SW Engineering CSC648/848 Spring 2021

Our Project Name

Team 05

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Github lead: Marco Marino
Calvin Tan
Huan Nguyen

Milestone 2

3/19/21

History Table

- Version 1 of Milestone 2 - 3/19/21
- Version 2 of Milestone 3 - 3/26/21

Table of Contents

Executive Summary:

The students of San Francisco State University maintain a busy lifestyle as they work hard to complete their degrees and stay safe while doing so. Our service aims to help alleviate the stress of daily dining by getting these students their favorite restaurant food delivered to them. By providing the swift, safe, and secure experience that only our service offers, we can help bring a little comfortable normalcy back to the tables of SFSU students and faculty.

With our application, users will be able to easily order from a host of local restaurants. They will be able to tailor search results with a number of categories such as type of cuisine, price, and distance away. To best ensure safe and convenient delivery we allow the user to decide where and when to meet with the driver. If the user wishes to leave a review or browse reviews, then they will be able to post and read reviews of any particular restaurant. Finally, price savvy users will be able to take advantage of deals and offers only available through our website.

The team is made up of 6 Computer Science seniors at San Francisco State University. We all have familiarity with website building and various modern technologies that will facilitate us in making a responsive experience. We have team members with different strengths such as customer service, user interface design, and backend systems. This diverse team will be able to create an experience tailored to San Francisco State's needs.

List of Main Data Items and Entities:

Approved users
-name
-email
-password
-address
-phone number

Deliverers
-name
-email
-password
-number of orders done

Restaurant owner
-name
-email
-password

Restaurants
- restaurant name
- address
- restaurant logo image
- cuisine type

Menu item
- restaurant it belongs to
- item name
- price
- description
- image buffered
- cuisine type

Admin
-name
-email
-password

Order
- Order number
- Title
- Description
- Restaurant it belongs to
- Deliverer
- User who ordered
- Delivery or pickup
- Total cost
- DateTime
- Status (waiting to be picked up, on the way, delivered)

Reviews

- Star rating (1-5)

Functional Requirements - Prioritized

1. **Priority 1:**
   a. **General User:**
      i. General users shall be able to create an account
      ii. General users shall be able to use search (all features)
   b. **Registered User:**
      i. Registered users shall be able to order food
      ii. Registered users shall be able to choose pickup or delivery
      iii. Registered users shall be able to login
   c. **Restaurant:**
      i. Restaurants shall be able to upload restaurant info with our service
      ii. Restaurants owners shall be able to manage (add or delete) their menu
   d. **Deliverer:**
      i. Shall be able to view orders available to be picked up and delivered
      ii. Shall see order details of order they are delivering
      iii. Shall have access to an SFSU map
      iv. Shall see map with pin on restaurant address
   e. **Admin:**
      i. Admins shall have an easy to access list of the restaurants that are applying to join the service.
      ii. Admins shall be required to approve restaurant registrations before they go live.
      iii. to view a list of restaurants that have applied to join the service.

2. **Priority 2:**
   a. **General User:**
   b. **Registered User:**
      i. Registered users shall be able to leave reviews on restaurants
   c. **Restaurant:**
      i. Restaurants shall be able to access their orders
      ii. Restaurants shall be able to check their store's performance
      iii. Restaurants shall be able to update their menu
   d. **Admin:**

3. **Priority 3:**
   a. **General User:**
   b. **Registered User:**
      i. Registered users shall have the ability to save their searches, their delivery time, delivery locations, to pick up or deliver orders.
      ii. Registered users shall be able to see discounted or undiscounted meals
      iii. Registered users shall be able to see their total spendings over a time period (budget feature)
   c. **Restaurant:**
   d. **Admin**

UI Mockup and Storyboard

Created Using Figma:

https://www.figma.com/file/zcSnuxaRagaZrSVq7tQlia/CSC648-Milestone2-Mockup-Rework?node-id=27%3A850

The screenshot below is our Home Page.

All ↓ 🔍 Login Register 🛒

Logo

About product

Learn More

Section Title

About section

Title
PARAGRAPH

Title
PARAGRAPH

Title
PARAGRAPH

Title
PARAGRAPH

Title
PARAGRAPH

Title
PARAGRAPH

Section Title

About section

Become a Deliver
For Deliver

Feature 1
Feature 2
Feature 3

Start Now

Become a Partner
For Resturant

Feature 1
Feature 2
Feature 3

Start Now

Register Now
For New Users

Feature 1
Feature 2
Feature 3

Register Now, It's Free

Sign In

Email

Password

Forgot your password?

