**Clear Creek Catering**

Team Members

Shiva Kumar Amanchi (Leader)

Anusha Bandari

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Client

John Marriott

Northwest Missouri State University

**1.Introduction –**  Kavya Jupally

As we have become familiar with online ordering which are important for business in expansion. As we have taken-up the challenge to help John (Owner) in order to increase the sales of his business and to gain profits. Customer endorsements plays a major role in marketing and give a great return on marketing investment

* 1. **Purpose and scope**

**Purpose**:

Customers like the efficiency of the online food ordering method. It addresses the limitations of the existing queuing strategy. This strategy helps the customers to reduce the waiting time. As a result, this helps the customers to serve in first-come-first serve to avoid miscommunication between them. It improves the communication platform. The user's information is recorded. The online food ordering system creates a menu online, and clients make orders with a single click. With an online food menu, you can also quickly manage orders, keep a track on the database, and improves the food service. The user may choose the desired food items from the presented menu using the website. The user orders the food items. The payment can be made using Credit Card / Debit Card / Cash. The user’s details are maintained confidential as each user has a separate account. Therefore, it provides a more secured ordering service.

**Scope**:

This system allows the customers to maintain their cart for add or remove the product over the internet.

* 1. **Overview, motivations, and impact on the organization**

**Overview**:

In the existing system people must go the truck to buy food which consumes a lot of time while in this system people can order food will save their valuable time.

**Motivations**:

The motivation for designing this application is to help the small-scale business and I personally do not like waiting for long. Moreover, I value recent learning about the Java and HTML Programming languages as well as seeing how powerful and dynamic they are when it comes to web designing and applications. The languages used to build this application are Figma, React, CSS and HTML at client facing whereas Spring Boot and Java at the back end because I found them to be extremely useful while working on the technologies.

**Impact on the Organization:**

1. It is a fact, if your customers like your service, they will come back and recommend you to their world. They will become your best advertisers. So, you need to commit to a service that keeps them coming back.

2. Remember, this time they will look at your online menu more carefully and select items after reading descriptions from the menu. Your customers can order their favourite food by clicking on the screen a few times and they do it from the comfort of their homes.

3. During the rush hour, they can place the order online and pick up their food from the food truck at a set time. In this way, they don’t wait in long lines.

4. When you have an online ordering system for your food truck, you amplify your web presence because you can receive orders from your website directly to the kitchen. With the help of a website (that provides value to your customers) your food truck can get some serious visibility boost in the ‘web locality’.

5. When customers order online, there are fewer distractions. They don’t have to decide quickly on the items as there is no-one waiting to take the order.

* 1. **Definitions**

1. **HTML:**

Hypertext Markup Language is the most basic building block of the Web. It defines the

meaning and structure of web content.

1. **CSS:**  
   (Cascading Style Sheets) are two of the core technologies for building Web pages. HTML provides the structure of the page, CSS the (visual and aural) layout, for a variety of devices.
2. **JavaScript:**  
   JavaScript (JS) is a scripting language, primarily used on the Web.
3. **ReactJS:**  
   React is a declarative, efficient, and flexible JavaScript library for building user interfaces.
4. **Spring-Boot:**  
   Spring Boot is an open-source Java-based framework used to create a micro-Service.
5. **Firebase**:  
   Firebase is a product of Google which helps developers to build, manage, and grow their apps easily.
6. **Figma:**

Figma is a powerful design tool that helps you to create anything: websites, applications, logos, much more.

* 1. **Project websites and repository**

Project website

frontend: <http://159.223.100.199/Customer/>

backend: <http://159.223.100.199:8083/>

repository

https://github.com/shivaamanchi/Clear-Creek-Catering

* 1. **Future plans**

Enhance User Interface by adding more user interactive features. Provide Deals and promotional Offer details to home page. Provide recipes of the Week/Day to Home Page.

• Payment Options: Add different payment options such as PayPal, Cash, Gift Cards etc. Allow to save payment details for future use.

• Allow to process an order as a Guest.

• Delivery Options: Add delivery option.

• Order Process Estimate: Provide customer a visual graphical order status bar.

