restaurant.



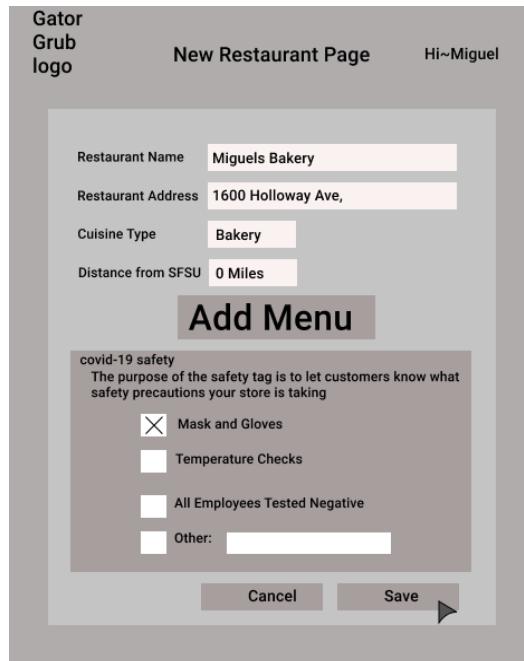
5. He enters his restaurant information and goes to add his menu.

A screenshot of a web application interface titled "New Restaurant Page". At the top left is the "Gator Grub logo". At the top right is the greeting "Hi~Miguel". The main content area includes form fields for "Restaurant Name" (Miguels Bakery), "Restaurant Address" (1600 Holloway Ave,), "Cuisine Type" (Bakery), and "Distance from SFSU" (0 Miles). Below these is a large button labeled "Add Menu" with a right-pointing arrow. Underneath the "Add Menu" button is a section titled "covid-19 safety" with the sub-instruction "The purpose of the safety tag is to let customers know what safety precautions your store is taking". It contains four checkboxes: "Mask and Gloves" (checked), "Temperature Checks" (unchecked), "All Employees Tested Negative" (unchecked), and "Other: [input field]" (unchecked). At the bottom are "Cancel" and "Save" buttons.

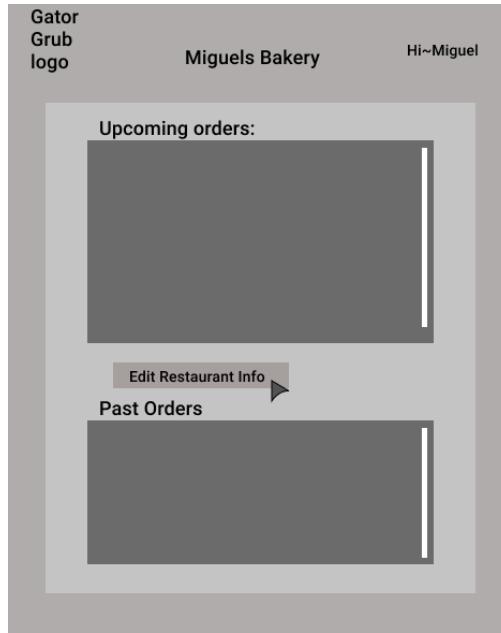
6. Miguel creates a muffin category and adds a tomato muffin to it.



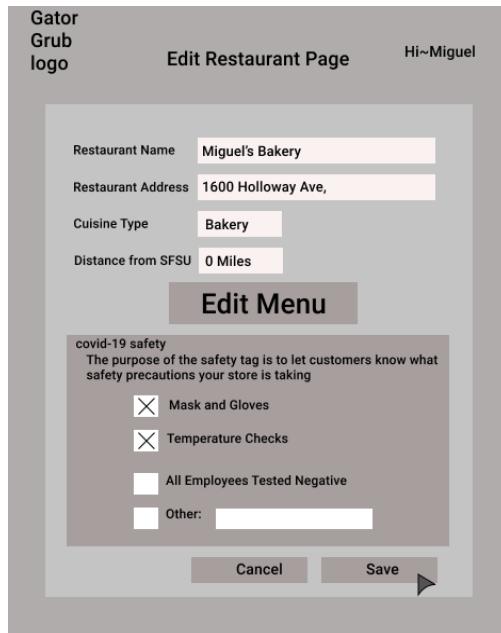
7. After saving his menu, Miguel is taken back to the restaurant page where he saves his restaurant information and adds the Covid-19 safety measures taken by the restaurant.



8. At the restaurant page, Miguel sees the restaurant name at the top and realizes that he mistyped it so he goes to edit restaurant information to correct it.



9. Miguel types in the correct name. He realizes that he forgot to check the temperature check box in the safety measures for Covid-19, so he fixes that as well and saves.



# Functions

## Priority 1 :

1. **Login/Logout:** We will be having Lazy registration, so that users are not forced to add personal details at the beginning and get to know the restaurants listings and order food easily. At the same time, we want to require a user to have an account with us so that if there is an issue with an order, we have their credentials to follow up on which can include customer support.
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**9. Scheduled Delivery:** When the user places an order, they will be able to schedule delivery for a future time. The order will appear on the store owner's queue before the

scheduled time so they will be able to prepare the order and have it ready at the right time.

### **Priority 2 :**

1.     **Review System:** When the user clicks on a restaurant they want to browse, we can provide a link/button to a review app such as Yelp and/or other sources such that the users have a more convenient way of making sure what they really want to order. This feature will be useful because users will know what to expect when they make an order with a restaurant. This will pertain closely to ordering food.
-

# CSC 642-842 HCI Summer 2020

“High fidelity UI design prototype”

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01	07/02/2020	Initial document
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# 1. Executive Summary

Gator Grub is an application that allows users to order food from a particular restaurant or shop, and get it delivered to their footsteps. It will also have a pickup option. This will allow the users to get food without any hassle. Although there are a variety of other applications and websites for food ordering, Gator Grub has several features that make it stand out. Our first aim here is to get the user to order food without any registration/login requirements, which will familiarize the user with the application before requiring and prompting them to sign up / login before checkout (Lazy Registration). Additionally, our application shall allow the vendor to quickly and easily add and edit their restaurant information to the application. This makes it an appealing option from both the perspectives of the customers who are ordering, and the vendors who are selling.

Our application has various features, some of which include:

1. Getting food from nearby restaurants by a single click
2. Avoiding delivery fees for upto 5 mile range
3. Extremely user-friendly experience
4. Safety tag for COVID-19
5. Scheduled orders
6. Discounts for SFSU students

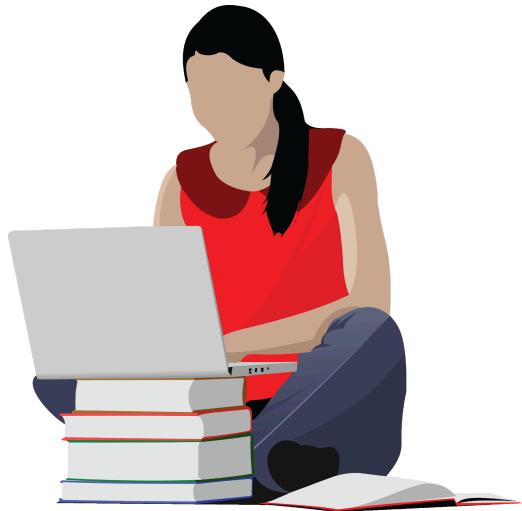
This should create an overall simple and enjoyable user experience, and consequently encourage them to sign-up/register.

## 2. Platforms and Tools:

a) **Main Platform for delivery of the application** : Desktop / Laptop (Web)

**Persona** : Martha

- Aged woman around 50s
- Works for a reputed firm
- Good WWW skills
- Doesn't use a lot of mobile apps.
- Uses her laptop to discover food options nearby.



Many people, especially in this age group may be more comfortable using desktop/web applications rather than mobile apps. This is mainly because of three main reasons :

1. They are afraid to lose their privacy details.
2. They wish to just try out the option on the net and then think of having it on their mobile.
3. Also, some people lack storage on their mobile device, so just want to see the options available on the net.

**b) Tools used for high Fidelity design :** Figma.

***UI Design Patterns :***

1. Search Result Pages: We are using the %like SQL functionality for the query search.  
Our search works when a user provides the pincode for his area which lists all the restaurants specific to that area.
2. Blended Results: Our application has a complementary panel for featured items that are implemented by using the top restaurants in SF.
3. Zero Result pages: We provide explicit results and messages for pages that do not contain data. All the error handling is done and respective error messages are also provided to the users.
4. Lazy Registration : Customers are not forced to register into the application at the initial stage. This allows them to render through the application and lastly register to the application.
5. Usage of the tool : We provide appropriate placeholders and forms of advice to users.

### 3. Storyboards with narrative:

#### **New User :**

Tyler is a full-time student at SFSU and works part-time to cover his expenses. He does not have enough time to prepare food and therefore mostly orders the food from restaurants. He learns about a new application named Gator Grub and thinks to try out the application to order his meal. He quickly downloads the application and finds out that registration is not required and he can quickly look into options of different restaurants by just a single click that requires him to enter his pincode to show the nearby places. He gets happy and goes further and gets some more filters to find out restaurants that are safe during this CoronaVirus pandemic. He is quickly able to add orders to his cart and lastly register to the application. This speeds up the process and Tyler is more happy to see the discount offered to SFSU students and quickly finishes ordering the food.