Sign In

Need an account? Register now

OR

Restaurant Sign In

Deliverer Sign In

Logo **© 2020**

Privacy — Terms

Cusines	**Places to Eat**	**Company**
Chinese	Chinese Restaurants	About us
Italian	Italian Restaurants	Careers
American	American Restaurants	

This is our Sign In page, where users can log in and start using our services.

All ↓   🔍   Login   Register   🛒

Sign Up

Name

Email

Password

Sign Up

Have an account? Login

OR

Restaurant Sign Up

Deliverer Sign Up

Cusines

Chinese

Italian

American

Places to Eat

Chinese Restaurants

Italian Restaurants

American Restaurants

Company

About us

Careers

If users do not have an account with us yet, they can sign up for an account via this page.

Delieverer Sign In

| Email |

| Password |

Forgot your password?

Sign In

Need an account? *Register now*

OR

New User Sign In

Restaurant Sign In

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Cusines

Chinese

Italian

American

Places to Eat

Chinese Restaurants

Italian Restaurants

American Restaurants

Company

About us

Careers

This is our Sign In page, where our deliverers can log in their accounts and start delivering fantastic dishes to our beloved customers.

All ↓ 🔍 | Login | Register | 🛒

Sign Up

Name

Email

Password

Sign Up

Have an account? Login

OR

Restaurant Sign Up

Deliverer Sign Up

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Cusines

Chinese

Italian

American

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Italian Restaurants

American Restaurants

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About us

Careers

This Sign Up page is for many folks, who would like to be our deliverers. They can sign up for their accounts.

All ↓ | Q | Login | Register | 🛒

Deliverer Name

Number of orders completed

| Customer Reviews | Orders | My Performance |

Completed Orders

Restaurant Name	Restaurant Name	Restaurant Name
Order number	Order number	Order number
Delivered Time	Delivered Time	Delivered Time
Delivered Date	Delivered Date	Delivered Date
Status Fulfilled: Delivered	Status Fulfilled: Delivered	Status Fulfilled: Delivered
View Order	View Order	View Order

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Cusines
Chinese
Italian
American

Places to Eat
Chinese Restaurants
Italian Restaurants
American Restaurants

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About us
Careers

This page is for our deliverers to track their previous orders and their performances.

All ↓ 🔍 | Login | Register | 🛒

Restaurant Name
Order number
Special Instructions
Delivery time
📍 Delivery Address
📍 Restaurant Address

View Order

Restaurant Name
Order number
Special Instructions
Delivery time
📍 Delivery Address
📍 Restaurant Address

View Order

Restaurant Name
Order number
Special Instructions
Delivery time
📍 Delivery Address
📍 Restaurant Address

View Order

Restaurant Name
Order number
Special Instructions
Delivery time
📍 Delivery Address
📍 Restaurant Address

View Order

Restaurant Name
Order number
Special Instructions
Delivery time
📍 Delivery Address
📍 Restaurant Address

View Order

Restaurant Name
Order number
Special Instructions
Delivery time
📍 Delivery Address
📍 Restaurant Address

View Order

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Cusines
Chinese
Italian
American

Places to Eat
Chinese Restaurants
Italian Restaurants
American Restaurants

Company
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This page is also for our deliverers. It shows more details for their current orders. For example, where to pick up orders and where to deliver those orders.