• Order Status: Show only Active orders to Restaurant Employees.

• Order Ready notification: Send an Order Ready notification to the customer.

• Food Truck Locator: Allow to find and choose a nearby Food Truck.

• Email notifications

• Payments like e-wallet bank transfer

• Every time we buy food, points are added.

• And also gift cards

• We can include calories

1. **Project Management**  -Nithya vadayala

**2.1 Team Organization**

Using GitHub Link: <https://github.com/users/jupallykavya76/projects/2/views/1>

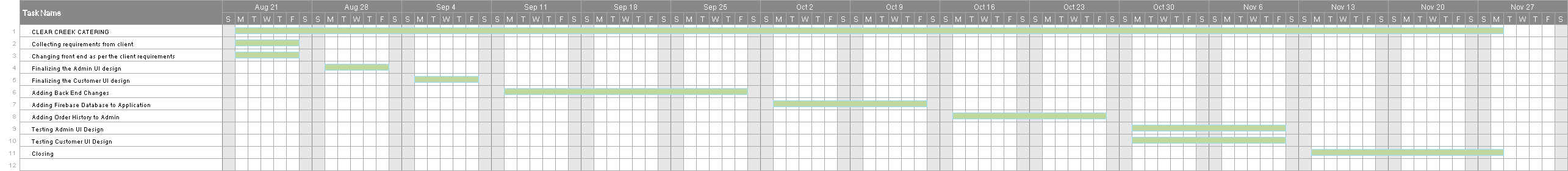
**2.2 Software and Hardware Requirements**

1. Software Requirements:
2. Git Version Control
3. HTML
4. CSS
5. Bootstrap
6. Node JS
7. Spring Boot
8. Firebase
9. Visual Paradigm
10. Wrike (Gantt Chart)
11. Hardware Requirements

Laptop with a good internet connection for a hardware or software application to run

smoothly and efficiently.

**2.3 Gantt Chart**



**3 REQUIREMENT SPECIFICATION –** Sai kiran, Anusha

3.1 Stakeholders of the System

* John Marriott Jr

3.2 Graphical UML Use Case Diagram

Diagram

Description automatically generated

3.3 Functional Requirements

* Create an account
* Managing account
* Login
* Navigate to menu (Today’s Special/Everyday Menu)
* Select an item
* Add an item to their current order
* Review their current order
* Modifying current order
* Modes of payment (Credit Card/Debit Card/Cash)
* Place an Order
* Order Status

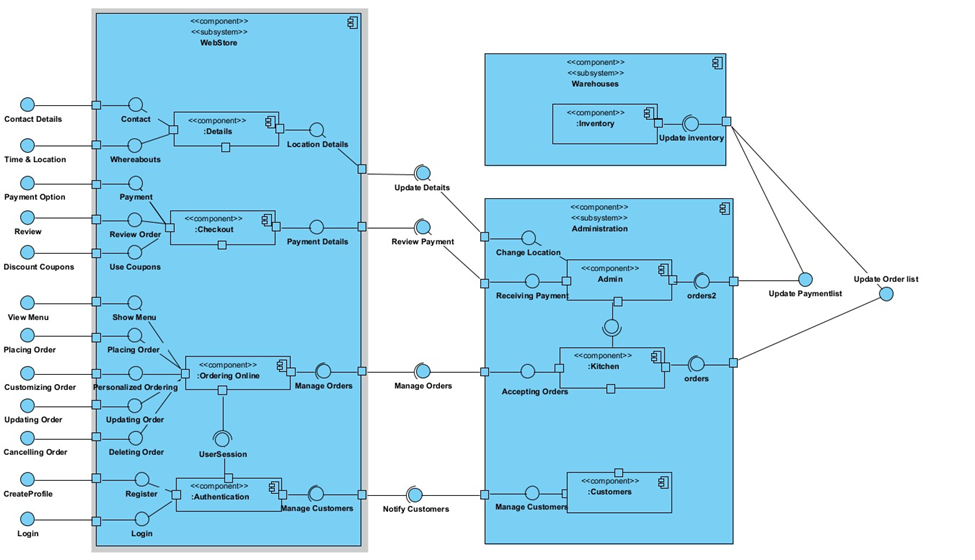
3.4 Non-Functional Requirements

* Truck Location and Timings
* Customer Privacy details
* Availability of Food Items
* Modifying Ingredients
* Logout