1. Tyler opens the Gator Grub homepage.

The screenshot shows the Gator Grub homepage. At the top right are links for "About Us", "For Restaurant Owners", "Sign up", and "Sign in". Below that is a search bar with "Home page" and a magnifying glass icon. To the right are buttons for "Food near me" and "Food near SFSU". On the left, there's a "Quick filter by Food" section with icons for Steak, Ham, Fish, Chicken, Pizza, Burgers, and Fast food. A "Safety Certified" badge is also present. The main content area features two restaurant cards: "Pho Land (\$\$)" with a 4.5-star rating and "Burger Palace (\$)" with a 5.0-star rating. Both cards include photos, ratings, reviews, and operating hours. At the bottom left is a copyright notice: "copyright@2020-2021 by Gator Grub".

2. He enters a zip code and clicks on "Food near me" and obtains the search results.

This screenshot is from the same Gator Grub homepage as the first one, but it has been modified to show search results for a specific location. The "Food near me" button is now highlighted in blue. The main content area now displays a map with a large red Google Maps pin indicating the search location. The restaurant cards for Pho Land and Burger Palace remain the same as in the first screenshot.

3. He finds out ‘Restaurant A’ and looks into the Covid-19 safety provided by the restaurant.

Home page X

Search page

About Us For Restaurant Owners Sign up Sign in

Food near me Food near SFSU

Quick filter by Food

- Steak
- Ham
- Fish
- Chicken
- Pizza
- Burgers
- Safety Certified**
- Fast food

**Pho Land (\$\$)**  
4.5 ★★★★☆ (171)  
Beef, pork pho and egg rolls  
Hours: M-F 10 AM - 11 PM  
Sat-Sun 10 AM - 5 PM

Directions Call Share

Covid-19 Safety X

Restaurant A considers various different parameters for Safety.  
The Restaurant has compulsory mask and gloves for all the working staff.  
It has daily temperature checks of all the staff members at 9 a.m.

Check the Covid-19 safety measures for this restaurant

copyright@2020-2021 by Gator Grub

4. Tyler then selects ‘Restaurant A’ and goes to its menu page.

Home page X

Menu page

Sign in Sign up

**Restaurant A** Local Favorite

Most Popular

	Salmon Garlic butter smothered salmon is a given. It's possibly one of the most amazing, delicious ways to eat a juicy piece of salmon and gets cooked twice a week in this house. It's been a while since we gave you salmon and it's time. 20.99	Add
	BBQ Steak Garlic butter smothered salmon is a given. It's possibly one of the most amazing, delicious ways to eat a juicy piece of salmon and gets cooked twice a week in this house. It's been a while since we gave you salmon and it's time. 15.99	Add
	Salad, Carrot & Potato Garlic butter smothered salmon is a given. It's possibly one of the most amazing, delicious ways to eat a juicy piece of salmon and gets cooked twice a week in this house. It's been a while since we gave you salmon and it's time. 12.99	Add

Chef Special

Other's

Check Out

5. He selects a few items and adds them to his cart. He presses checkout and is taken to a lazy registration page where he can view his cart, and provide his information to complete his order.

6. Once he provides his information, logs in or creates an account, he is taken to the checkout page, where he can select his payment method, and choose his delivery options.

7. Finally, he places the order and is able to track the order progress.

Home page X

Tracking page

Hi Tyler

## Tracking

#	Picture	Food name	Amount	Pricing
1		Pizza	2 ▾	10.99
2		Noodle	1 ▾	8.99
3		Burger	2 ▾	5.99

Total: 25.97

Delivery Address: SFSU Library  
Phone: (415) 338-1111  
Schedule(optional ): None  
contactless delivery:   
Payment Method: In-person

ETA: 10 min Status: Order Received

Home

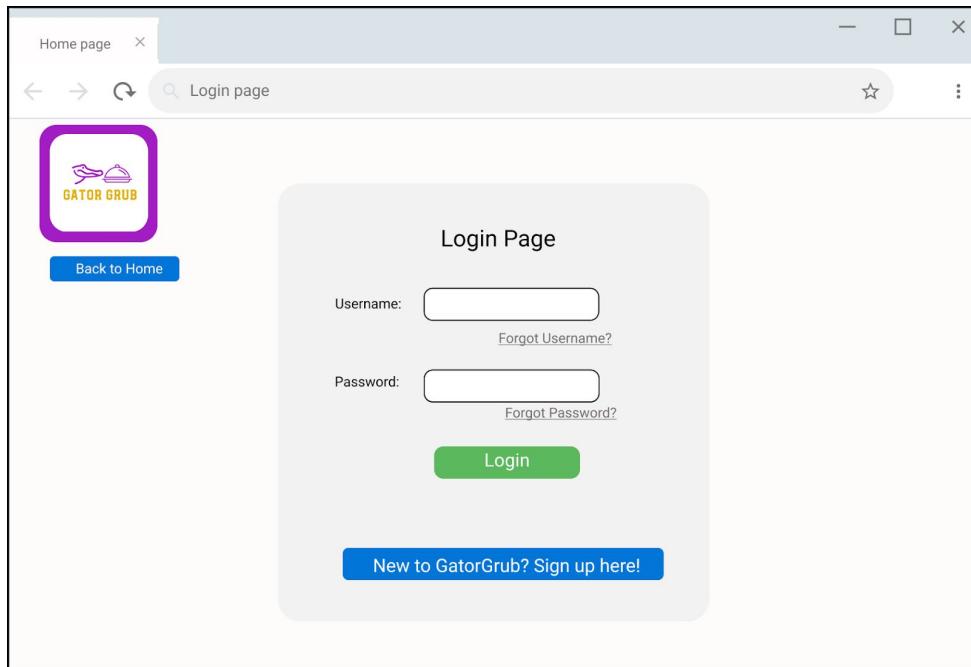
## Vendor :

Miguel owns a bakery in Daly city and is interested in selling his baked food online. He is new to online marketing and does not have good skills in using technologies. He finds out that nearby restaurants are gaining profit by marketing using the Gator Grub application. He decides to use that application and downloads it. He is required to mark a checklist for COVID-19 safety precautions taken by his restaurant. And easily, he adds up his restaurant to the application without any hassle.

1. Miguel is new to Gator Grub. He goes to the homepage.

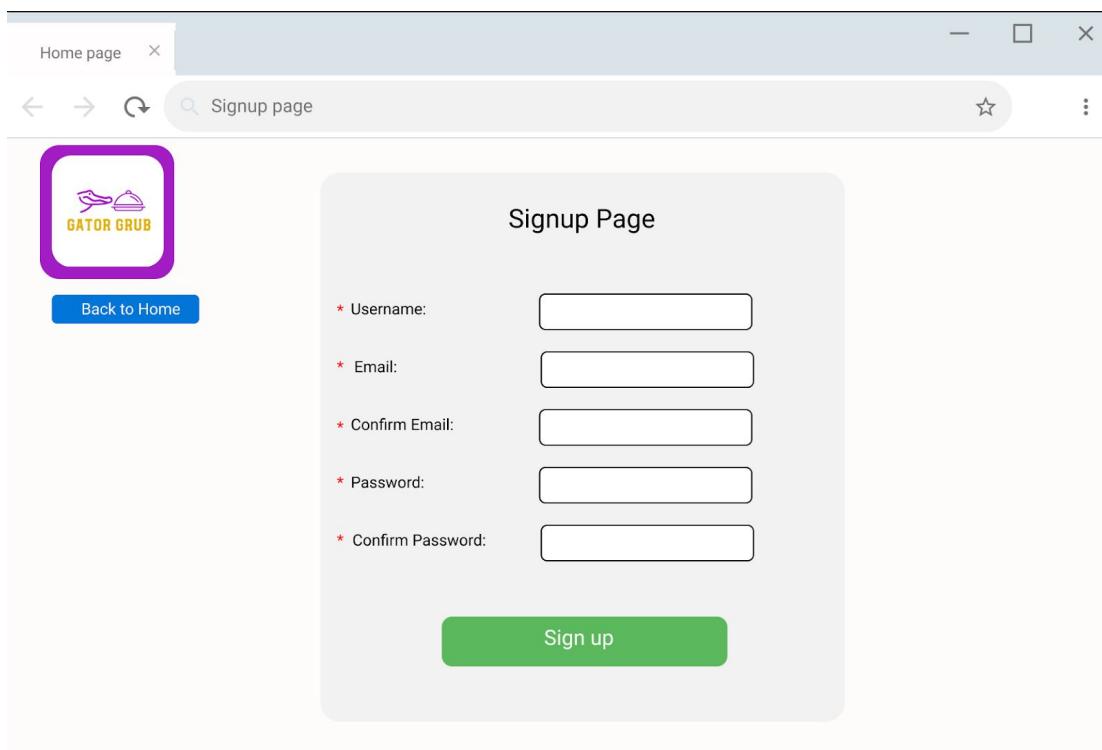
The screenshot shows the Gator Grub homepage. At the top, there is a navigation bar with links for 'About Us', 'For Restaurant Owners', 'Sign up', 'Sign in', 'Food near me', and 'Food near SFSU'. Below the navigation bar, there is a search bar with fields for 'Search for' and 'Enter zip code/city', both with 'Go!' buttons. A purple button labeled 'Featured restaurants' is centered above two restaurant cards. The first card is for 'Pho Land (\$\$)' with a rating of 4.5 stars from 171 reviews. It features a bowl of pho and some spring rolls. The second card is for 'Burger Palace (\$)' with a rating of 5.0 stars from 232 reviews. It features a large burger and fries. To the left of the cards, there is a sidebar titled 'Quick filter by Food' with icons for Steak, Ham, Fish, Chicken, Pizza, Burgers, and Fast food. A red box highlights the 'Safety Certified' badge. At the bottom of the page, there is a copyright notice: 'copyright@2020-2021 by Gator Grub'.

