

Color code for each iteration

- **Iteration 1: Green**
- **Iteration 2: Blue**
- **Iteration 3: Purple**

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Requirements Document

Project Name: DineAlert

Requirements and Specification Document

07/07/2021, version 1

Project Abstract

Our DineAlert web application will provide customers and restaurant owners with two buttons, where they choose either option i.e if they're dining or operating a restaurant. **Customers** will enter their **name**, the **name of the restaurant**, **their email address** and **click on the checkbox (to determine positive)** into a form and will be redirected to a thank you page confirming their submission. We have an admin login page which allows restaurant owners to create an account and login into the system. The credentials can be chosen by each restaurant owner. When creating their accounts, restaurant owners enter the name of their restaurant and choose a unique username and password, which provides them with a list of customers with their contact information, including whether they're positive for COVID-19. If any client is positive, the restaurant will email all the clients (including positive patients), asking them to isolate and get themselves tested for COVID-19.

Customer

Our web application involves two main customers, who will often use our application:

1. Restaurant Owners
2. Diners at the restaurant

Competitive Analysis

The COVID-19 pandemic has digitized the sign-up process for several restaurants, requiring customers to declare their COVID-19 test results before dining in. Therefore, we believe that our main competitors involve restaurant owners, who have created digitally sign-up forms at their physical locations, which allows customers to report their test results. Our project, which is a web application, allows users to report their test results without having to visit the restaurant personally. Compared to our competitors, who require customers to visit a restaurant to sign up, this would save time for customers as well as restaurant owners and reduce the contacts with potential COVID-19 carriers. Furthermore, restaurant owners can easily contact clients directly (using the client information stored in the database) and quickly, sending a mass email rather than individually contacting each customer.

User Stories

Our web application involves the following two actors:

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- Customers
- Restaurant owners, who are provided admin permissions to view customer information and send each customer email.

List of user stories

Story 1: Warning clients of potential COVID-19 breakout

The customer will be able to declare if he is positive for COVID-19 (by clicking on a checkbox) and mention the specific restaurant he or she visited, including the hour they visited the restaurant. Based on the specific restaurant chosen from the list, that restaurant will email all the other customers (including the positive patient as well), instructing them to get tested and self-isolate for a stipulated time.

Story 2: Admin Login

Each restaurant owner will be able to login into the system, and view a list of customers, who are positive. This is not accessible to other customers, who visited the restaurant.

Story 3: Adding a Dining

- Each customer would be provided a form

User Interface Requirements

Initially, the user (customer/restaurant owner) will be provided with two buttons, depending if they're dining or running a restaurant.

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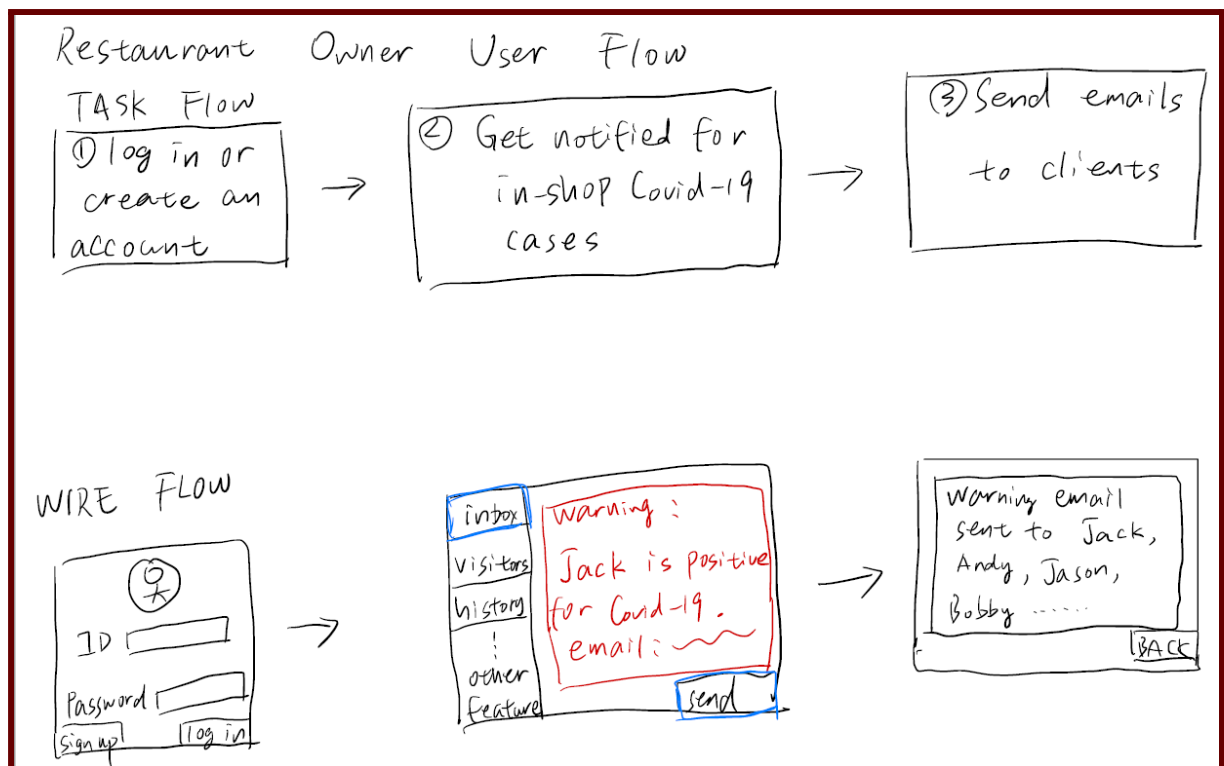
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- Sketches of interfaces

- Restaurant owner interface



- User Interface

Restaurant Clients Flow