**4 ARCHITECTURE -** Shiva Amanchi

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4.1 Graphical UML Components Diagrams



**5 TECHNOLOGY USED -**  **Srikanth Reddy Bhumpalli, Shiva Amanchi**

**5.1 Front End**

1. JavaScript
2. Git Version Control
3. Html: Considering the required amount of time, HTML was chosen for form validation. Regarding the view component, the entire system was created in accordance with bootstrap, which follows html. When errors appear on the UI, most of the code is available for HTML.
4. CSS: To design the system, Cascading Style Sheets were used to provide  distinct designs in various colors.
5. For creating responsive, mobile-first projects on the web, Bootstrap is the most widely used HTML, CSS, and JS framework. Front-end web development is facilitated and sped up using Bootstrap.To make the system look more up to date and responsive, Bootstrap's designs were applied throughout.
6. jQuery: A JavaScript library with many features, jQuery is quick and compact. With an intuitive API that functions across a wide range of browsers, it greatly simplifies tasks like HTML document navigation and manipulation, event handling, animation, and Ajax. Millions of people now write JavaScript differently thanks to jQuery's adaptability and flexibility.

**5.2 Back End (Spring boot)**

1. Spring Boot is an open-source Java-based framework used to create a micro-Service.
2. It is used to build stand-alone and production-ready spring applications.
3. It provides Java developers with a platform to get started with an auto configurable production-grade Spring application.
4. It provides a flexible way to configure Java Beans, XML configurations, and Database transactions.
5. Helps create Spring Application through three core capabilities:

@Configuration

@componentScan

@EnableAutoConfiguration

1. Features
2. Monitoring
3. Metrics

**5.3 Database Fire Base:**

1. Firebase is a product of Google which helps developers to build, manage, and grow their apps easily.
2. Realtime Database lets you build rich, collaborative applications by allowing secure access to the database directly from client-side code.
3. Data is persisted locally, and even while offline, real-time events continue to fire, giving the end-user a responsive experience

Features

Realtime Database: The Firebase Realtime Database is a NoSQL database that runs in the cloud and maintains data at a blistering millisecond pace. It can be compared to a large JSON file in the simplest terms.

**Authentication:** To allow users to access your app, the Firebase Authentication service offers

simple-to-use UI frameworks and SDKs. The amount of labor and time needed to create and

maintain the user authentication service is decreased. Even complicated manual chores like

merging accounts are handled by it.

**6 TESTING -**  **Kundana & Shruth**

**6.1 Features to be Tested**

To make sure that our website is running perfectly we performed Compatibility Testing, Functionality Testing, Usability Testing, Performance Testing and Security Testing.

While performing these we examined numerous features like the performance of Browser compatibility, Operating system compatibility, Mobile Browsing, Printing options, invalid inputs in the fields, navigations, web loading, web stress, connections to DB, security protocols, database security, network assets, business configurations, configuration tests, input validation.

 6.2 Criteria for Passing and Failing Tests

|  |  |  |
| --- | --- | --- |
| **Testing Functionality** | **Criteria for Passing Tests** | **Criteria for Failing Tests** |
| Signup | Fill all fields | Leave few fields empty |
|  | Enter valid phone number | Enter invalid phone number |
|  | Enter valid email id | Enter invalid email id |
| Signin | Enter Valid credentials | Enter invalid credentials |
| Menu | All the items with pictures and prices | Incomplete information for any item in the menu |
| Order Online | Provide details of all the items | Incomplete information for any item in the menu |
|  | Provide proper mailing address | Provide proper mailing address |
|  | Provide correct Card details | Provide incorrect Card details |
| Cart | All the selected items should be added | Any added item missing |
| Contact Us | Provide proper contact details | Any incorrect details |
| Admin Overview | Sales and revenue analysis should be apt | Incorrect analysis |
| Menu | Options to Update picture and price | Insufficient options to update menu |
| Order | All the previous orders should be visible | Any missing previous order |
|  | Review for each order should be visible | Review missing for any order |

**6.3 Test Cases**

We performed testing on

* Menu
* Order Online
* Cart
* Contact Us
* SignIn/SignUp

For Admin

* Admin Overview
* Menu
* Order

We created Test cases in such a way that they can cover all the possible scenarios covering the test case to give positive, negative, Null and invalid results.

