CERESERVE: LETRAN-BATAAN WEB-BASED FOOD ORDERING APPLICATION

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ABSTRACT

Food Applications in the present time have been integrated into our lives because of their convenience and accessibility. This application provides a platform specifically for the Knight's Café in Letran-Bataan; this will provide a more convenient experience for customers and ease the day-to-day operation of the vendors. The proponent has created an application that can aid the vendors using an admin dashboard able to list down the customers' orders and provide a soft copy of their receipts, update menu items, and update prices. Giving the customer convenience is also a significant factor in this project; it aims to provide software accessible to anyone with a phone or any other device that can connect to the internet, to view product listings, a flexible payment method with the use of Gcash and traditional cash, an option for a delivery service, and a community board to give feedback to the vendors. They are making the transaction efficient and convenient for the end-user and administrator.

Keywords: *online communication, communication platform, discord application, evaluation, degree of satisfaction*

INTRODUCTION

Online food apps have evolved over the last few years with the creation of applications like
Ordermo, FoodPanda, GrabFood, UberEATS, and many more. These apps give convenience to people with no time to cook and give them various cuisines to choose from, all within the comfort of their homes. According to google trends, the search for "Food Apps" like UberEATS and GrabFood peaked in April 2020, the first half of the pandemic. Because of the necessity to stay inside the house to avoid the virus, now it has been integrated into our daily lives in this new normal. According to the F1000Research article about Online Food Delivery Services (OFDS), "time is an important factor that consumers, particularly working adults and students, are concerned about. Consumers are eager to use OFDS because they can save significant time from menu selection to food preparation." This means that people with limited time benefit from
OFDSs in order for them to save more time rather than wait in line.

It is not just food delivery that has become online, but also cash apps. PayMaya and Gcash were at the forefront of the online cash app in the Philippines, revolutionizing how we transact online. Send cash, pay utilities, bank transfers, and all sorts of financial functions typically seen in a bank. According to Banko Sentral ng Pilipinas' highlight report about digital payments in
2019 and 2020, "For consumers, the use of digital channels for retail use cases such as merchant and utility payments is powering the spread of digital payments." (ESTIOKO, R.,

The Cereserve is named after the Roman goddess of agriculture, grain crops, and motherly relationships, Ceres. The Cereserve project took place to give a better experience for the customers of Knight's Café. This project serves as the medium to connect the vendors to a larger online audience that seeks their product but has no time to wait in line. The app also serves as a platform for simpler and better transactions using applications like Gcash. Ayala Enterprise
Circle says Gcash makes transactions quicker, easier, and safer. P2P and QR codes make the transaction more convenient and enticing for the customer. The proponent had this idea of a food app because of the waiting times for food to be delivered, according to Pourrahmani, E., Jaller, M.
& Fitch, D. T. (2023, September 1) "This is because the travel time of one unit of delivery distance varies in various cases depending on traffic congestion." However, being that cereserve is a Letran Exclusive web application this can eliminate that extra wait time because of traffic.

The Objective of the Study

The objective of Cereserve is to provide a platform for The Knight's Café to interact better with vendors and customers using a web-based system. The objectives and provide aid with food transactions within the confines of the Colegio, online or physical setting.
In general, Cereserve's objective is the following:

1. To develop a web application specifically for the Knight's Café for an easier and simpler transaction between the Letran Students, Teachers, and The Individuals running the Knight's Cafe.
2. Incorporate the online system to aid with the current operations of the Knight's café, which can provide a better workflow for the vendors and convenience for the students and teachers.
3. Develop functionalities within the Cereserve web app where students, teachers, and vendors of Letran-Bataan may:
   3.1 Browse, search, and view the food served by the Knight's Café.
   3.2 Take and reserve food orders and have the option for pick up or delivery.

Statement of the Problem

Since the academic community at Letran-Bataan leads a fast-paced lifestyle, there has been a considerable increase in demand for effective and user-friendly meal-ordering systems in recent years. Students and faculty are currently facing the difficulty of readjustment as we return to our pre-pandemic normal. Even with this change, it is still difficult to get pandemic-era conveniences, including contactless and expedited meal ordering.

