

**ONLINE FOOD HUB**

**BY**

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This Report Presented in Partial Fulfillment of the Requirements for the  
Degree of Bachelor of Science in Computer Science and Engineering.

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**DAFFODIL INTERNATIONAL UNIVERSITY**

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## APPROVAL

This Project/internship titled “**Online Food Hub**”, submitted by Josinta Jerin, ID No:193-15-2975 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation will be held on 24<sup>th</sup> January 2024.



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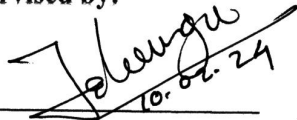
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We hereby declare that this project has been done by us under the supervision of **Mohammad Jahangir Alam, Lecturer (Senior Scale), Department of CSE Daffodil International University**. We also declare that neither this project nor any part of this project has been submitted elsewhere for the award of any degree or diploma.

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## **ABSTRACT**

With a global presence, Online Food Hub is a top online food ordering and delivery web service. Its main purpose is to enable customers to use its website to place orders at neighboring restaurants. Online Food Hub's functional, high-quality, and user-friendly interface has contributed to its instant popularity. Over the years, they have put a lot of effort into enhancing a number of Services to increase online traffic. Customers can use the online food hub website to order their preferred cuisine. The website operates methodically. The ordering process on the Internet food hub is methodical. It first gathers the postal information belonging to the customer. The data about nearby restaurants that provide delivery is then used to filter the information. Apart from the standard restaurant deals. A customer may take advantage of a few bonus deals in addition to the standard restaurant discounts when making purchases through the website's Online food hub. Based on the kinds of cuisine they serve restaurants' menus are further divided into subcategories. After placing an order, customers receive a confirmation message from the operator of the online food hub along with the estimated time of delivery. If there are any problems with the meal delivery, Online Food Hub sends the restaurant the order data along with the customer's contact details. Naturally, Online Food Hub's fleet of couriers carrying homemade food and its restaurant partnerships are the foundation of the company's success.

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# CHAPTER 1

## INTRODUCTION

### 1.1 Introduction

Our idea is an online tool for comparing food costs across Bangladeshi e-commerce websites. Restaurants are known to be crucial for appropriate distribution in our day and age of science. It is impossible to imagine a day in human history when food was not present. There are 57,631 restaurants in Dhaka city as of 2018, while there are 375,252 restaurants registered in Bangladesh as of 2021. Every day, it keeps growing. We have observed that restaurant food suppliers are having issues providing food, such as fraudulence, and are unable to choose the best food for their customers' budgets. Furthermore, not many people are aware of the various internet marketplaces in Bangladesh where food is sold. There is no scam here. Each website is sincere and truthful, and they offer quality services. Other issues that customers may have include receiving a single-channel or dual-channel dish that is either ABS or non-ABS and not receiving the food color of their choice. Customers can access all of the food categories they choose using the websites we provide. Many websites sell food online, but they don't provide the same level of customer service as our site. We are the first to provide this kind of unique service while considering the buyer's concern. Our goal in developing the website is to lessen these issues. Users of our website can choose Bangladesh's best foods at the most affordable prices.

### 1.2 Motivation

In addition to the satisfaction of living outside, owning food can provide you with additional advantages like affordability, and improved business economics that can result in cost savings and simpler upkeep. Reducing time waste is the restaurants' primary system. People buy food instead of going outside or cooking because of this. The primary goal of this initiative is to save people's time. People must travel outside of restaurants to compare food prices and configurations, and they must ask the food seller about these details. Customers may deal with inexperienced or dishonest sellers in this situation. Customers won't receive

accurate information about every dish as a result. In the second scenario, everyone who wishes to learn about food must visit a large number of food-related websites, which is nearly impossible for everyone as not everyone is aware of every food website. Overall, humans require a great deal of the enjoyment of living in nature, owning food has additional advantages like affordability, and improved business economics that can result in cost savings and simpler upkeep. People can save important time by finding solutions to these issues on our website.

People ought not to be tricked: Consumers of handmade food today must deal with deception. In a certain area, some dishonest merchants set up syndicate systems. Because of this, it is unfair that the general public is compelled to spend more money on food than they need. People would be able to learn about the eateries that are open in Bangladesh in this scenario. Because of people's awareness, merchants will not establish any form of the syndicate. Therefore, people who use our website won't encounter any fraud. Consumers can check more readily and purchase: Everyone wants to purchase the finest bike for their money when it comes to eating. The saying "Act by thinking, do not think by doing" is well known. Before implementing or purchasing anything, we should learn as much as possible to ensure that we won't regret it. Everything is quite obvious on our website, where customers can compare the features and costs of two restaurants. People will be able to have the most productive conversation at last. People can therefore check more and more quickly and purchase their food.

### **1.3 Objectives**

People will find it easy to compare meal costs, configurations, restaurants, and other factors on our website. People can't compare different cuisine types in one location When sellers form a syndicate, fraud is a threat to the general public. People will have access to information regarding the state of food costs around the nation. Due to public knowledge, sellers will also be aware of the need to avoid defrauding customers. Not every hue is accessible in every place at all. People across the nation will be able to look for the hue at this moment. The buyer will so receive the bike of his dreams. Single-disk and dual-channel ABS systems are features of these contemporary meal ordering systems.

These foods are purchased by people based on their desires and financial situation. Anyone can look for the meals on our website and find what they want if they can't find what they want to eat in their location. In addition, many wish to purchase food or an earlier version that isn't offered where they live. In this case, he can browse our website to see if this type of food is accessible; the final item is also in Bangladesh.

#### **1.4 Expected Outcomes**

The following are the anticipated outcomes of this project: Customers will be able to quickly search for and locate the foods they anticipate. In a brief period, buyers will be able to compare make, items, configuration, prices, etc. Users won't have any trouble viewing all of the food categories. Clients will be able to ask for their manufactured products' current price list. Every food item that is still available will be offered for purchase by the public throughout Bangladesh. There are situations when food in any location isn't available in the appropriate color. In this case, individuals will be able to discover whether the requested things are offered in Bangladesh. There are certain meals with dual-channel and single-disk ABS systems. These foods are purchased by people based on their desires and financial situation. If someone is unable to get the meal they want in their neighborhood, they can use our website to look up restaurants and find what they want.