**We made sure that all the above testing’s are performed on our Cleer Creek Catering website and it is in the best condition considering all the aspects.**

**7 DELIVERABLES -**  Vamshi Merugu & Sujith Reddy Naidu

7.1 How it works & how to update

How it works: -

1) clone the clear creek catering repo from GitHub.

2 Open the catering file maven as project in integrated development environment (Eclipse). Run the file catering application.java file.

3) Open Customer file in visual studio (IDE). Here open terminal and run the commands

npm install http-server

npm install http-server -g

http-server -O

1. Once we run the commands then the application will start. Now sign in if you have an

account or create one using sign up button.

1. Go to the online order page and order the items. You can customize the order and click the

add to cart button. Now go to cart page, here you can see your ordered items where you can update or delete the items.

1. Click proceed to check out button and now you can see the different types of payment method

like cash on order, debit/credit card. Choose the option and enter the details. Once the payment is made your order will be placed. You can see the summary of the order in My orders page and the truck location on every page of the customer and finally you can view the contact information of clear creek catering by clicking the contact us button.

1. Login using the admin credentials where you will redirect to admin page. Admin can see

the order history, number of the orders placed and summary of the orders for a month in dashboard page. Admin can add the items, customized options, and today’s special in the menu page. Admin can also have access to update the location of the truck.

Features to update: -

1. Email notifications for the customer based on the order.
2. Payments like E-wallet, PayPal, cryptocurrency.
3. Points for every order purchase. Redeem points for future purchases.
4. Include calories for the food.
5. Finally include gift cards.

**7.2 Project Website & Repository**

Project Website:

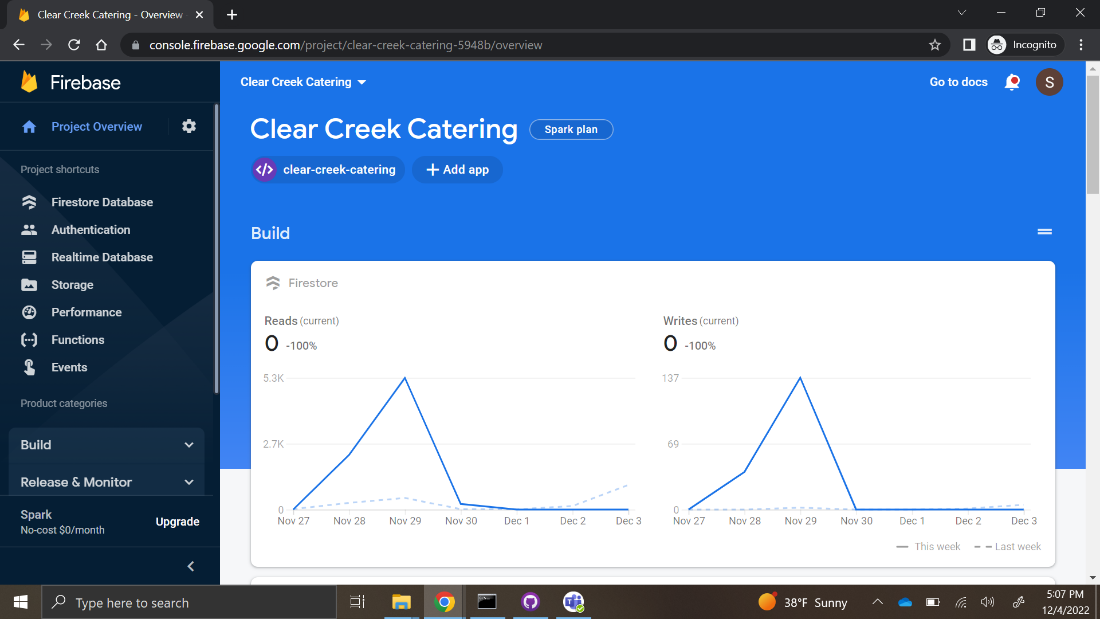
Repository: <https://github.com/shivaamanchi/Clear-Creek-Catering>