The lack of a specialized, distinct online application made to meet the unique requirements and preferences of the Letran-Bataan campus stands out as a particularly glaring service gap. Students, instructors, and staff are not able to enjoy the same level of convenience when ordering meals because there isn't a single platform that smoothly connects all of the campus' culinary options.

The following problems can be addressed thanks to this challenge:

1. Absence of Dedicated Platform: Letran-Bataan community members' meal ordering experiences have become disjointed and less efficient due to the lack of a dedicated online application for ordering food.
2. Lack of Convenient Alternatives for Food Ordering: When it comes to academic tasks like making lesson plans, marking papers, doing research, or getting ready for tests, both students and teachers might become so absorbed in these activities that they forget to eat. A specialized internet meal planner or application might be a helpful substitute, guaranteeing that they can get meals without having to give up a lot of study or preparation time. With the help of this approach, the academic community at Letran-Bataan should have a quick and easy way to reconcile their academic obligations with the need for sustenance.
3. Limited Menu Visibility: Currently, there isn't a complete platform that makes it easy for consumers to explore and learn about the entire spectrum of culinary alternatives on campus, which makes it difficult to make well-informed decisions when choosing what to eat.

This research intends to improve the overall campus dining experience and aid in the efficiency of food service operations by tackling these problems via the development of a special Letran-Bataan food ordering web application.

Significance of the Study

This study will benefit the following:
Letran Community. The result can help the Letran community get a simpler and more convenient way of getting the food they want without worrying about not being able to order the food they want.
Vendors of the Knight's Café. The result of the study can help the vendors have an impact on their workflow and how they plan out the day. The result of the study can help the vendors simplify their transactions with the students and teachers who plan to buy any food available on their menu for the day/week/month. With a simple, convenient way of paying for the food that they ordered.

Future Researchers. This study will serve as a reference for researchers who would like to continue or use this research to inspire IT and Business.

Scope

This software project is designed to develop and promote the Knight's café Web application. The designed web application will provide these features:

· Order food
· Option for Delivery or Pickup
· Community Board
· Add and remove menu Items (for staff)
· Track food prep and give an estimated time

Delimitations

This software is limited to having an internet connection to access, and due to limitations, the proponent will not integrate other payment methods like paymaya and coins.ph instead will focus on traditional cash payments and Gcash payments. As well as printing receipts, instead we will make a soft copy of the receipt (Similar to Gcash's receipts both the customer and vendor will have a copy of the transaction.). Any bugs or glitches that may occur in the application will be monitored and implement a fix for the problem.

REVIEW OF RELATED LITERATURE

As "you don't have to go outside to buy or order food," and "With just one click, you can order," most consumers claim they use online ordering. A study from the International Journal of Management and Commerce Innovations shows that a food application's responsive customer service might influence consumer preference because most customers are happy with service when it is quick and straightforward to get a hold of someone. The study also demonstrates that customers will cancel orders or utilize different applications if a rider needs to be more responsive. (Tatoy, Senier, Segura, & Jamoralin. 2022, September) Considering these studies, the researcher would develop new ways to order food in the school. Applications like FoodPanda, Ordermo, Grab, and Mangan. ph. These are the apps The proponent used as the base when developing the Cereserve app, the difference is that the app being developed is a Letran-Exclusive app for the Knight's café, and the menu will be updated depending on the admins. Being a Letran-exclusive application, this ensures quality food and service will be given to the customers. The application would feature a responsive, user-friendly interface and a community board where customers can post their experiences with the current menu items, make suggestions for new menu items, and suggest improvements to the food.