Some unscrupulous vendors form a syndicate and raise the local food prices. In this scenario, consumers will have the option to look for and purchase food from another location. Thus, the buyer won't have to deal with the syndicate.

#### **1.5 Project Management and Finance**

Under Transformation, the Project Management will submit reports, preferably situated at one of the regional offices of Online Food Hub abroad. Planning and close collaboration with cross-functional teams will be your responsibility as you oversee the implementation of various initiatives and prioritize and scope business requirements. You will have the chance to collaborate with top-level executives from within the organization to address strategic financial issues.

## 1.6 Report Layout

**Chapter 1:** We talk about how important our project is. Here, we'll go over the project's goal, motivation for building it, introduction, and anticipated results.

**Chapter 2:** We have discussed the project's background, relevant studies, the problem's breadth, and the issues that purchasers confront, as well as the primary obstacles that must be overcome to finish the project.

**Chapter 3:** Here, we've outlined the basic specifications needed to construct this project. First, we have examined the necessary specifications, categorized the functional and non-functional needs, and examined the hardware, software, system, user, and communication interfaces as well as the design language and framework.

**Chapter 4:** We have discussed how to describe the admin and user interfaces. There are product sections, homepages, and product details in the user interface. There has been an explanation of the two eateries' similarities. A data input form and login interface are located in the admin panel.

**Chapter 5:** We have discussed the integration, testing, and dataset implementation.

We have discussed the conclusion section of Chapter 6, the project's constraints, and the future scope of our work for customers.

**Chapter 6:** describes the outcome analysis and how it compares to previous research.

**Chapter 7:** provides a conclusion to the current study and a path for future investigation.

## **CHAPTER 2**

### **BACKGROUND**

#### **2.1 Preliminaries**

Some websites, such as Pasta Center, Pizza Bug, and Sultan Dine, provide food for sale online. Their website only offers food for sale. Unlike our website, buyers are unable to compare food varieties and pricing. The buyer will find it easy to compare products and prices on our website, which is essential for a buyer. However, we are aware that a product's price increases with the number of merchants it passes through before reaching the customer. The product will cost less if we can purchase it straight from the vendor. In a similar vein, the restaurant price of the food will be higher if we get it from a local dealer. The bike will cost less if we get the food straight from a dealer or brand store that is featured on our website. The majority of people don't use this tactic. After considering ways to close the gap between resellers and entry-level clients, we ultimately developed the concept of an online food hub. It focuses on offering an internet platform that makes it possible for our clients to speak with dealers in cities directly at the grassroots level, Restaurants are becoming increasingly important in this day and age of modern science. Will supply food. It will answer their questions, familiarize them with the current costs of comparable foods in other locations, and shortly Furthermore, consumers pay little attention to the costs or advantages of branded stores that businesses own. This kind of deal or discount will be available to the public straight from the retailer or name-brand store. Customers will find our website to be as convenient as possible. Scams should be recognized and avoided by the public.

#### **2.2 Related Works**

In our country, there are a lot of food-related internet retailers. They market food under their brand. A few internet vendors offer a variety of restaurant options. These retail locations offer a variety of food items, including food, and similar foods that are priced differently on different platforms. Since there are so many online food sale sites that

provide lower costs than other platforms, it is nearly impossible for everyone to be aware of them. Numerous categories in it are outside the scope of the usage of five and common comprehension. To be honest, these websites are not as easy to use as they could be to compare food specifications. Customers require an entirely user-friendly platform, simple to use, and offers them a quick way to purchase excess. in Bangladesh and sell their desires for less money. No website offers the same facilities as ours. Each selling center presents its policies, procedures, costs, and so on, failing to provide the greatest choice or service to the customer. Thus, with the "Online Food Hub" idea, we are guaranteeing the lowest costs and the greatest service.

### **2.3 Scope of the problem**

Bangladesh is a nation in development. Most folks can't do any research at all. Within their budget, they are unable to locate the best food. They typically visit the market to find a few restaurants that are close to them. Sellers assist them in learning about the food's requirements. Here, some dishonest vendors mislead customers to sell their food. It is unfair that even the dealers mark up the price of the bike. However, the buyer would have to go a considerable distance to view contemporary items or recently arrived food, which is a waste of both time and money. People can simply purchase food at home if we establish an e-commerce corporation that serves the entire nation. We might conclude by saying that there are benefits and drawbacks to the new e-commerce organization. These days, e-commerce is the lifeblood of every developed nation. Thus, we ought to set aside the challenges and consider the nation's progress while creating such a platform.

### **2.4 Comparative Analysis**

Bangladesh's current online retailer sets its prices for its products. Customers should therefore check the pricing of food on each of the websites that are now in existence. Customers may readily find out the price of food on all active websites at once from our website. Customers thus avoid wasting time and have the opportunity to save money by comparing prices from the figure. Users can quickly view all pricing on our website.

## **2.5 Main challenges**

Making the website usable for our clients is the largest problem. Getting information from clients and reaching them at the ground level is a difficult task. It's difficult to make the website more user-friendly. Buyers can't compare more than two foods at once. Thus, we'll develop this functionality as well. It is impossible to look for food on a tight budget. We are going to implement a feature that will allow customers to search for dishes based on their budget and view all restaurants that fall within that budget in the future. They will then find it simple to compare foods. we are going to implement a feature that will allow all branded future food images and features to be upgraded. The buyer will consequently be able to view upcoming foods. Customers will be able to pre-order future menu items for any type of restaurant in the future. In the future, every item will be added to our website.