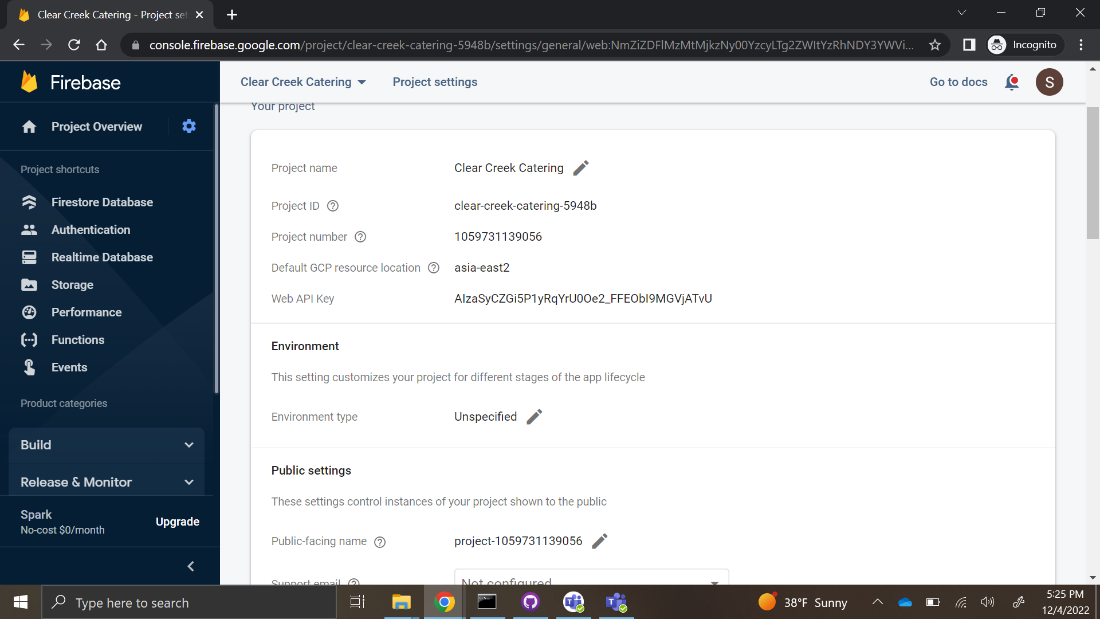
**8. DATA BASE MANAGEMENT-**  Revanth Pagilla

8.1 login, password, database key (i.e., ipa)

Login ID: [shiva.amanchi303@gmail.com](mailto:shiva.amanchi303@gmail.com)

Password: Shiva222@





8.2 Installation, how it works, updates, etc.

Step 1: Create a Firebase project and register your app.

Step 2: Install the SDK and initialize Firebase.