2. He presses the For Restaurant Owners button, which takes him to the login page.



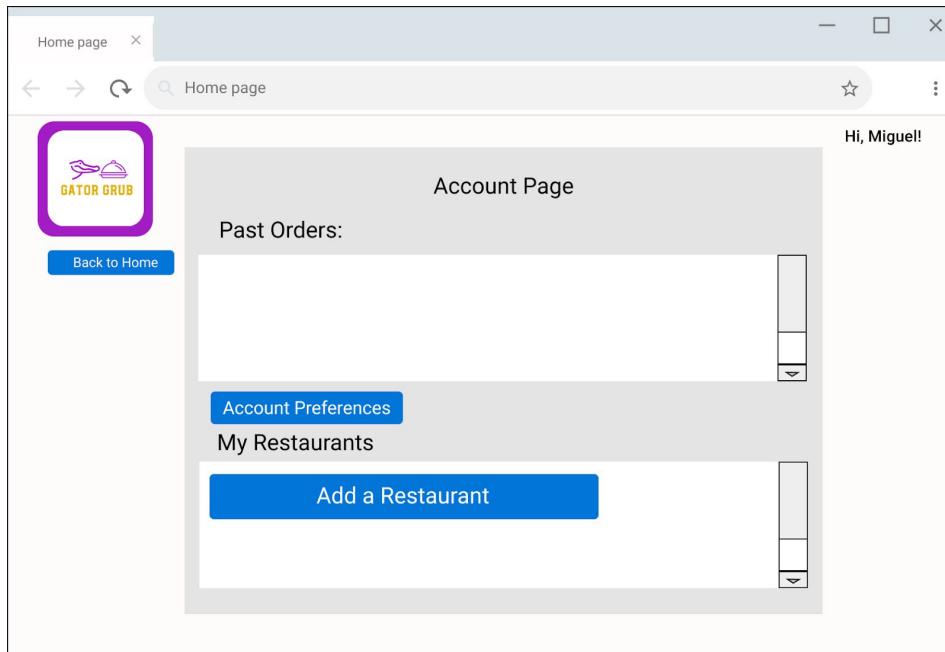
The screenshot shows a web browser window titled "Login page". On the left, there is a logo for "GATOR GRUB" featuring a stylized gator head and the text "GATOR GRUB". Below the logo is a blue "Back to Home" button. The main area is titled "Login Page". It contains two input fields: "Username:" and "Password:", each with a corresponding "Forgot [Field]?" link below it. A green "Login" button is centered below the inputs. At the bottom of the form, there is a blue button with the text "New to GatorGrub? Sign up here!"

3. Since he does not have an account, he needs to register.

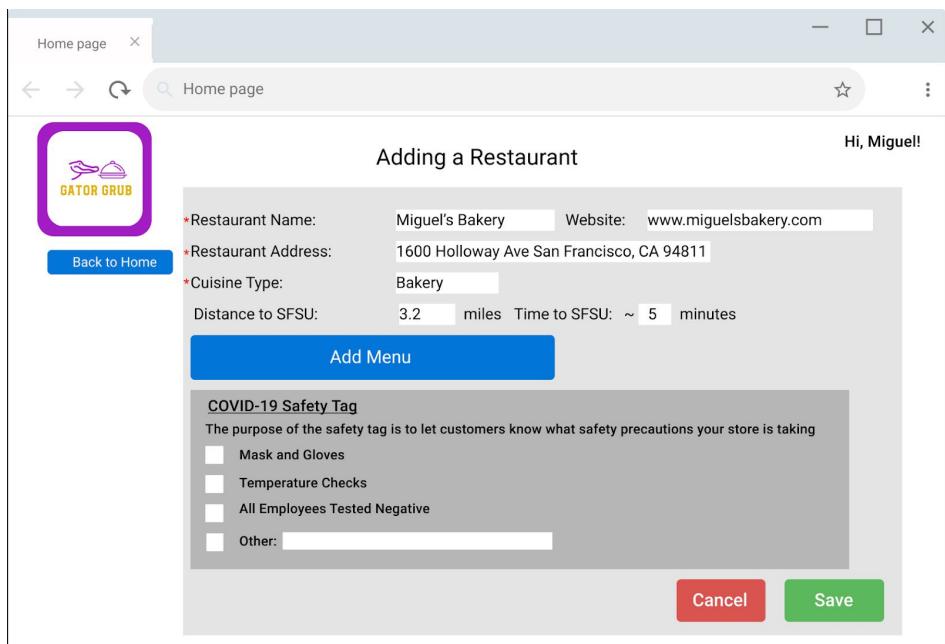


The screenshot shows a web browser window titled "Signup page". On the left, there is a logo for "GATOR GRUB" featuring a stylized gator head and the text "GATOR GRUB". Below the logo is a blue "Back to Home" button. The main area is titled "Signup Page". It contains six input fields, each marked with a red asterisk indicating it is required: "Username:", "Email:", "Confirm Email:", "Password:", and "Confirm Password:". A green "Sign up" button is located at the bottom of the form.

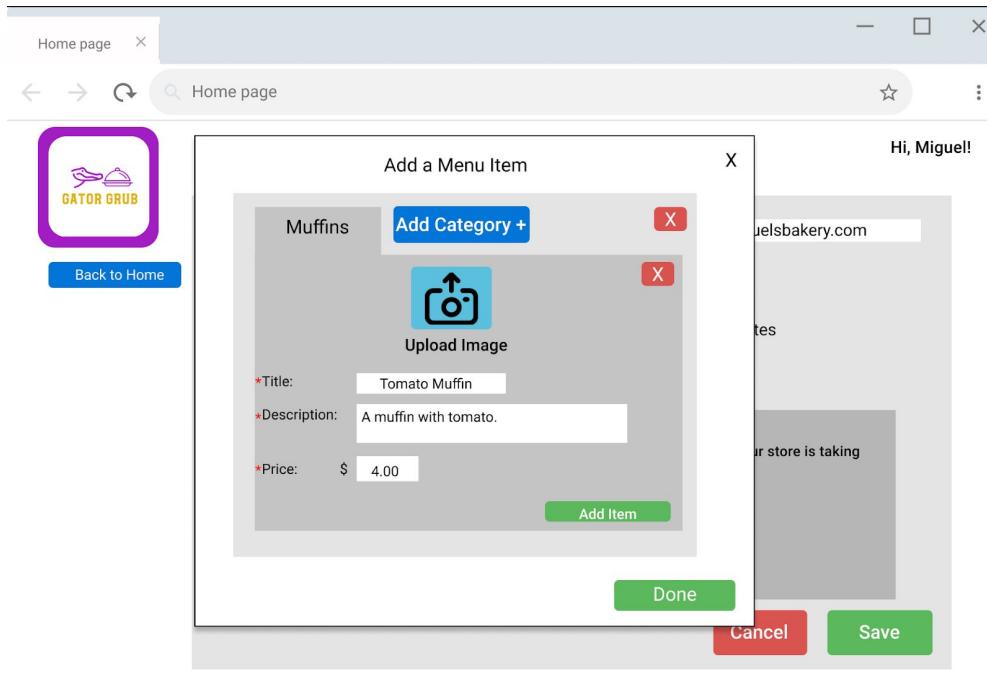
4. After creating an account, he is taken to the Accounts page, where he can see all the past orders if any, or have an option of adding a restaurant.



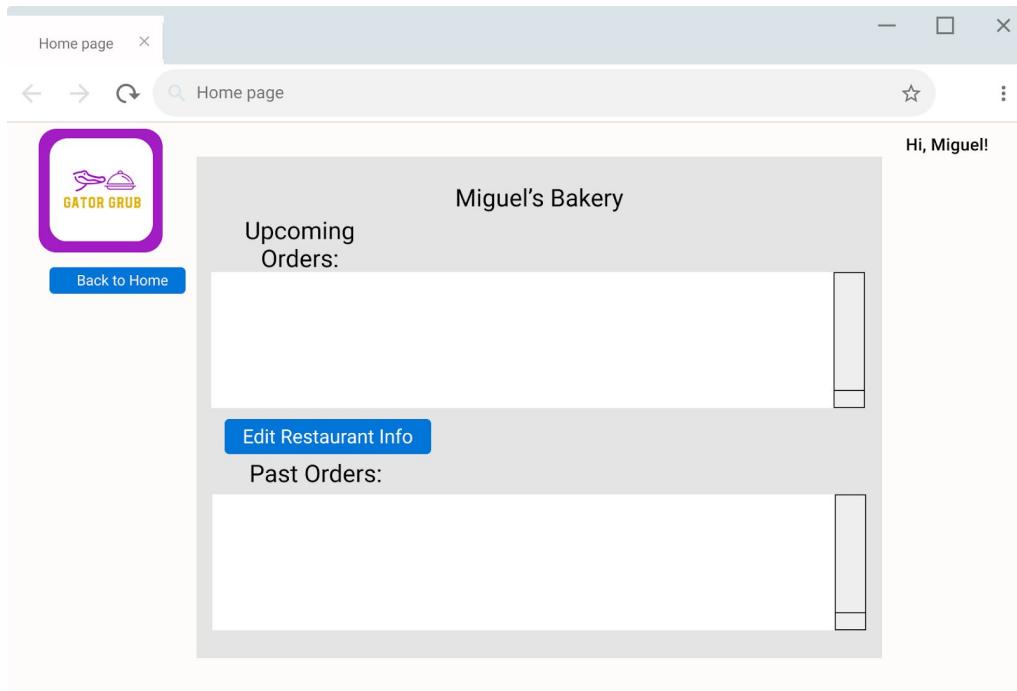
5. He clicks on 'Adding a Restaurant' and fills up the Restaurant details and is provided a checklist for Covid-19 safety details to be filled up.