## **CHAPTER 3**

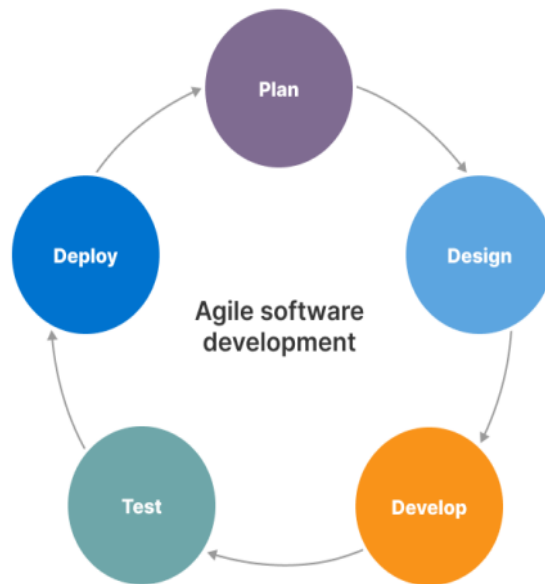
### **REQUIREMENT SPECIFICATION**

#### **3.1 Business Process Modeling**

The action of expressing business process management procedures so that the current business processes may be evaluated, enhanced, and automated is known as business process modeling, or BPM, in business process management and systems engineering. BPM is usually carried out by subject matter experts who have specific knowledge of the processes being modeled, business analysts who offer competence in the modeling discipline, or, more frequently, by a team consisting of both. Alternatively, process mining techniques can be used to directly derive the process model from the logs of occurrences. Increasing process speed decreasing cycle time, improving quality, or cutting expenses like labor, materials, scrap, or capital expenditures are frequently the goals of the firm. In reality, the necessity to record requirements for an IT project frequently drives management decisions to allocate resources to business process modeling.

#### **3.2 Requirement Collection and Analysis**

When implementing our website, we adhered to the agile technique. Agile's significance can be sudden or adaptable. The term "agile process model" describes a spreadsheet growth strategy built on recurring events. Agile plans divide work into smaller subtasks that don't directly include long-term planning. The project scope and requirements are established at the outset of the procedure. Plans are early on regarding the number of redundancies, the event, and the extent of each redundancy. In the Agile process model, each redundancy is intentional and represents a short "frame" that lasts one to four weeks on average. By breaking the project down into smaller components, the overall project childbirth opportunity requirements are defeated and the project risk is understated. Before an active brand is shown to the consumer, each iteration involves a crew that goes through the entire biological clock of the operating system, including preparation, requirements reasoning, design, systematizing, and experimentation.



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Figure 3.1: Agile methodology

### 3.3 Use Case Modeling and Description

- Gather information from already-running e-commerce platforms.
- Display a price list according to the specific foods.
- Give a working website link.
- Examine and contrast different foods.
- Simple to verify the cost.
- Has access to particular e-commerce websites, such as an online food hub.

### **3.3 Overall Description**

Describe this site's capabilities as well as the advantages and disadvantages that the initiative's specific assumptions would also highlight in this part.

#### **3.3.1 System Interface**

The user and the server are physically connected utilizing the system interface to receive input from the user and to provide an output based on that input. The customer can visit that website, search for products, and compare which company offers the best deal. Additionally, users can compare food costs and features. The database can be customized and foods added by the admin.

#### **3.3.2 User Interface**

The essential stuff that has drawn our attention is the many food sale associations and their food directory. Applying makeup is just as organic as incorporating it into the design. Visitors can use the site link to visit our website. The admin login was constructed naturally. When users come to our website, they follow three links, click on the "produce alternative" link to view the outcome, and then definitely check.

#### **3.3.3 Hardware interface**

We are requesting nets for our project. Therefore, for this arrangement, skilled is not an exceptional instrument connect kind that is needed. We'll add it later if we decide to increase any portion.

#### **3.3.4 Communication Interface**

The standard practice for transferring documents between a client and a network PC is Transmission Control Protocol, also known as Internet Protocol (TCP/IP), which can also be used to write between the client and the computer

### **3.3.5 Memory Constraints**

The process of gathering news from throughout the world, keeping it, and then, often many years later, recalling it is called memory. There are no rigorous memory requirements in our curriculum.

### **3.4. Analysis and Specification of Requirements**

The fundamental rule governing its production process eliminates the need for and accuracy of the perfect compute object. Although users may agree that they comprehend what the amount bear accomplishes and how to disturb it with the output, they will still require register skills and partnerships that define fragmented, perplexing, and playing needs at this point. Different food websites had intentional forms and were eerily haunted. Powers for items and supplies are still inspected and analyses are looked at at this stage.

#### **3.4.1 Hardware Requirements**

To use this website or communicate with the Internet, users must have at least some computer hardware. We are presently addressing the necessity of this webpage.

#### **3.4.2 Software Requirement**

The enlarged website receives programs in many formats. The following lists the minimal software requirements:

### **3.5 Design Requirement**

First, the drawings highlight the overall design and actions containing the computerized data in the system plan, prioritize arrangement, calculating designs, and different documents.

A variety of configurations, including Data Flow Diagrams (DFD), Calculation Flowcharts, Use Cases, and extra items, can be assembled to complete all acts. We require these items to support the design because there aren't many simple designs.