Restaurant name / address

Food name

Order number

Special Instructions

Orderer's information

Delivery time

Status Fulfilled

Delivery Address
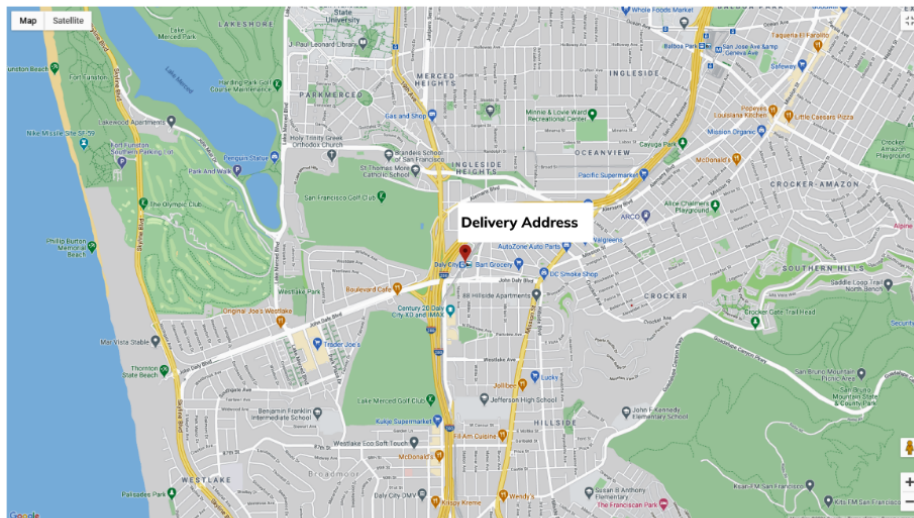
Directions

Cancel Order

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Chinese

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American

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Chinese Restaurants

Italian Restaurants

American Restaurants

Company

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This page shows directions, which would help our deliverers to do their jobs easier.

Resturant Sign In

Email

Password

Forgot your password?

Sign In

Need an account? Register now

OR

New User Sign In

Deliverer Sign In

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Cusines

Chinese

Italian

American

Places to Eat

Chinese Restaurants

Italian Restaurants

American Restaurants

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Restaurant owners can log in via this page.

Logo

Resturant Sign Up

Resturant Name

Address

Email

Password

Upload Logo

Sign Up

OR

New User Sign Up

Deliverer Sign Up

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If some restaurant owners do not have accounts with us yet, they can sign up via this page.
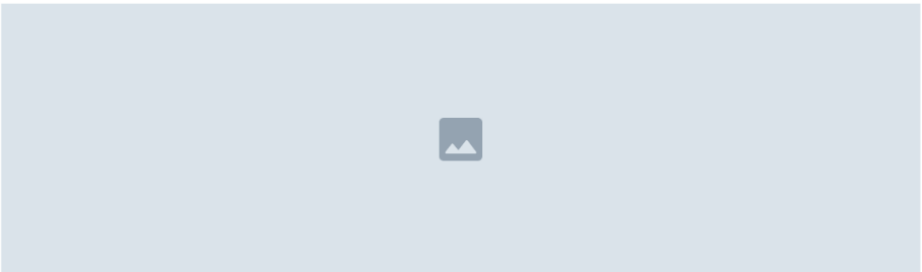
Food name

Order number

Special Instructions

Orderer's information

Delievery time

Status Fulfilled

Price

Delievery Address

Cancel Order

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Chinese

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American

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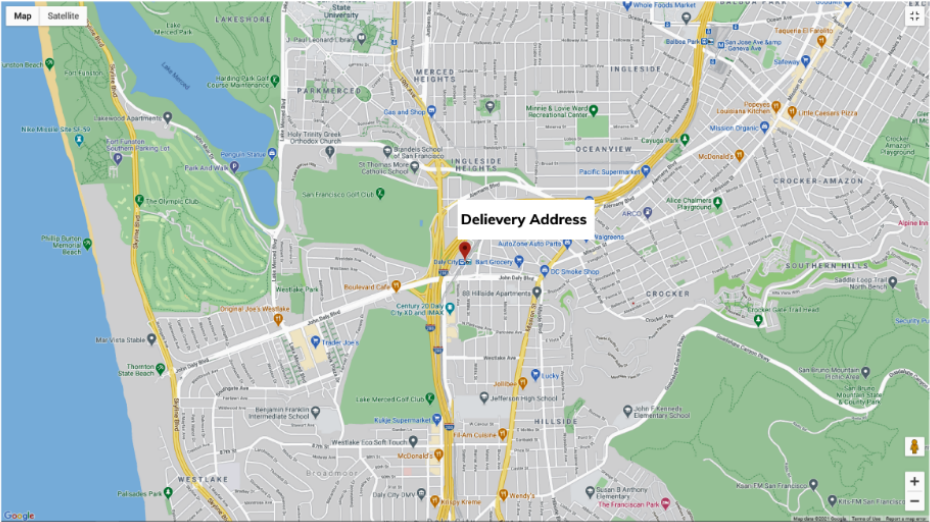
This page shows Restaurant the delivery status of their orders.