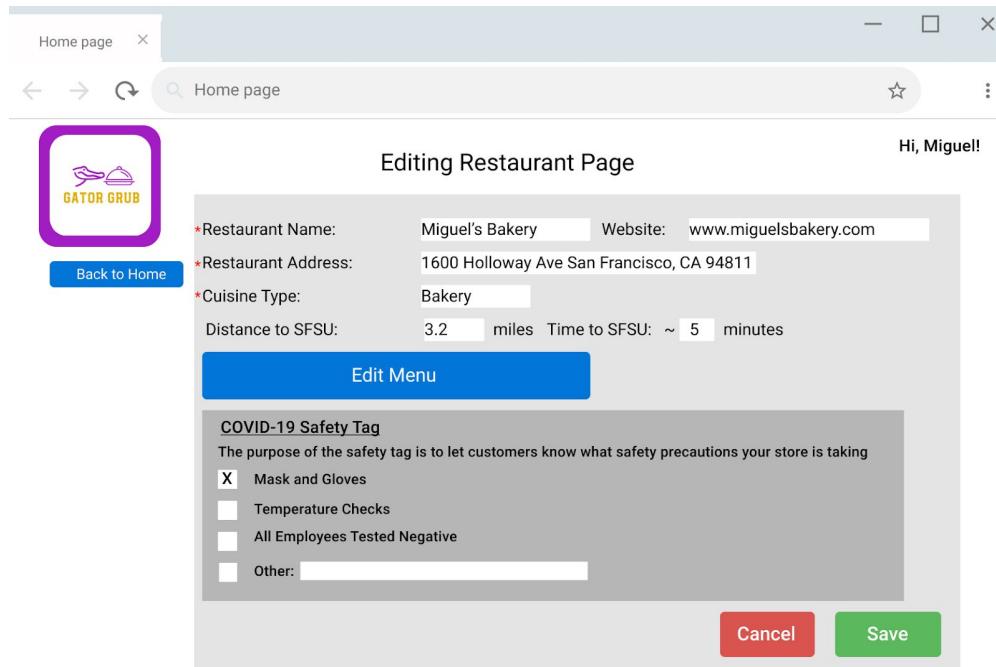
6. He fills up all the details and is then required to add the Menu items.



7. He then saves all the details of the menu items and is taken back to the previous page where he can edit the restaurant details if required or can go to the homepage if done.



8. He clicks on the edit Restaurant page and makes changes and saves it.



The screenshot shows a web browser window with the title "Editing Restaurant Page". The page displays information about a restaurant named "Miguel's Bakery" located at "1600 Holloway Ave San Francisco, CA 94811" with a "Bakery" cuisine type. It also shows a distance of "3.2 miles" and a time of "5 minutes" to SFSU. Below this, there is a blue button labeled "Edit Menu". A section titled "COVID-19 Safety Tag" contains a list of safety measures with checkboxes. The "Mask and Gloves" checkbox is checked (indicated by an 'X'). Other options include "Temperature Checks", "All Employees Tested Negative", and a field for "Other" which is empty. At the bottom right are two buttons: "Cancel" (red) and "Save" (green). The top of the browser window shows a "Home page" tab and a search bar with the text "Home page".

## **“Focus Group Summary Feedback And Action Plans”**

### **1. Goals and Objectives of the Focus Group :**

Focus Groups are used to develop or improve products or services. The main purpose is to provide data to enhance, change or create a product or service targeted at a key customer group.

The main goal of our Focus Group is to gather customer insight into current or prospective products, services or ideas.

Focus groups can be effective research tools for learning new information about the customers, competitors or products, or confirming marketing assumptions you've made before you begin using them to create strategies and tactics.

## 2. Focus Group Structure: what was shown to the professor

Use case 1 :

Home page

Search for

Sign up Sign in

Zip code

Food near me

Safety Certified

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Page 1

Home page

Search Results : 50

Zip code

Food near me

Restaurant A Safety

Restaurant B Safety

Restaurant C Safety

Go to Google Maps

copyright@2020-2021 by Gator Grub

Page 2

Home page

Menu page

Restaurant A Local Favorite

Most Popular

Salmon

Garlic butter smothered salmon is a given. It's possibly one of the most amazing, delicious ways to eat a juicy piece of salmon and gets cooked twice a week in this house. It's been a while since we gave you salmon and it's time.

20.99

Add

BBQ Steak

Garlic butter smothered salmon is a given. It's possibly one of the most amazing, delicious ways to eat a juicy piece of salmon and gets cooked twice a week in this house. It's been a while since we gave you salmon and it's time.

15.99

Add

Salad, Carrot & Potato

Garlic butter smothered salmon is a given. It's possibly one of the most amazing, delicious ways to eat a juicy piece of salmon and gets cooked twice a week in this house. It's been a while since we gave you salmon and it's time.

12.99

Add

Chef Special

Other's

Check Out

Page 3

Home page

Login page

Note Before proceeding to checkout, you need to create an account or Login if it already exists.

Back to Cart

Back to Home

Login Page

Username:

Forgot Username?

Password:

Forgot Password?

Login

New to GatorGrub? Sign up here!

Page 4

Home page

### Checkout

Your Order:

Picture	Food name	Amount	Price
	Pizza	1	10.99
	Noodle	2	21.98

Total: 21.98

Deliver to:  SFSU Distance: 3.2 miles  
 Location on campus:

My address

Delivery time:  ASAP  
 Schedule Delivery at: 12:30 PM on Monday

Contactless delivery:

Page 5

Home page

### Payment

Select Payment Methods:

		Cash	Check
<input checked="" type="radio"/>	<input type="radio"/>		

#	Picture	Food name	Amount	Pricing
1		Pizza	2	10.99
2		Noodle	1	8.99
3		Burger	2	5.99

Delivery Address: SFSU Library  
 Phone: (415) 338-1111  
 Schedule(optional): None  
 contactless delivery:   
 Payment Method: In-person

Total: 25.97

Page 6

Home page

### Tracking

Hi Tyler

#	Picture	Food name	Amount	Pricing
1		Pizza	2	10.99
2		Noodle	1	8.99
3		Burger	2	5.99

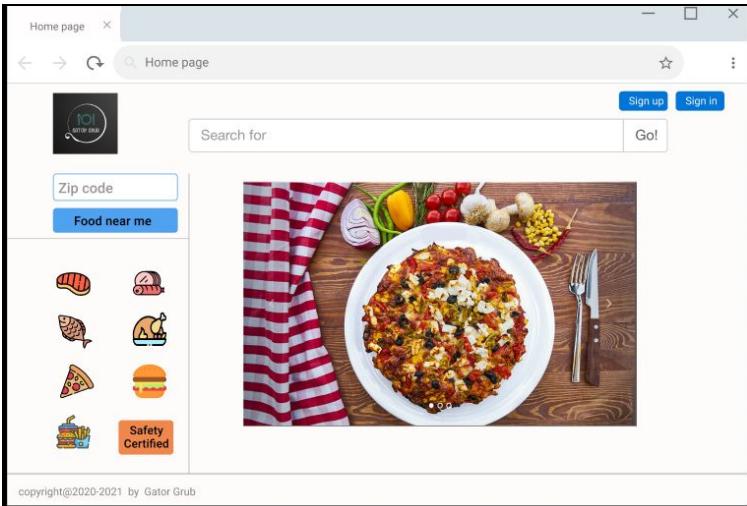
Total: 25.97

Delivery Address: SFSU Library  
 Phone: (415) 338-1111  
 Schedule(optional): None  
 contactless delivery:   
 Payment Method: In-person