1. HTML, or Hypertext Markup Language
2. The CSS (Cascading Style Sheet)
3. The Language of JavaScript
4. JSX
5. MongoDB
6. Framework for React JS

### **3.6 Data Flow Diagram**

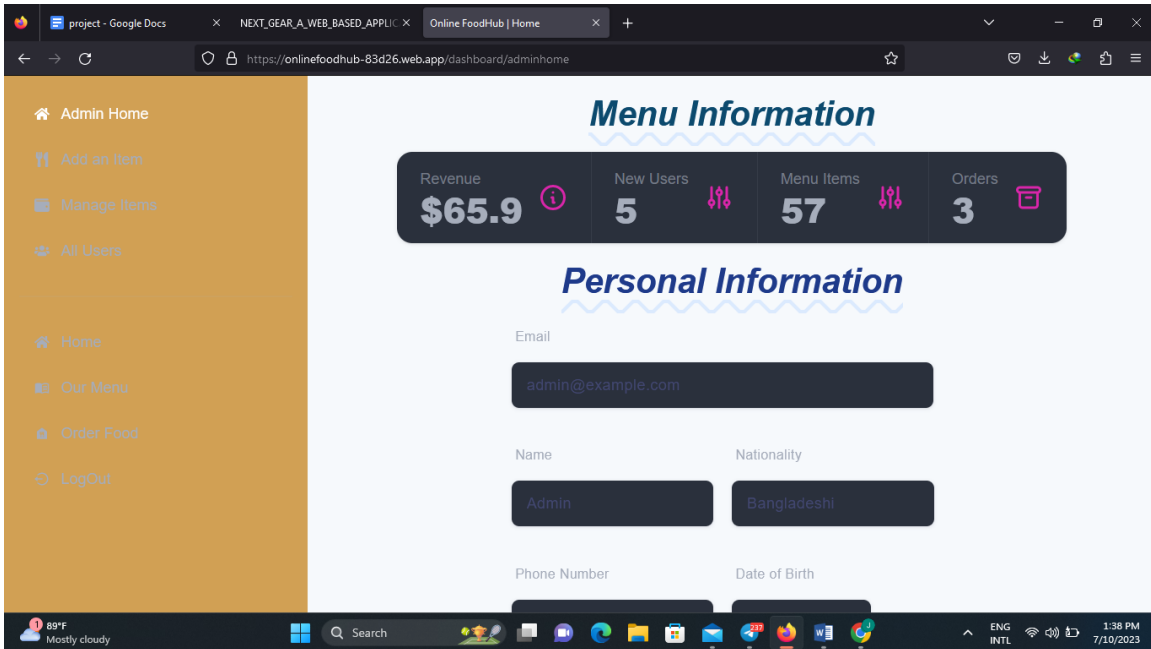
A data flow diagram is a concise road map that we utilized during the design phase to visually depict the flow of data across the current system. The data flow diagram makes it easier for us and the user to communicate. DFD illustrates the types of data that will enter and exit the system, as well as where the data will be kept and originate from. It doesn't display information about how long processes will take to complete or if they will run concurrently or sequentially.

#### **3.6.1 Data Flow Diagram for the User**

The users make use of this data flow diagram. When a person submits a query through our website, data is processed and displayed.

#### **3.6.2 Data Flow Diagram for the Admin**

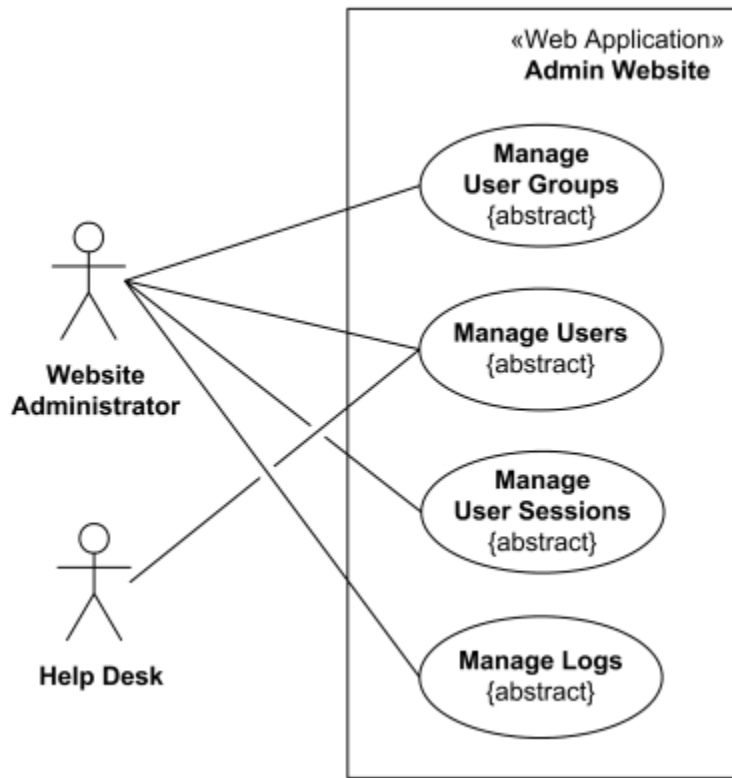
Once the admin DFD diagram in Figure 3.2 is completed, the admin can visit the website and obtain data. Data entered by the administrator will be processed and then stored in the database.



**Figure 3.2: Admin**

### 3.7 Admin Case Diagram

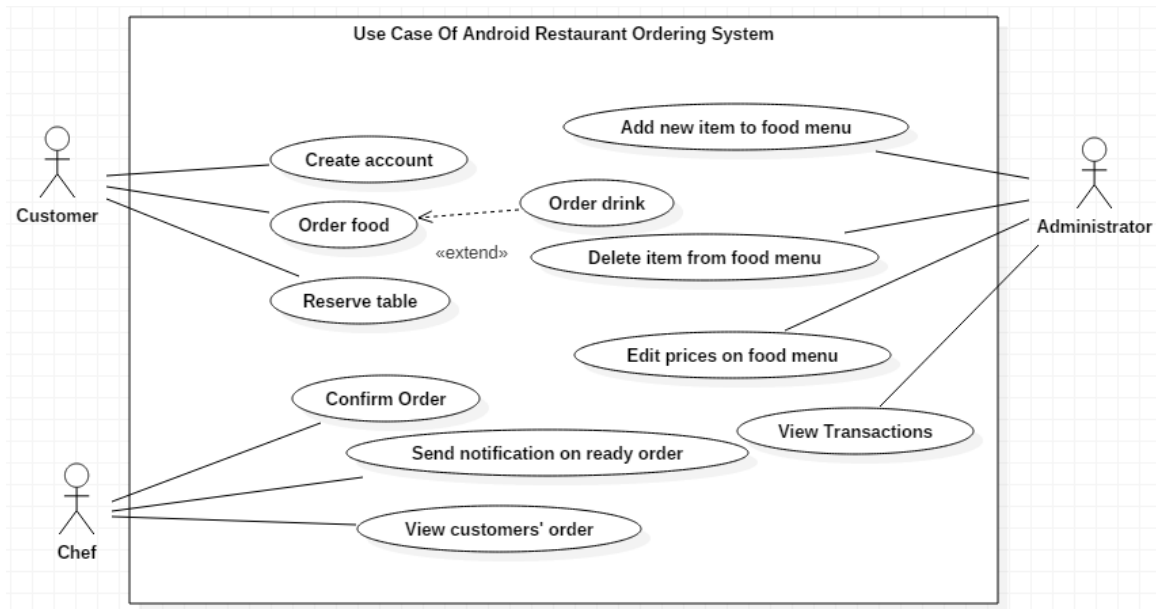
All of an administrator's capabilities are represented in the admin case diagram. As seen in Figure 3.3, the admin can log in here to manage orders, check the dashboard, handle admin, and other functions.