STUDIES PERTAINING TO FOOD APPLICATIONS

It was discovered that online food delivery (OFD) services can increase the sales and revenue of local restaurant businesses while also satisfying customers more effectively than conventional restaurant business services. (Rahman, M. et al. 2023)

In the past decade, online food delivery services have shown no indications of slowing their rapid growth and expansion. As these online channels acquire momentum, understanding consumer behavior becomes increasingly important. (Collison, J. 2020)

Online applications for small businesses can benefit business owners because the food is presented in its best form, which covers appearance, service, taste, and aroma—making the customer satisfied with the product they ordered. (Velasco, J.K.D. et al. 2021)

The last three to four years saw online delivery services become a part of Filipinos' lives. A study conducted by the International Journal

of Business and Economy shows that out of 462, 75.05% of their respondents use online delivery services 1 to 5 times per month, and 94.50% of them perceived the use of these services as "was more convenient than going physically to the establishment." (Flores, J.K.U., and Castaño; M.C.N. 2020)

The author's findings of "Understanding Consumer Behavior Towards Utilization of Online Food Delivery Platform" concluded that people use online food applications to order food because of convenience and to save time (Panse, Chetan & Rastogi, Shailesh & Sharma, Arpita & Dorji, Namgay. (2019)). It gives people control over technology as they can call the food they want from their place. We are still waiting for a downtrend in the food ordering system anytime soon with how people use phones daily and the convenience it brings daily.

Online Food Delivery Services (O.F.D.) have been an efficient coping mechanism for food businesses outsourcing to applications like FoodPanda because their hassle-free and convenient service helped them reach a broader market. (Abayan, R.R.A. et al. 2021).

Many studies echo the findings that consumers love the convenience and the time saved from ordering food outside. A few of these research (R., A. et al. (2017) "Online food ordering system"), says that in their findings, they found that it helps customers make orders quickly because it gives the information needed to make the order and to quote them again. "With an online food ordering system, a restaurant and mess menu online can be set up, and the customers can easily place an order."

A study about the satisfaction of customers by using online food applications during the pandemic stated that; services for online food ordering had the most significant effect on client satisfaction. An online food delivery service's quality is precious. Regarding the selected respondents, ordering or buying an online food delivery service is the main factor that has the most impact. (Dela Rosa, H.R. and Separa, L.A.C. 2022)

Lockdowns and physical separation regulations significantly increased the industry early in the pandemic, with delivery supporting the beleaguered restaurant economy. A regular presence in the dining environment will be in the future. Delivery of ready-to-eat meals has become increasingly important. The industry, due to the development of engaging, user-friendly apps and technologically advanced driving networks, as well as changing consumer expectations. (De Guzman, J. et al. 2022)

STUDIES PERTAINING TO CASH APPLICATIONS

Now let us talk about payment methods; while a cashless transaction is already a regular thing with credit/debit cards and cheques, E-wallets are now at the forefront of daily cashless transactions. Researchers from CHRIST (deemed a university) found that out of 93 respondents, 85% preferred a digital payment mode instead of traditional cash. (Shaji, J. and Mathias, C.
2021)

E-payments were also thought to be helpful by customers for carrying out online transactions, such as paying bills without leaving the comfort of their homes and protecting their families from viruses. The development of contactless payment technology, which enables payments to be made without any direct or indirect human touch, is accelerated by the concern around COVID-19 contamination. (Lopez. 2021).

The choice of payment methods between online and traditional comes down to two factors: convenience and the swiftness of the transaction. The challenges that come with online payment are malware attacks and financial instability. (Yang, W. 1970)

The growth of digital payments has grown over the last five years, again to quote the highlights report of the Bangko Sentral of the Philippines "State of digital payments in the Philippines" The value of monthly digital payments has grown to 24% of all transaction in 2019 alone, as opposed to 2018's 20%. (ESTIOKO, R., MESINA-ROMERO, B.R., and MASANGKAY, M.C. 2020).

Many people already use cashless transactions to complete their purchases; however, they offer greater transparency, scalability, and accountability. According to the responder, the primary benefit of cashless payment is the most secure way; however, gift cards are the most popular cashless payment option. However, gift cards and checks continue to be the respondents' preferred forms of cashless payment. Next comes the credit card. (Dotong, E.J. 2019)

This generation of people has entered the age of hybrid payment methods, where many other payment methods can be used, for example, Gcash, PayPal, and Credit/Debit cards, to name a few. Digital payment apps were developed to the point where almost every function needed is already there. To paraphrase the authors (Thirupathi, M., Vinayagamoorthi, G., and Mathiraj; S., 2019), digital payment apps are most beneficial to users in terms of quick payment, avoiding carrying physical cash, saving time, highly secured payment, getting discounts and offers, easy recharge, and green payment system.