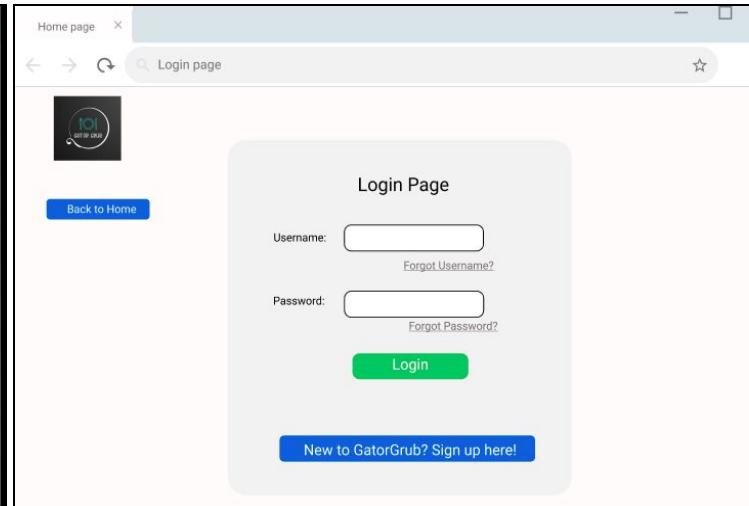
ETA: 10 min Status: Order Received

Page 7

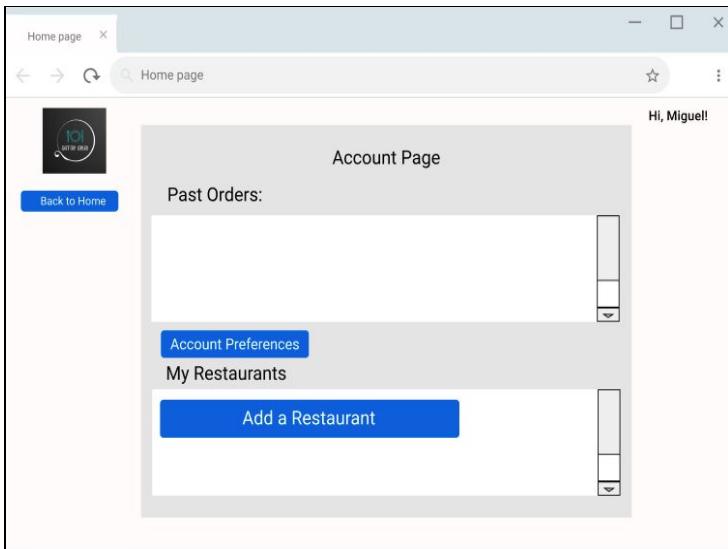
## Use Case 2 :



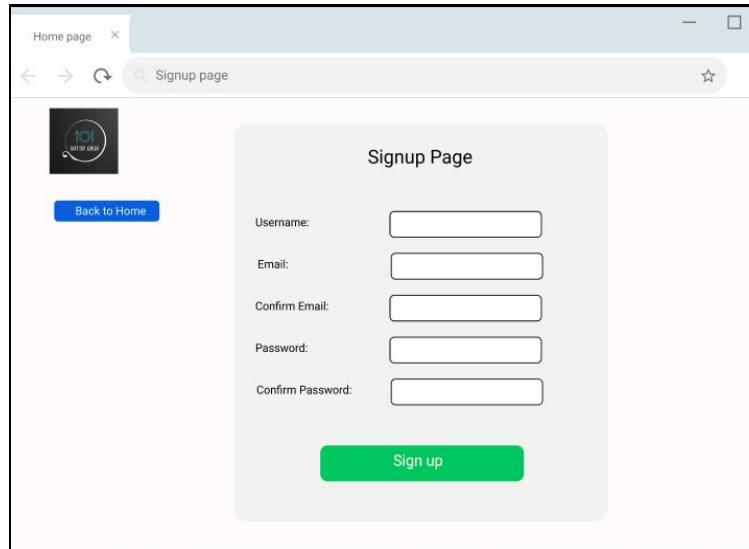
Page 1



Page 2



Page 3



Page 4

Home page

Adding a Restaurant

Hi, Miguel!

Restaurant Name: Miguel's Bakery

Restaurant Address: 1600 Holloway Ave San Francisco, CA 94811

Cuisine Type: Bakery

Distance to SFSU: 3.2 miles

[Add Menu](#)

**COVID-19 Safety Tag**  
The purpose of the safety tag is to let customers know what safety precautions your store is taking

- Mask and Gloves
- Temperature Checks
- All Employees Tested Negative
- Other: \_\_\_\_\_

[Cancel](#) [Save](#)

Page 5

Home page

Adding a Restaurant

Hi, Miguel!

Restaurant Name: Miguel's Bakery

Restaurant Address: 1600 Holloway Ave San Francisco, CA 94811

Cuisine Type: Bakery

Distance to SFSU: 3.2 miles

[Back to Home](#)

**Add a Menu Item**

Muffins

Title: Tomato Muffin [Upload Picture](#)

Description: A muffin with tomato.

Price: \$ 4.00

[Remove](#) [Add](#)

[New Item +](#)

[Add Category +](#)

[Save](#)

Page 6

Home page

Miguel's Bakery

Upcoming Orders:

Past Orders:

[Edit Restaurant Info](#)

Page 7

Home page

Edit Restaurant Page

Hi, Miguel!

Restaurant Name: Miguel's Bakery

Restaurant Address: 1600 Holloway Ave San Francisco, CA 94811

Cuisine Type: Bakery

Distance to SFSU: 3.2 miles

[Edit Menu](#)

**COVID-19 Safety Tag**  
The purpose of the safety tag is to let customers know what safety precautions your store is taking

- Mask and Gloves
- Temperature Checks
- All Employees Tested Negative
- Other: \_\_\_\_\_

[Cancel](#) [Save](#)

Page 8

Home page

New Restaurant Page

Hi, Miguel!

Back to Home

Restaurant Name: Miguel's Bakery

Restaurant Address: 1600 Holloway Ave San Francisco, CA 94811

Cuisine Type: Bakery

Distance to SFSU: 3.2 miles

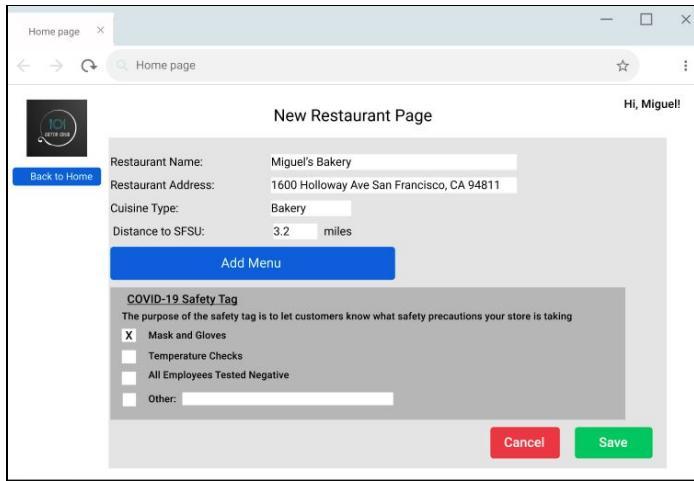
Add Menu

**COVID-19 Safety Tag**

The purpose of the safety tag is to let customers know what safety precautions your store is taking

Mask and Gloves  
 Temperature Checks  
 All Employees Tested Negative  
 Other: \_\_\_\_\_

Cancel Save



Page 9

---

## **How Feedback was collected :**

We had a focus group meeting with the professor, wherein we received feedback from the Professor regarding our use cases and screens/ UI for the application.

Feedback Collected:

Homepage :

- Enter labels for each input (eg : enter zip code, or city)
- Below the search bar, add Food near me
- On the homepage, add a button to an about page, where we let people know that this is a fake website for our class
- On the homepage, remove the picture and add Featured Restaurant
- Some text on homepage(left side) -- (eg: choose the food you like), also add name to identify each item (eg : Pizza)

Search Results Page:

- Rename the button to food near SFSU
- More information on each restaurant
- Button rename → safety ? (add Covid Safety instead)

Menu Page:

- Change icon of shopping cart (it's an order)
- Have maps
- Login Page:
- Print order on left
- Guest Registration -- only email and basic info

- Create account -- benefits of creating account
- No real form for payment

Checkout Page :

- For delivery address, group it
- Default shouldn't be Library, keep it as : Choose SFSU location and keep it as a mandatory field
- For Contactless delivery, add the symbol “?” to define what that means
- Keep the Payment and Checkout in a single page

Vendor Side Information :

- Add a button on the home page for restaurant owners
- Add a textbox allowing restaurants to add a website
- Add a textbox allowing restaurants to add estimated delivery time

Main key points :

- Increase Clarity
- Expedite Ordering
- Minimize Clicks
- Minimize screens
- Indicate required fields

### **3. Team Summary of the Feedback**

We, as a Team conducted a meeting after the Focus Group meeting with the Professor and tried to make changes in our High Fidelity Design.

We made changes to the High Fidelity design pages using Figma and incorporated the feedback provided by Professor.

We made the registration easier for the user, and also minimized the number of clicks and the number of screens by having some good practices of UI design. The screen templates seems to be more consistent and the overall design is appealing.

We plan to implement the different pages once the Individual Project gets completed, so that each person will be able to dedicate his/her time.