**Figure 3.3: Admin case diagram**

### 3.8 User Case Diagram

The user functionalities are presented in the user case diagram in Figure 3.4. As a user, you can log in, view locations, add bookings, and more.

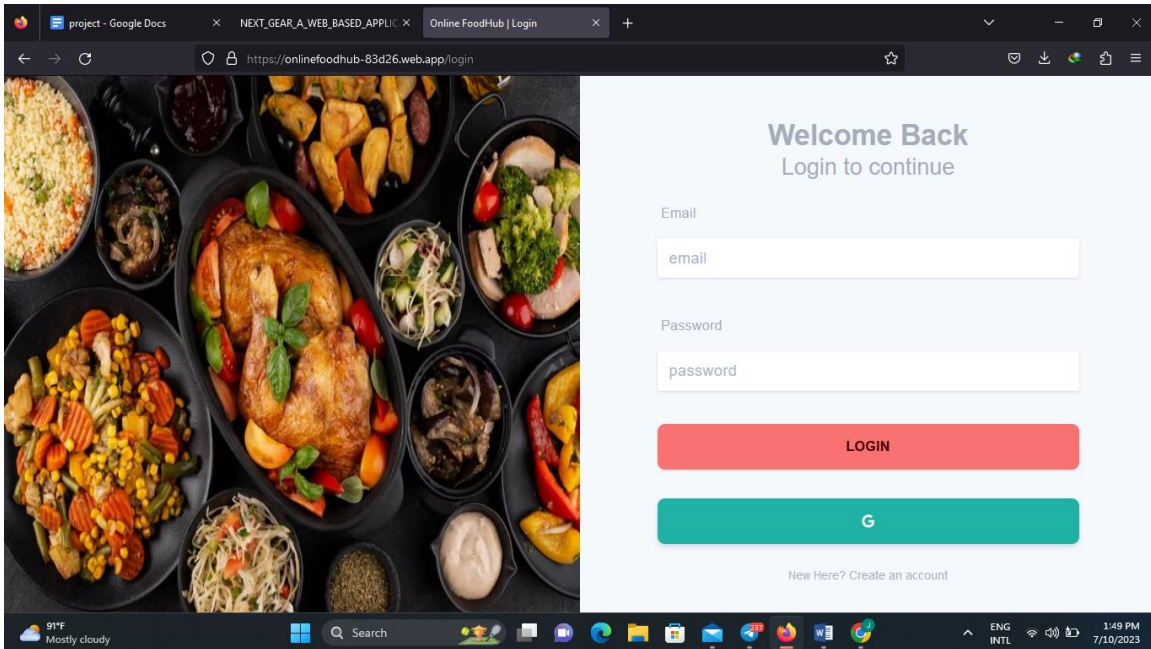


**Figure 3.4: User case diagram**

### 3.9 Login Activity Diagram

The Online News Portal System's login activity diagram, which displays the flows of login activity, allows the admin to log in with a username, email address, and password. Users can control all activities related to ads, types, contents, news, and most recent postings after logging in. The figure below illustrates how the login page functions in the news portal system.





**Figure 3.5: Login Diagram**

## CHAPTER 4

### DESIGN AND SPECIFICATION

#### 4.1: Home Page

The homepage is the primary page of a website and is frequently the first thing a user sees upon accessing the site. Usually, it gives a summary of the goals and content of the website. Additionally, the homepage could include noteworthy details like forthcoming events and unique items. The goal and target audience of a website can have a significant impact on the style and organization of the homepage.

#### 4.2 Front-End Design

The visual portion of the project that is visible to users is referred to as the front-end design. The usability and engagement of a website are primarily determined by its front-end design. Many languages are used to generate front-end designs. HTML, CSS, and so on are used for the front end of web development. "Read and Recite" is an effort to use front-end design to visually represent the project. I used HTML, CSS, JavaScript, and Bootstrap for the front-end design because it's an online project.

#### **HTML: Hyper Text Markup Language**

The acronym for Hyper Text Markup Language is HTML. The markup language used by industry professionals to create web pages is called HTML. HTML describes the structure of a web page. HTML is composed of multiple elements. Browsers are instructed by HTML elements on copyright Daffodil International University 13 Knowing how to present content makes it easier to carry out sophisticated online business. It explains the structure and substance of the text or data. For ordinary Internet use, it is a format that is both computer- and human-friendly [7].

## **CSS: Cascading Style Sheet**

The language known as CSS is used to specify how web pages look, including their fonts, colors, and layouts. This makes it possible to modify the presentation for a variety of devices, including printers, large displays, and small screens. You can use CSS with any XML-based markup language; it is not part of HTML. It is simpler to maintain track of destinations, move templates between websites, and configure pages in various scenarios when HTML and CSS are separated. This is referred to as the separation of structure (or content) from representation [8].