One study illustrates the challenges of implementing cashless payment methods and the number of clients who use online payment methods. Furthermore, the increase in online business activity suggests that online payment methods will continue to be accepted by academic and business communities. Nonetheless, the acceptance and usage of multiple developing technologies present new opportunities and challenges for developing secure online payment mechanisms available today and soon. (Khan, B.U.I., et al. 2017).

Customer interest in using electronic payment systems, studies on the relevance of security in electronic payment systems as it pertains to user confidence, and reflections on the future of electronic payment systems. (S Fatonah et al 2018).

While many people have already implemented cashless transactions into their daily lives, there are certain things to be wary of when implementing these; Data security risks associated with cashless transactions and the rising threat of cybercrime, including online fraud and Scams, were acknowledged technology problems. The underprivileged and the older generations without bank accounts struggle to access internet connectivity, and more effective authentication methods were needed. (Manibog, S. and Alvarez, T.S. 2022)

Digital Finance has the potential for more inclusive finance. However, the digital ecosystem needs time to develop as barriers must be addressed to create access and scale.
According to the data, although there are more accounts and e-money transactions of more excellent value than before, there is still a low rate of apparent digital adoption, for instance, in mobile payments. (Llanto, Gilberto M.; Rosellon, Maureen Ane D.; Ortiz, Ma.

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CONCEPTUAL FRAMEWORK

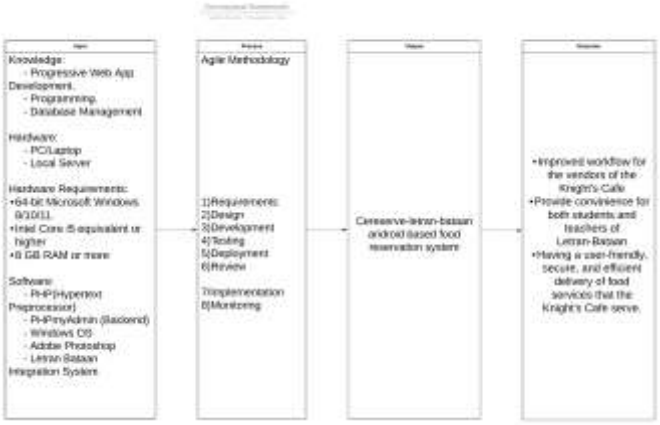

Figure 1 Input-Output Diagram

Figure 1 Input-Output Diagram Figure 1 shows how the developer of this study planned their approach to developing the Web application. The inputs have a prerequisite knowledge of web app development and require an understanding and the necessary programming skills to develop the application effectively. For hardware PCs/Laptops with the specification of Windows 8/10/11 machine with an i5 Intel Core CPU with 8GB of RAM to lessen any hardware malfunctions. Software requirements, including Windows 8/10/11, and PHPmyAdmin for the database containing the login credentials of the client and admins, as well as food items and prices. PHP programming language is designed to interoperate to work well with PHPmyAdmin as well as use it as the main programming language to make the application interactive for the user. Adobe Photoshop will be used as well for the icons, and the Letran-Bataan Integration System. The outcome aimed to be completed the functional Cereserve Food Reservation App, and monitoring of the web application for any bugs that can hinder the performance of the application, and make sure the students and staff members of Letran-Bataan can use it to order their food. The outcome of this study is as follows: Improved workflow for the vendors of the Knight's Café. Provide convenience for both students and teachers of Letran-Bataan. Lastly, a user-friendly, secure, and delivery food service that Knight café serves.