#### **4. Actual plans on what is to be changed based on Feedback**

- Added red asterisk next to every required field.
- Allowed users to checkout with only their name, phone number and email address
- Redesigned the logo to better show our connection to SFSU
- Added fields to allow restaurant owners to add estimated delivery time, as well as their website
- Redesigned the page for added menu items, making it more clear
- Redesigned home page, showing and indicating featured restaurants, added text to category icons
- Added buttons for food near SFSU, about page, and a button for restaurant owners

# CSC 642-842 HCI Summer 2020

## “Usability Evaluation”

Project Name: Gator Grub

*Gator Grub is an application that allows users to order food online from their favourite restaurants.*

Team 03

Team Members:

Megha Babariya([mbabariya@mail.sfsu.edu](mailto:mbabariya@mail.sfsu.edu)),

Mantasha Khan,

Zhiming Wu,

Kevin Chan,

Alex Gao

Version:

Version No.	Date	Comments(if any)
01	07/25/2020	Initial document
02	07/30/2020	Revised & Frozen

# 1. Executive Summary

Gator Grub is an application that allows users to order food from a particular restaurant or shop, and get it delivered to their footsteps. It will also have a pickup option. This will allow the users to get food without any hassle. Although there are a variety of other applications and websites for food ordering, Gator Grub has several features that make it stand out. Our first aim here is to get the user to order food without any registration/login requirements, which will familiarize the user with the application before requiring and prompting them to sign up / login before checkout (Lazy Registration). Additionally, our application shall allow the vendor to quickly and easily add and edit their restaurant information to the application. This makes it an appealing option from both the perspectives of the customers who are ordering, and the vendors who are selling.

Our application has various features, some of which include:

1. Getting food from nearby restaurants by a single click
2. Avoiding delivery fees for upto 5 mile range
3. Extremely user-friendly experience
4. Safety tag for COVID-19
5. Scheduled orders
6. Discounts for SFSU students

This should create an overall simple and enjoyable user experience, and consequently encourage them to sign-up/register.

**2. Usability evaluation/testing plan:**

**1. Plan for evaluation of effectiveness:**

- a. Experiment setup: We would instruct the testers to open our website using any of our supported OS/Browser combinations.
- b. Actual tasks we would administer to testers: We would administer a variety of tasks in order to demonstrate the main functions of our website. These include, but are not limited to:
  - Search for Italian Food
  - Create a new account
  - Log into an account and then order an item from an Italian restaurant, and have it delivered to SFSU library ASAP
  - Order an item from an Italian restaurant and schedule it to be delivered at noon tomorrow, without logging in or creating an account
  - Create a new restaurant called “A Restaurant” with the address being 1600 Holloway Ave, San Francisco, CA, 94132, and category being Bakery, and add a single \$5 muffin with the description of “a muffin” to the menu.
- c. How we would collect results: Results would be collected by testers self-reporting whether or not they were able to complete the assigned task within the given time frame. For each task we would also ask the tester for any comments on the specific test, and if they were unable to complete the task, we would ask them what errors they encountered that prevented them from doing so.

d. Format for presenting results: We would create a document to present the results, with sections providing background on our project, what kind of tasks we asked testers to complete, as well as the size of our test group. For presenting the actual data, we would create a table with columns for task name, % completed, errors, comments. At the end of the document, we would summarize our findings from the data, and describe which tasks were able to be completed at a satisfactory completion rate, and suggestions for improvement for the tasks which were deemed to have an unsatisfactory completion rate.

2. **Plan of evaluation of efficiency:**

- a. Experiment setup: We would instruct the testers to open our website using any of our supported OS/Browser combinations. We would also have the tester screen share their screen with the proctor over Zoom, and record the session, in order to accurately and easily record the amount of time, number of clicks, and number of screens required to complete each task.
- b. Actual tasks we would administer to testers: We would administer a variety of tasks in order to demonstrate the main functions of our website. These include, but are not limited to:
  - Search for Italian Food
  - Create a new account
  - Log into an account and then order an item from an Italian restaurant, and have it delivered to SFSU library ASAP

- Order an item from an Italian restaurant and schedule it to be delivered at noon tomorrow, without logging in or creating an account
  - Create a new restaurant called “A Restaurant” with the address being 1600 Holloway Ave, San Francisco, CA, 94132, and category being Bakery, and add a single \$5 muffin with the description of “a muffin” to the menu.
- c. How we would collect results: Results would be collected by our team going over the recorded tests, and writing down the amount of time, number of clicks, and number of screens it took to complete each task.
- d. Format for presenting results: We would create a document to present the results, with sections providing background on our project, what kind of tasks we asked testers to complete, as well as the size of our test group. For presenting the actual data, we would create a table for each task, with mean, median, range, and outliers in each of the 3 categories: time, clicks, and screens. At the end of the document, we would summarize and analyze our findings from the data, and describe which tasks were able to be completed within a satisfactory time, and suggestions for improvement for the tasks which were deemed to have a slow completion time, or high number of screens/clicks.

### 3. **Plan for subjective feedback:**

- a. We would administer a variety of tasks in order to demonstrate the main functions of our website. These include, but are not limited to:
- Search for an Italian restaurant.

- Search for an item from an Italian restaurant and schedule it to be delivered at noon tomorrow, without logging in or creating an account.
- As a restaurant owner, create a new account, then create a new restaurant called “A Restaurant” with the address being 1600 Holloway Ave, San Francisco, CA, 94132, and category being Bakery, and add a single \$5 muffin with the description of “a muffin” to the menu.

b. Here are examples of Lickert Scale evaluation questions that we would use:

I found it easy to search for an Italian restaurant.

Strongly Disagree  Disagree  Neutral  Agree  Strongly Agree

I found it easy to order food, and have it scheduled for delivery.

Strongly Disagree  Disagree  Neutral  Agree  Strongly Agree

I found the restaurant creation process to be intuitive and quick.

Strongly Disagree  Disagree  Neutral  Agree  Strongly Agree

c. Besides for the Lickert Scale evaluation questions, we would also include an optional comment section, in order to facilitate more in-depth feedback and suggestions.

# CSC 642-842 HCI Summer 2020

## “Final Implementation and Evaluation”

Project Name: Gator Grub

*Gator Grub is an application that allows users to order food online from their favourite restaurants.*

Team 03

Team Members:

Megha Babariya([mbabariya@mail.sfsu.edu](mailto:mbabariya@mail.sfsu.edu)),

Mantasha Khan,

Zhiming Wu,

Kevin Chan,

Alex Gao

Version:

Version No.	Date	Comments(if any)
01	08/04/2020	Initial document

# I. Executive Summary

Gator Grub is an application that allows users to order food from a particular restaurant or shop, and get it delivered to their footsteps. It will also have a pickup option. This will allow the users to get food without any hassle. Although there are a variety of other applications and websites for food ordering, Gator Grub has several features that make it stand out. Our first aim here is to get the user to order food without any registration/login requirements, which will familiarize the user with the application before requiring and prompting them to sign up / login before checkout (Lazy Registration). Additionally, our application shall allow the vendor to quickly and easily add and edit their restaurant information to the application. This makes it an appealing option from both the perspectives of the customers who are ordering, and the vendors who are selling.

Our application has various features, some of which include:

1. Getting food from nearby restaurants by a single click
2. Avoiding delivery fees for upto 5 mile range
3. Extremely user-friendly experience
4. Safety tag for COVID-19
5. Scheduled orders
6. Discounts for SFSU students

This should create an overall simple and enjoyable user experience, and consequently encourage them to sign-up/register.

## II. Platform and Tools used in Project

- UX Design Tool:Figma
  - Used for section 2.2 Initial (Low-Fidelity) UI/UX Design
  - Used for section 2.3 High-Fidelity UI Design Prototype
- Automated QA Tool: Selenium
  - Used for section 2.5 QA Testing
- API(s) Used
  - Google Maps
- Tech Stack: Frontend
  - HTML
  - Javascript
  - CSS
- Tech Stack: Backend
  - N/A
- Framework
  - Bootstrap

### **III. Screenshots of current final implementation**

#### **a. Use Case/Storyboard 1: New Customer**

Tyler is a full-time student at SFSU and works part-time to cover his expenses. He does not have enough time to prepare food and therefore mostly orders the food from restaurants. He learns about a new application named Gator Grub and thinks to try out the application to order his meal. He quickly downloads the application and finds out that registration is not required and he can quickly look into options of different restaurants by just a single click that requires him to enter his pincode to show the nearby places. He gets happy and goes further and gets some more filters to find out restaurants that are safe during this CoronaVirus pandemic. He is quickly able to add orders to his cart and lastly register to the application. This speeds up the process and Tyler is more happy to see the discount offered to SFSU students and quickly finishes ordering the food.

1. Tyler opens the Gator Grub homepage.

The screenshot shows the Gator Grub homepage with a purple header bar. The header includes the Gator Grub logo, the text "HCI Class SFSU CS Department Summer 2020", and navigation links for Home, About Us, For Restaurant Owners, Sign up, and Sign in. Below the header is a search bar with "Search for" placeholder text and a "Go!" button. To the right is another search bar with "Enter zip code/city" placeholder text and a "Go!" button. There are also buttons for "Food near Me" and "Food near SFSU". The main content area is titled "Featured Restaurants" and displays three cards for Shawarma (\$), Pho Land (\$\$), and Burger Palace (\$). Each card includes a thumbnail image, the restaurant name, a star rating, the price range, a brief description, and operating hours. At the bottom of each card is a button labeled "Check the Covid-19 safety measures for this restaurant". Below the cards are three smaller images of food.