## **JavaScript**

Web pages can be made interactive by using JavaScript, a text-based computer language that can be used on both the client and server sides. Websites are given structure and design by HTML and CSS, but JavaScript adds engaging interactive elements. In summary, a web page can become more interactive by utilizing JavaScript, which enhances the user experience. Websites can work thanks to JavaScript [12]. The bootstrap An HTML, CSS, and JS framework called Bootstrap aims to make creating educational websites simpler. Adding Bootstrap's color, size, font, and layout options to a web project is the primary reason to use it. Therefore, the primary factor to take into account is whether or not the developers in charge find these options acceptable. When used in a project, bootstrap provides basic style definitions for every HTML element [11].

## **4.3 Back-End Design**

The unseen part of the project that the user cannot view is referred to as back-end design. It focuses on the server-side components and features of a website or application. It includes server-side logic, database construction and upkeep, and APIs for data processing, transfer, and storage. The primary purpose of all front-end operations is to support the back-end design. An undertaking's backbone is its back-end design. Users are not required to acquire knowledge of back-end design, nevertheless. I used the SQLite database for the

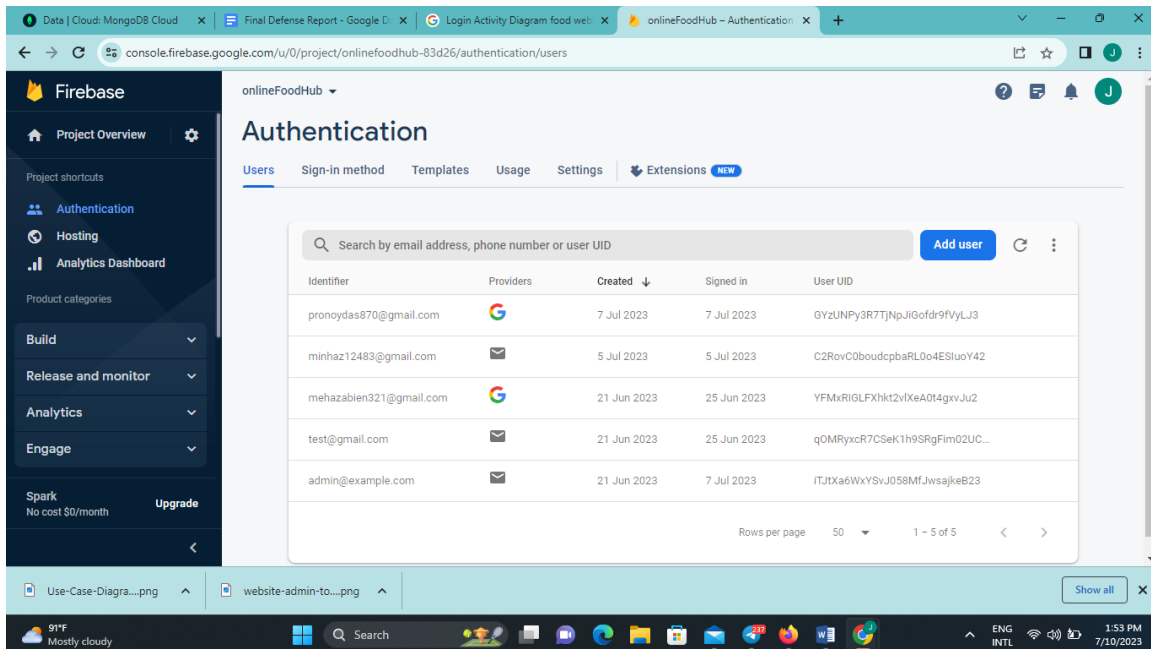
back-end, the Django framework, and the Python language in "Read and Recite." The Django framework includes a SQLite database.

## **Python**

Python is a general-purpose, high-level programming language. Its design philosophy applies the off-side rule with a large amount of indentation, emphasizing code readability. Python makes use of dynamic typing and garbage collection. It works with many different programming paradigms, such as object-oriented, functional, and structured programming (especially procedural). Its extensive standard library has earned it the moniker "batteries included" language. A fairly readable programming language is Python. It uses English phrases where other languages use punctuation, and its formatting is clean. Blocks are not separated by curly brackets, and semicolons are sometimes but not always allowed after statements. Compared to other languages, it has fewer exceptional circumstances and syntactic exceptions [14]. Django is a web framework built on Python that employs the model-template-views (MTV) architectural paradigm. The Django Software Foundation is a self-governing, 501(c)(3) non-profit organization that was established in the US. The primary goal of Django is to simplify the development of intricate, database-driven websites [15].

## **Database**

To electronically store data in a computer system, I used a database. where information is easily controlled, updated, edited, and accessible, in this project, the database was SQLite. because it is an open-source, installation- and configuration-free in-memory library [9]. The figure below shows the 14 tables I have in this database.



**Figure 4.1: Authentication**

## 4.4 Interaction Design and User Experience

UX User experience (UX) and interaction design are crucial factors for the "Read and Recite" website since they guarantee a seamless and pleasurable browsing and interaction experience for users. Interaction design aims to facilitate meaningful human connections with websites. It calls for creating interactive elements that let users research poet biographies, record and submit recitations, and easily peruse the poetry library. It also involves designing interactive elements, user-friendly user interfaces, and simple navigation. A seamless flow of user interactions is ensured and overall usability is improved through the strategic arrangement of buttons, forms, and interactive components.