Logo

All ↓ | Search 🔍

Login | Register | 🛒

🖼

Food name

Order number

Special Instructions

Delivery time

Price

📍 Delivery Address

View Order

🖼

Food name

Order number

Special Instructions

Pickup time

Price

View Order

🖼

Food name

Order number

Special Instructions

Delivery time

Price

📍 Delivery Address

View Order

🖼

Food name

Order number

Special Instructions

Delivery time

Price

📍 Delivery Address

View Order

🖼

Food name

Order number

Special Instructions

Pickup time

Price

View Order

🖼

Food name

Order number

Special Instructions

Delivery time

Price

📍 Delivery Address

View Order

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American Restaurants

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Restaurants can check details of their orders. It has many details such as price of orders, delivery addresses, prices, etc.

Logo

Food name

Order number

Special Instructions

Orderer's information

Pickup time

Status Fulfilled

Price

Cancel Order

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This page shows restaurants the pick-up status. It just means that restaurants can check whether or not orders are picked up by deliverers.

Logo

🔍   Login   Register   🛒

Food Name

Cusine Type

Pricing

Description

Upload Image

Submit Menu

Add your latest menu

Upload your newest menu to attract new customers.

View Order's Status

Locate all your customer's orders in a click of a button

View All Orders

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This page allows restaurants to upload or update their menus.

High level architecture and Database

Organization summary only:

Approved users
-name
-email
-password
-address
-phone number
- id

Deliverers
-name
-email
-password
-number of orders done
- id

Restaurant owner
-Owner id
-name
-email
-password
-restaurant id/key or null if they havent added a restaurant yet

Restaurants
- restaurant name
- address
- restaurant logo image
- cuisine type
- restaurant id

Menu item
- restaurant it belongs to
- item name
- price
- description
- image buffered
- cuisine type
- menu id

Order
- Order number id
- Title
- Description
- Restaurant it belongs to
- Deliverer id
- User who ordered
- Delivery or pickup
- Total cost
- DateTime
- Status (waiting to be picked up, on the way, delivered)

OrderItems (joining table between order and menu items)
- Order id
- Menu item id
- id

Reviews
- reviewer's user id
- Restaurant id
- Star rating (1-5)
- Order number

- Review id

Admin

-name
-email
-password
- id

We will save images to a folder in the file system of our server. The database entry will hold the filename/path of the images.

We will use SQL and %like for searching. The user will select from a drop down menu if they want to search for menu items, cuisine type or restaurant. We will return to the user the items that come from this search. We will compare the search term to item names, restaurant names or cuisine types of menu items.

The only API we plan to make at the moment is one that allows our front end to retrieve data from the mysql database in a formatted way.

Identify actual key risks for your project at this time:

Risk Type	Possible Risks	Solutions
Skills	Although our team has development experience, there are some skills we'd need to learn. For example, some of us are not familiar with React.	Our team has made a commitment to improve our skills. We have learnt from many online tutorials.

Schedule	We live in various time zones	We agree to meet with each other at least 2 times a week.
Technical	The technical risk was associated with the git push/pull/merge branches and the server deployment.	We now have a Github master, who handles Github conflicts.

Teamwork	Collaborative coding is always a challenge.	We all want to overcome this challenge. Therefore, we always work together whenever we are in zoom together. Also, we always extend our conversation on discord to help each other, which is very productive. Our team leader makes sure that everyone is on the same page and can contribute their best to the team. He always reviews tasks and delegates tasks to teammates. Overall, everyone on our team talks to each other and works

		extremely well together.
Legal/Content	We may use some non-free assets such as images.	We'll check multiple times to ensure that all images are pulled from free-use sites. Also, we'll use appropriate citations.

Project Management:

For managing the team, we started using Github projects. I chose this because it is easy to access from our project Github repo. It allows me as a team lead, to create tasks, and I can assign them to a person using their Github account. People can update their task status as in progress or finished, so I can see the status of things over time. I used this for milestone 2 and split the team into smaller groups working on different parts of the milestone. I plan to use Github projects for future milestones as well.