2. He enters a zip code and clicks on "Food near me" and obtains the search results.

The screenshot shows the Gator Grub homepage with a purple header bar. The header includes the Gator Grub logo, the text "HCI Class SFSU CS Department Summer 2020", and navigation links for Home, About Us, For Restaurant Owners, Sign up, and Sign in. Below the header is a search bar with "Search for" placeholder text and a "Go!" button. To the right is another search bar with "Enter zip code/city" placeholder text and a "Go!" button. There are also buttons for "Food near Me" and "Food near SFSU". The main content area is titled "Search Result : 50" and displays the same three cards for Shawarma (\$), Pho Land (\$\$), and Burger Palace (\$) as the homepage. Each card includes a thumbnail image, the restaurant name, a star rating, the price range, a brief description, and operating hours. At the bottom of each card is a button labeled "Check the Covid-19 safety measures for this restaurant". To the right of the search results is a "Google Maps" section showing a map of San Francisco with a red pin indicating the location. The map includes various neighborhood names like North Beach, Financial District, and Mission District.

3. He finds out ‘Restaurant A’ and looks into the Covid-19 safety provided by the restaurant.

The screenshot shows a web-based restaurant search interface. At the top, there's a navigation bar with a logo, the text "HCI Class SFSU CS Department Summer 2020", and links for "Home", "About Us", "For Restaurant Owners", "Sign up", and "Sign in". Below the navigation is a search bar with placeholder text "Search for" and a "Go!" button. To the right of the search bar are buttons for "Enter zip code/city", "Food near Me", and "Food near SFSU". On the left, there's a sidebar titled "Quick Filter by Food" with categories like Steak, Ham, Fish, Chicken, Pizza, Burgers, and Fast food. A "Safety Certified" badge is also present. The main area displays a "Search Result : 50" section. A modal window titled "Covid-19 Safety" is open, containing text about Restaurant A's safety measures: "Restaurant A considers various different parameters for Safety. The Restaurant has compulsory mask and gloves for all the working staff. It has daily temperature checks of all the staff members at 9 a.m.". Below the modal, two restaurant cards are shown: "Shawarma" (5.0 stars, \$) and "Pho Land" (4.5 stars, \$\$). Each card includes a "Check the Covid-19 safety measures for this restaurant" button. To the right, there's a "Google Maps" section showing a map of San Francisco with a red pin indicating the restaurant's location. The map includes buttons for "Map" and "Satellite" view, and links for "Directions", "Call", and "Share".

4. Tyler then selects ‘Restaurant A’ and goes to its menu page.

The screenshot shows a restaurant menu page. At the top, there's a navigation bar with a logo, the text "HCI Class SFSU CS Department Summer 2020", and links for "Home", "About Us", "For Restaurant Owners", "Sign up", and "Sign in". Below the navigation is a search bar with a "Back to Search" button. To the right, there's a sidebar titled "My Cart" showing three items: "My order: 3 items", "My order: Item 1", "My order: Item 2", "My order: Item 3", and a "Check Out" button. The main content area displays a "Search Result : 50" section with a "Most Popular" filter. Two dishes are shown: "Salad, Carrot & Potato" (price \$12.99) and "BBQ Steak" (price \$20.99). Each dish has a small image and a brief description below it. The "Salad, Carrot & Potato" description reads: "Sauce smothered salad is a given takeaway. It's possibly one of the most amazing, delicious ways to eat a wonderful pieces of vegetables and it has various sauces included in it. It's been a while since we gave you Salad and it's time." The "BBQ Steak" description reads: "Garlic butter smothered BBQ Steak is a given. It's possibly one of the most amazing, delicious ways to eat a juicy piece of Steak and gets cooked twice a week in this house. It's been a while since we gave you Steak and it's time."

5. He selects a few items and adds them to his cart. He presses checkout and is taken to a page where he can view his cart, and provide his information to complete his order.

The screenshot shows a user's order summary on the left and a note to create an account or log in on the right.

**Your order:**

#	Picture	Food Name	Quantity	Price
1		Pizza	2	\$10.99
2		Noodle	1	\$8.99
3		Burger	2	\$5.99
<b>Total: \$25.97</b>				

**Note:**

Before proceeding to checkout, you need to create an account or Login if it already exists.

**User Information Fields:**

- Name: \*  Enter your name
- Phone Number: \*  Enter 7 digit phone number
- Email: \*  Email Address

**Buttons:**

- Complete Your Order
- Login
- Signup

**Text at the bottom:**

Login or Create an account to save your information for next time!

6. Once he provides his information, logs in or creates an account, he is taken to the checkout page, where he can select his payment method, and choose his delivery options.

The screenshot shows a user's order summary on the left and payment/delivery options on the right.

**Your order:**

#	Picture	Food Name	Quantity	Price
1		Pizza	2	\$10.99
2		Noodle	1	\$8.99
3		Burger	2	\$5.99
<b>Total: \$25.97</b>				

**Payment**

**Select Payment Methods:**

Cash    Check

**Deliver to:**

SFSU   Location on campus: Choose one...

My address  
Enter your Street / Avenue /Apt   
Enter your City

**Delivery time:**

ASAP    Schedule Delivery at: 12:30PM  on: Mondays

Contactless delivery  
 Verify your order before check out

**Buttons:**

Check out

7. Finally, he places the order and is able to track the order progress.

The screenshot shows a tracking page for an order. At the top, there's a purple header with the "GATOR GRUB" logo, the text "HCI Class SFSU CS Department Summer 2020", and navigation links for "Home", "About Us", "For Restaurant Owners", "Sign up", and "Sign in". The main content area has a light blue background and is titled "Tracking". It displays a table of the order items:

#	Picture	Food Name	Quantity	Price
1		Pizza	<input type="text" value="2"/>	\$10.99
2		Noodle	<input type="text" value="1"/>	\$8.99

Below the table, there's a summary box with the total amount: "Total: \$25.97". It also contains optional delivery information:

- Delivery Address: SFSU Library
- Phone: (415) 338-1111
- Schedule(optional): ASAP
- Contactless delivery: Accept
- Payment Method: In-person

At the bottom of the page, there are two status indicators: "ETA: 10 min" and "Status: Order Received". A green "Home" button is located in the bottom right corner. The footer of the page includes a copyright notice: "Copyright © CSC 642-842 Summer".

### b. Use Case/ Storyboard 2: New Vendor

Miguel owns a bakery in Daly city and is interested in selling his baked food online. He is new to online marketing and does not have good skills in using technologies. He finds out that nearby restaurants are gaining profit by marketing using the Gator Grub application. He decides to use that application and downloads it. He is required to mark a checklist for COVID-19 safety precautions taken by his restaurant. And easily, he adds up his restaurant to the application without any hassle.

1. Miguel is new to Gator Grub. He goes to the homepage.

The screenshot shows the Gator Grub homepage with a purple header bar. The header includes the Gator Grub logo, the text "HCI Class SFSU CS Department Summer 2020", and navigation links for Home, About Us, For Restaurant Owners, Sign up, and Sign in. Below the header is a search bar with a "Go!" button, a zip code search bar with a "Go!" button, and buttons for "Food near Me" and "Food near SFSU". On the left, there's a "Quick Filter by Food" sidebar with categories like Steak, Ham, Fish, Chicken, Pizza, Burgers, and Fast food, each with a "Safety Certified" badge. The main content area is titled "Featured Restaurants" and displays three cards for Shawarma (\$), Pho Land (\$\$), and Burger Palace (\$). Each card shows a photo of the restaurant's food, its name, average rating, number of reviews, hours, and a "Check the Covid-19 safety measures for this restaurant" link. Below the cards are three smaller images of food.

2. He presses the For Restaurant Owners button, which takes him to the login page.

The screenshot shows the "Restaurant Owner Login" page. It features a purple header bar with the Gator Grub logo, the text "HCI Class SFSU CS Department Summer 2020", and navigation links for Home, About Us, For Restaurant Owners, Sign up, and Sign in. The main content area is titled "Restaurant Owner Login" and contains two input fields: "Username:" and "Password:". Each field has a placeholder "Enter your Username" or "Enter your Password" and a "Forgot [Field]?" link. A "Login" button is located below the password field. At the bottom of the form is a link "New to GatorGrub? Sign up here!"

3. Since he does not have an account, he needs to register.

The screenshot shows the 'Sign Up' page of the website. At the top, there is a purple header bar with the text 'HCI Class SFSU CS Department Summer 2020' and navigation links for 'Home', 'About Us', 'For Restaurant Owners', 'Sign up', and 'Sign in'. Below the header is a light blue main content area with a form titled 'Sign Up'. The form contains six input fields with labels: 'Username:'\*, 'Full Name:'\*, 'Email:'\*, 'Confirm Email:'\*, 'Password:'\*, and 'Confirm Password:'\*. Each field has a placeholder text inside it. A 'Sign Up' button is located at the bottom of the form.

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4. After creating an account, he is taken to the Accounts page, where he can see all the past orders if any, or have an option of adding a restaurant.

The screenshot shows the 'Restaurant Owner Page' of the website. At the top, there is a purple header bar with the text 'HCI Class SFSU CS Department Summer 2020' and navigation links for 'Home', 'About Us', 'For Restaurant Owners', and 'Logout'. Below the header is a light blue main content area with a section titled 'Past Orders:' followed by a large empty text area. There is also a dark blue button labeled 'Account Preferences'. Below that is a section titled 'My Restaurants:' with a dark blue button labeled 'Add a restaurant' above a large empty text area.

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5. He clicks on ‘Adding a Restaurant’ and fills up the Restaurant details and is provided a checklist for Covid-19 safety details to be filled up.

Adding a Restaurant to Your Account

Restaurant Name:

Website:

Full Restaurant Address:

Cuisine Type:

Distance to SFSU:  miles    Time to SFSU:  minutes

**Add Menu**

COVID-19 Safety Tag: The purpose of the safety tag is to let customers know what safety precautions your store is taking.