## 4.5 Implementation Requirement

Visual Studio was used by me to construct this project. The majority of the backend code needed to be written in Python, and the Django framework allowed me to finish the project. Software needs for the undertaking:

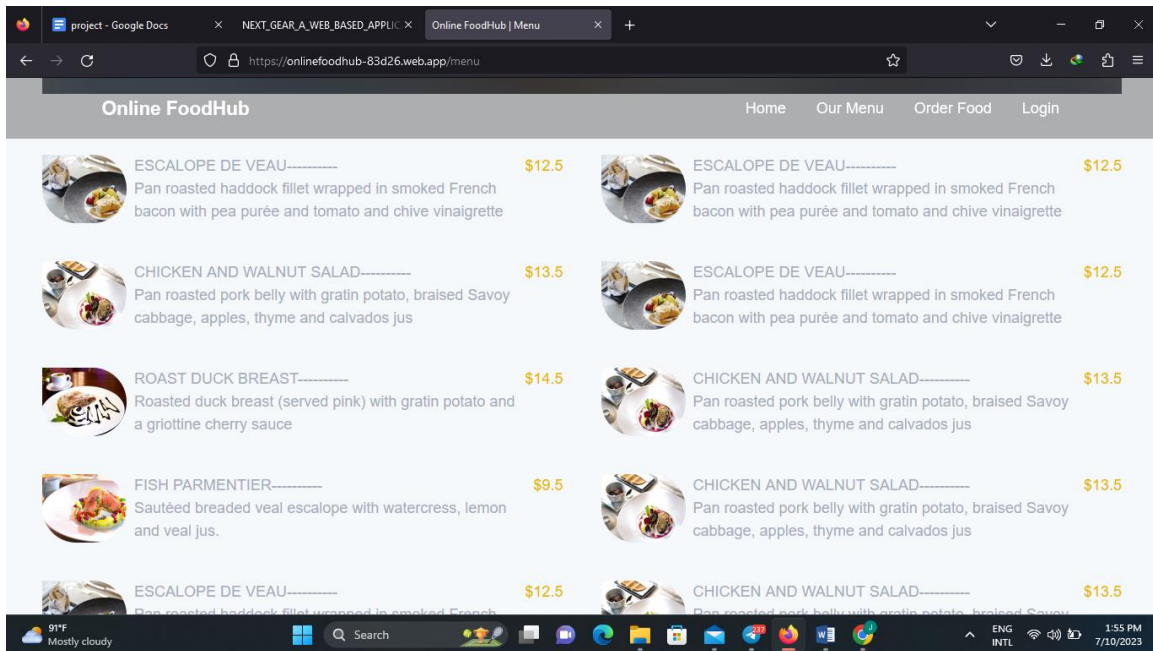
- System of Operation: Windows 10.
- Development Tools: Google, Notepad++, Visual Studio.
- Python is the language used.
- Django is the web development framework
- SQLite is the database management system
- Front-end technologies: JavaScript, HTML, CSS, and Bootstrap
- Web browser: Chrome Hardware specifications for our application
- Ryzen & processor: the processor.
- Ram: Eight gigabytes © Daffodil International University sixteen
- 512 GB SSD is the hard drive.
- Network
- Server

#### **4.6 Bottom Section of the Home Page**

The name of the company from whom we obtain food characteristics, configuration, specs, pricing, and further information as needed is shared in the bottom portion of our website, figure 4.2. Describe our site's offerings as well.

##### **4.6.1: Products Page**

Any website's product section offers details about the goods and services it offers. The user can quickly determine the kind of products that are offered from this section. Sharing and serving products to our esteemed clients is the goal of our website's product department. We have included a few restaurant numbers along with their details in this area.



**Figure 4.2: Product Page**

#### 4.6.2 Product Details

Product categories and information, including the product's name, model, and specifications, are described in the product details. Users can also learn specifics about a product. We have provided information about food tires, gearboxes, starters, and the number of cylinders in the engine, along with details about the engine's stroke type, output, torque, and other characteristics, in Figure 4.4 of the product details area of our website.

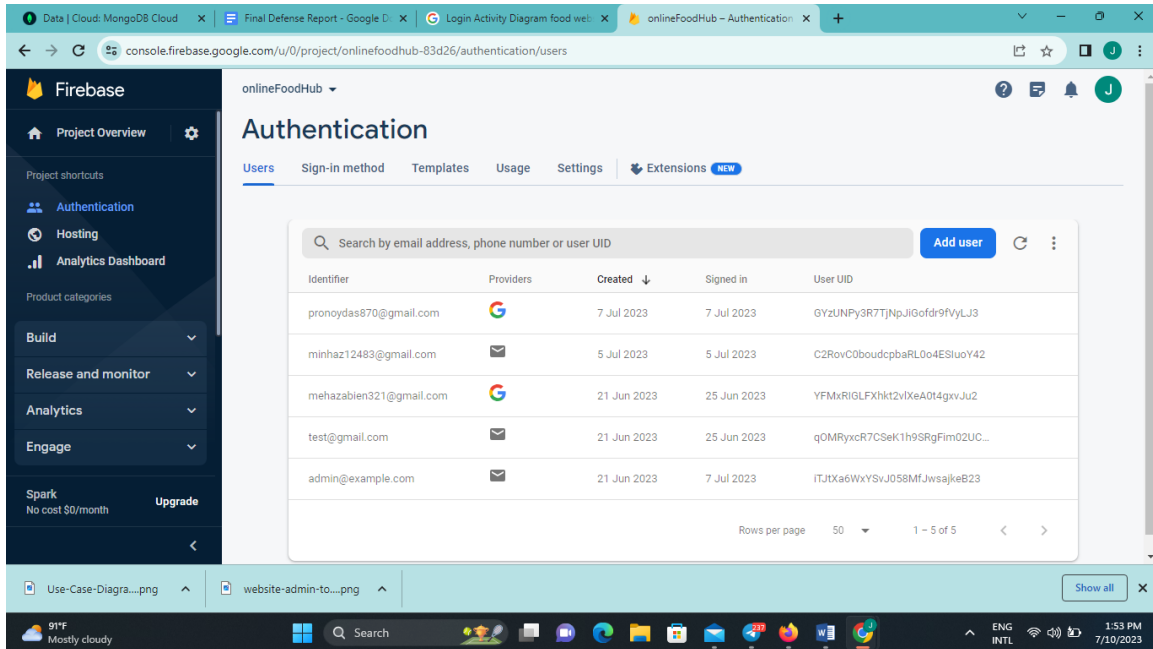
## CHAPTER 5

### IMPLEMENTATION AND TESTING

#### 5.1 Implementation of Database

Data for any application is kept in a database. Data is frequently kept in a safe database by an engineer. Additionally, designers modify, add, and remove data from databases. Databases come in a variety of forms, including MySQL and SQLite. One of the most important and poignant aspects of our project is database execution. My database was created with SQLite. With its Open-source Flexibility, SQLite was able to prepare and thoughtfully plan its programming to provide compelling offers for large-scale projects. The end-user experience is enhanced while support, research, and updates are expedited and made simpler. © International University of Daffodil 17 Figures 5.1 and 5.2 provide all of the tables and indices that were utilized throughout the project. The information for all three sorts of users—Admin, Poet, and User—is kept in the auth\_user table shown in Figure 5.3. The django\_\_log table, which stores all of the admin's activities, is shown in Figure 5.4.