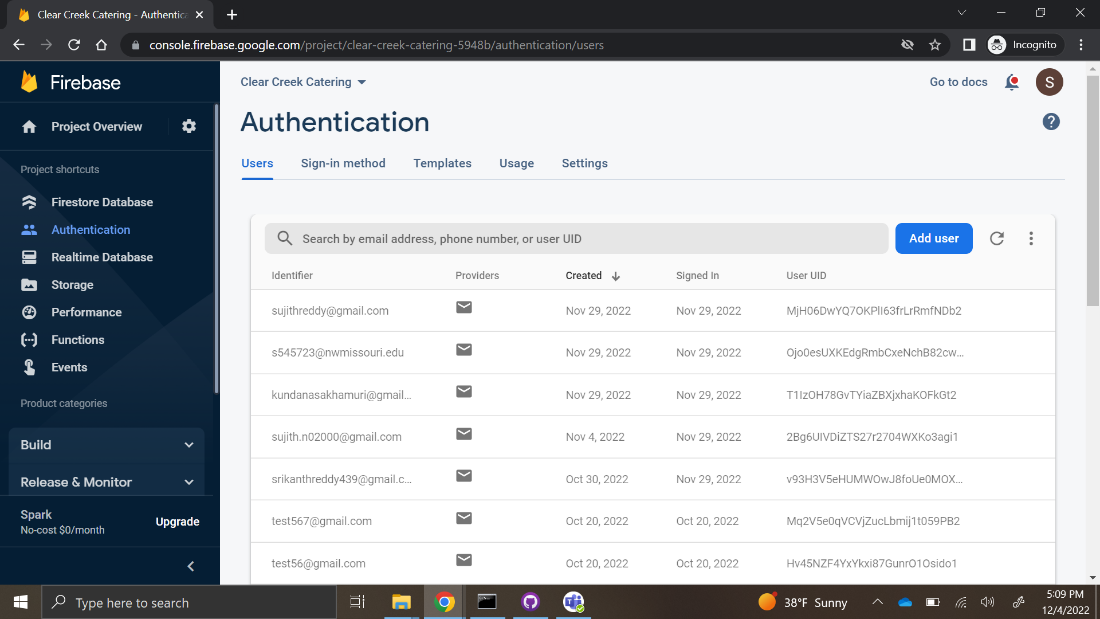
Step 3: Access Firebase in your app

Step 4: Use a module bundler (webpack/Rollup) for size reduction.

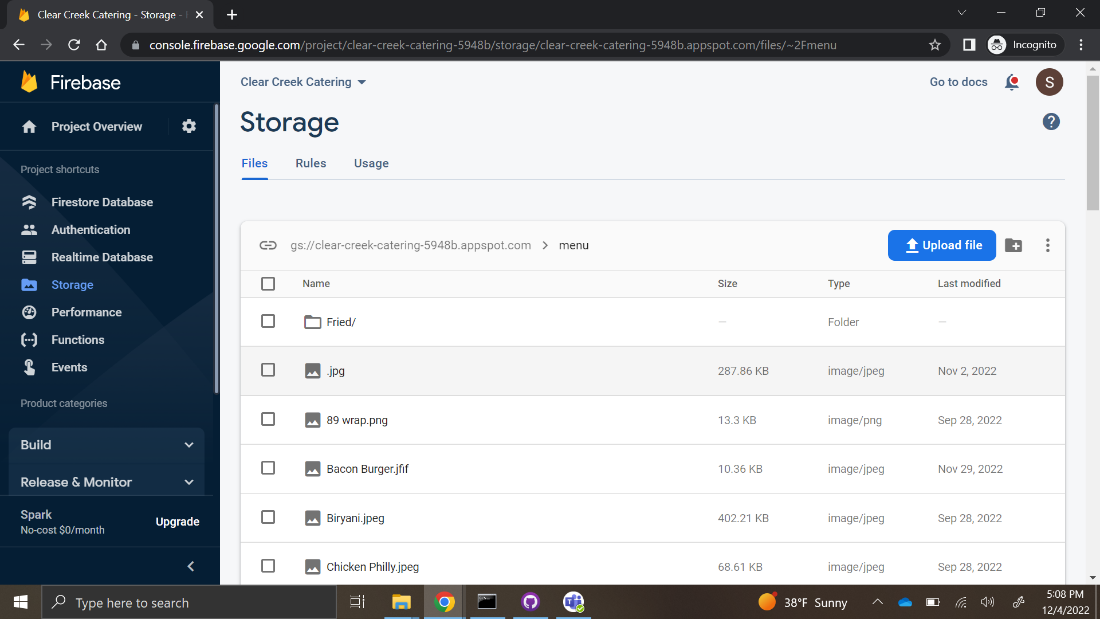
**How it works**: By enabling secure access to the database directly from client-side code, the Firebase Realtime Database enables you to create robust, collaborative apps. Data is locally stored, and real-time events continue to happen even when the user is offline, providing a responsive experience.

8.3 Manual with screen shots

In this we have the user credentials those who have signed in our website.



In this we store the details entered by the admin.



In this we store all the details of the items, customer and admin.