Masks and Gloves  
 Temperature Checks  
 All Employees Tested Negative  
 Other:

**Cancel** **Save**

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6. He fills up all the details and is then required to add the Menu items.

Adding a Menu Item

Muffins **Add Category +** **X**

**Upload Image**

Title: Tomato Muffin

Description: A muffin with tomato.

Price: \$ 4.00

**Add Item**

**Close** **Save changes**

7. He then saves all the details of the menu items and is taken back to the previous page where he can edit the restaurant details if required or can go to the homepage if done.

The screenshot shows the homepage of the HCI Class SFSU CS Department Summer 2020 website. At the top, there is a purple header bar with the text "HCI Class SFSU CS Department Summer 2020". Below the header, there is a logo for "GATOR GRUB" and a navigation bar with links for "Home", "About Us", "For Restaurant Owners", and "Logout". The main content area has a light purple background and features a section titled "Miguel's Bakery". It includes two empty tables labeled "Upcoming Orders:" and "Past Orders:". A button labeled "Edit Restaurant Info" is located between the two tables. At the bottom of the page, there is a pink footer bar with the text "Copyright © CSC 642-842 Summer".

8. He clicks on the edit Restaurant page and makes changes and saves it.

The screenshot shows the "Edit Restaurant Info for Miguel's Bakery" page. The page has a light purple background. At the top, it displays the restaurant name "Miguel's Bakery", website "www.miguelsbakery.com", address "1600 Holloway Ave San Frar...", and cuisine type "Bakery". Below this, it shows a distance of "3.2 miles" and time to "SFSU: 5 minutes". There is a button labeled "Add Menu". A section titled "COVID-19 Safety Tag: The purpose of the safety tag is to let customers know what safety precautions your store is taking." contains several checkboxes: "Masks and Gloves" (checked), "Temperature Checks", "All Employees Tested Negative", and "Other: [ ]". At the bottom right, there are "Cancel" and "Save" buttons. At the very bottom of the page, there is a pink footer bar with the text "Copyright © CSC 642-842 Summer".

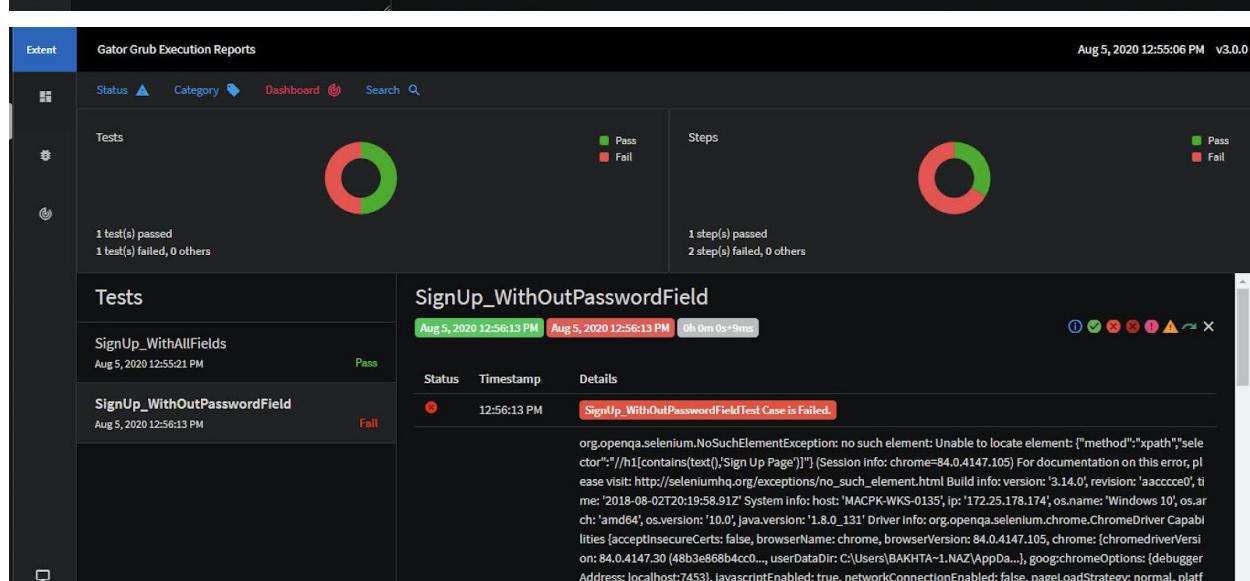
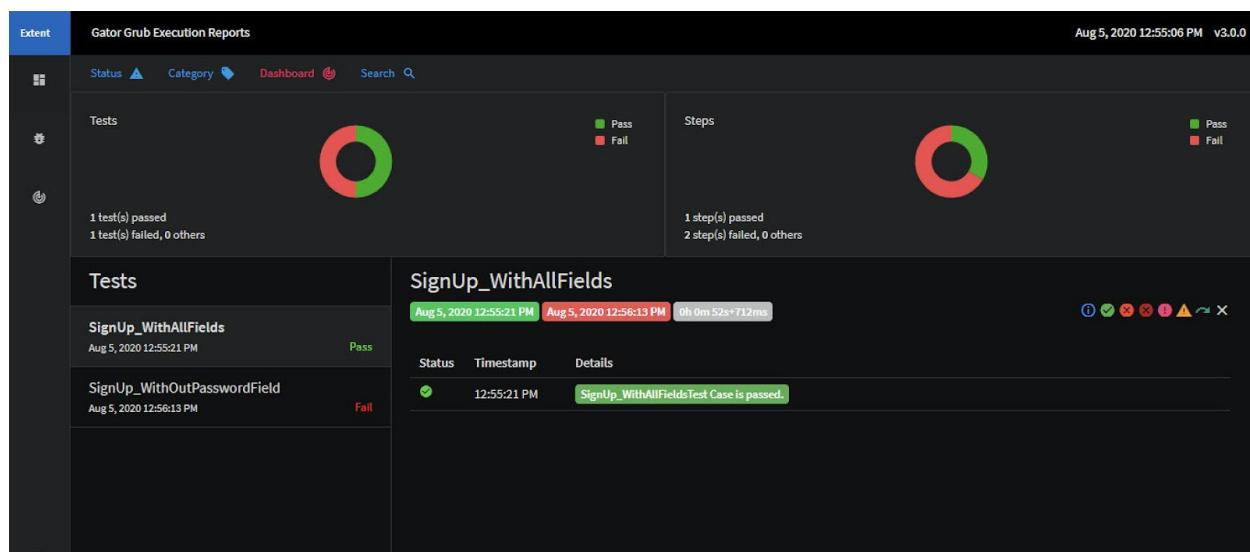
## IV. URLs of relevant material

- Demo site URL:  
[https://megha1005.github.io/CSC-642-842\\_Team\\_3/project/index.html](https://megha1005.github.io/CSC-642-842_Team_3/project/index.html)
- Github project link: [https://github.com/Megha1005/CSC-642-842\\_Team\\_3](https://github.com/Megha1005/CSC-642-842_Team_3)

## V. Information about QA tool used, and screenshots

The UI QA test tool we chose to use was Selenium.

Here are the screenshots of the tool test output on one chosen UI page:



## Chapter 2: Team Member Contributions:

Megha Babariya(Team Lead):

- Directing Meetings.
- Delivering Documents to Professor and adding some sections to deliverable documents.
- Created Github Repository for Project.
- Added UseCases.
- Helped in designing wireframes for Low Fidelity Diagrams.
- Helped in designing High Fidelity Diagrams.
- Worked with the team to make revisions to the comments on the documents provided by Professor.
- UI designing to pages.
- Record Minutes of Meetings and Focus group.

Mantasha Khan:

- Worked on the high-level use cases and revised based on feedback
- Helped towards making a logo for the site
- Helped in designing high-fidelity mockups and storyboards.
- Worked on home page, checkout, tracking, search page and payment page.
- Did the QA testing using selenium on sign up page.

Kevin Chan:

- Defined major functions we wanted on our website
- Sketched Figma second use case pages for low fidelity as well as high fidelity
- Created the first versions of the HTML webpages for the second-use case
- Double checked webpages for final review

Zhiming Wu:

- I did the competitive landscape part.
- I did the first draft of the user case Mockups and Storyboards.
- I did the first draft of the user case High fidelity Mockups and Storyboards design.
- I coded the first version of the user case websites.

- I participated to revise mockups and websites after feedback.

Alexander Gao:

- Chief Editor: in charge of editing and revising all submitted documents (2.1-2.5)
- Wrote Personas in the Initial Project Proposal (2.1)
- Managed the team's Trello Board
- Created Figma project, organized diagrams, and created Figma Prototypes
- Contributed to brainstorming design and layout ideas at numerous stages of the project
- Created and revised multiple low-fidelity use case diagrams
- Created and revised multiple high-fidelity use case diagrams
- Presented high-fidelity use case prototype during focus group discussion
- Took notes on feedback during focus group
- Wrote Usability Evaluation Section (2.4)
- Standardized website design/layout, added Forgot Username and Forgot Password pages
  - 11 commits, ++5,707, -- 8,552 on Github
- Composed and wrote Final Evaluation Document (2.5)
- Presented Demo of Final Project
- Compiled Final Team Report