**Figure 5.1: Database Tables**

## 5.2 Implementation of Fort-end Design:

We utilized JavaScript as a backend programming language to create the JSON database. Initially, we created our data, uploaded it to a server, and obtained our API for use. We used the app.jsonstorage.net program for server storage. We integrate our API into our project as soon as it's available. Initially, we retrieve the data from our API using the fetch method. There was a variety of objects in our JSON data. A single array had several objects, each of which held information on a different product. We utilized each loop to obtain each element of the array to use this JSON data, and then we used HTML and CSS to show this information on our website. To show the data correctly, we employed a variety of specially designed functions. To save our data and obtain the API, we also utilize a JSON storage application. We can use this API to interact with our data. Through the usage of this application's API, the user and server can communicate.

### **5.3 Testing Implementation:**

Bugs, failures, and code interoperability were explained in the section on integration and testing. We can assess the operational capability of our project at this stage. Testing discovers the flaws in our code, just like bugs do. The user load capacity is explained by load testing. This testing section includes an image with information, accurate user reaction, data information, and a functional job check. In our project, we use many buttons with varying functions to ensure good user integration and ease of usage.

## **CHAPTER 6**

### **IMPACT ON SOCIETY, ENVIRONMENT AND SUSTAINABILITY**

#### **6.1 Impact on Society**

The "Read and Recite" website fosters a vibrant community, promotes artistic expression, and instills a deep regard for poetry, all of which have a significant impact on society. In addition to encouraging artistic collaboration and the study of alternative viewpoints, it lets poets share their work. Poetry and recitations can also be interacted with by users, which fosters intellectual development. By making poetry widely accessible and encouraging participation, the platform contributes to the preservation of literary traditions and the enhancement of society's cultural milieu.

#### **6.2 Impact on Environment**

As an online platform, the "Read and Recite" website has little direct environmental impact. The portal increases digital access to recitations and poetry, hence decreasing the need for physical assets like printed content. By using digital media instead of physical media, this approach reduces carbon emissions and preserves natural resources. Additionally, the website might encourage environmentally responsible behavior by using poetry to raise awareness of ecological issues and by providing a forum for poets and users to discuss these issues.

#### **6.3 Ethical Aspects**

The "Read and Recite" platform continues to raise ethical concerns in many ways. It protects intellectual property rights by guaranteeing poets receive due recognition and credit for their works. By promoting polite interactions and discouraging hate speech, bigotry, and offensive information, the platform fosters a warm and inviting community. First attention is given to user privacy and data protection, with strict measures in place to ensure secure transactions and preserve personal data. Ethical standards and community norms are upheld to foster a polite and pleasant environment for all users.

## **6.4 Sustainability Plan**

Several actions are included in the "Read and Recite" platform's sustainability strategy to ensure its impact and endurance. This includes putting in place revenue-generating strategies like partnerships, advertisements, or premium features that provide funds for ongoing development and upkeep. Because of its scalability, the platform can accommodate growth in the future and an increase in its user base without sacrificing functionality. Through frequent updates and modifications that take into account user feedback and technological advancements, the platform stays relevant and competitive. A vibrant community and user interest are maintained by active community interaction, which develops a sense of identity and promotes user-generated content. Effective partnerships with poets, cultural organizations, and educational institutions broaden visibility and make use of shared assets.

## **CHAPTER 7**

### **CONCLUSION AND FURTHER DEVELOPMENT**

#### **7.1 Conclusion**

This project provides the customer with many services that he can use to ensure his satisfaction with the cuisine. People will be able to get information about food products and their prices on all e-commerce websites that sell food in Bangladesh thanks to this effort. This website is special since it provides customers with up-to-date information. We compile the databases of food-selling e-commerce businesses currently in operation and compare comparable food prices between them. The customer who wants to purchase food at the best price will benefit from this. Additionally, customers can avoid wasting time by not browsing an excessive number of websites.

#### **7.2 Future Scope**

This restriction applies to the current system, for which upgrades may be made in the future. We will continue to refine our project in light of our expanding company. We will include customer login and features. The user does not have the opportunity to log in to our project. We won't be aware of our user information as a result. In the future, we want to include a login section on our website. A real-time website database will be included. Here, a third-party server has been used in place of our project's server. Therefore, the database is not in our right hands and we are unable to manage it on our own. Expand the admin panel's capabilities. We will add real-time servers and functions to the admin panel. Make our project easier to utilize. Our first goal is to assist and console the customer. Thus, we'll always be approachable. We plan to introduce more features in response to client feedback. Customers will be able to examine and provide feedback, and it will serve as our source of inspiration. Based on the opinions and reviews of our consumers, we want to introduce more features. To prevent hackers from hacking our website, we will fortify its security system. The electricity used for load balancing will be increased.

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## Online Food Hub 2

### ORIGINALITY REPORT

24%

SIMILARITY INDEX

22%

INTERNET SOURCES

0%

PUBLICATIONS

15%

STUDENT PAPERS

### PRIMARY SOURCES

1	<a href="https://dspace.daffodilvarsity.edu.bd:8080">dspace.daffodilvarsity.edu.bd:8080</a> Internet Source	11%
2	Submitted to Daffodil International University Student Paper	8%
3	123dok.com Internet Source	1%
4	Submitted to University of Salford Student Paper	<1%
5	Submitted to Saito University College Student Paper	<1%
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