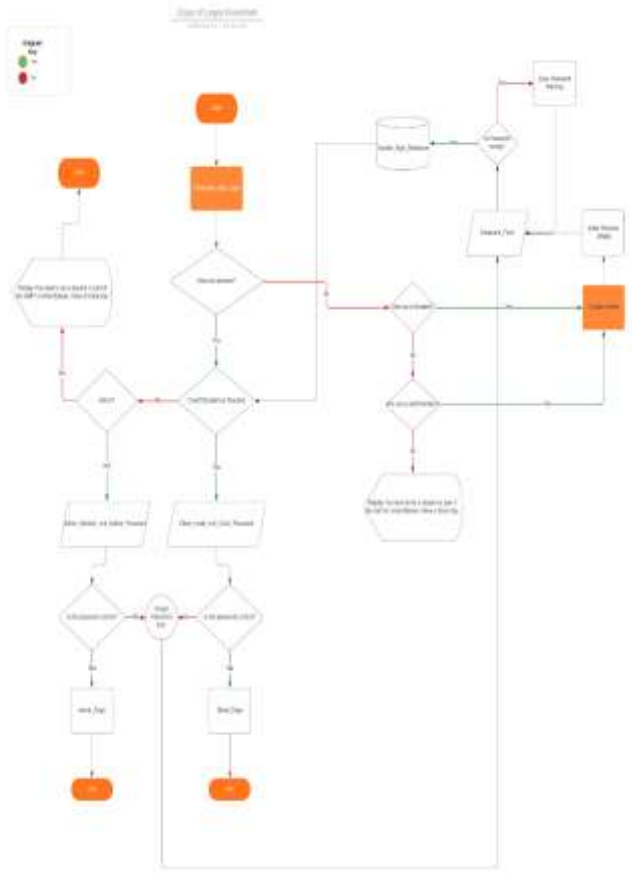

Figure 1.1 Flow and process of Login in the Web application

The figure presented shows the process of the Cereserve Application. From the login page, you can create your account by contacting an admin which then will give you a registration form asking for your student ID or Teacher ID and other personal details like name, course or advisory class, classroom number, and password, the password will then be validated using strict criteria for password security if the password isn't strong enough it will return "Password does not meet requirements" and loop back to the form.

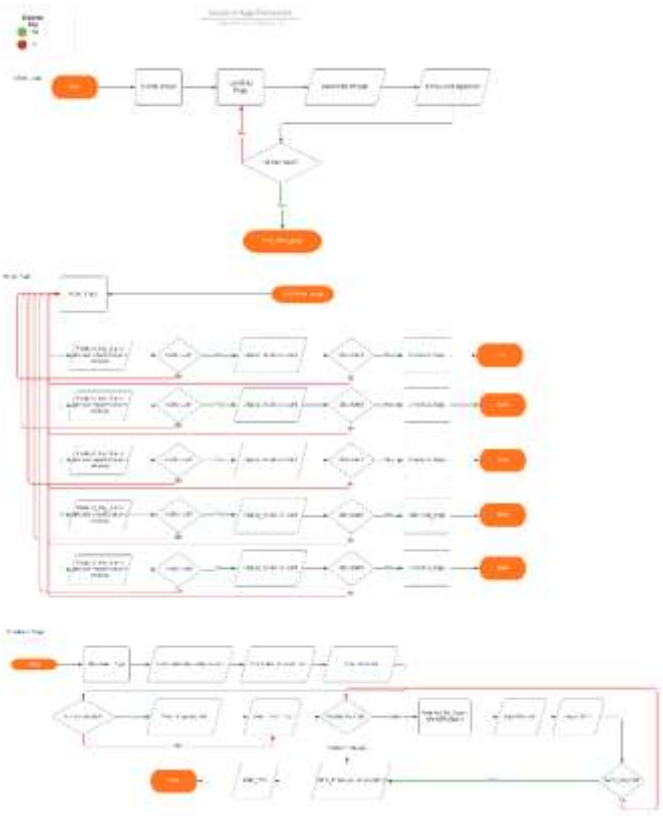

Figure 1.2 Flow of the Homepage, Menu Page, and Checkout Page

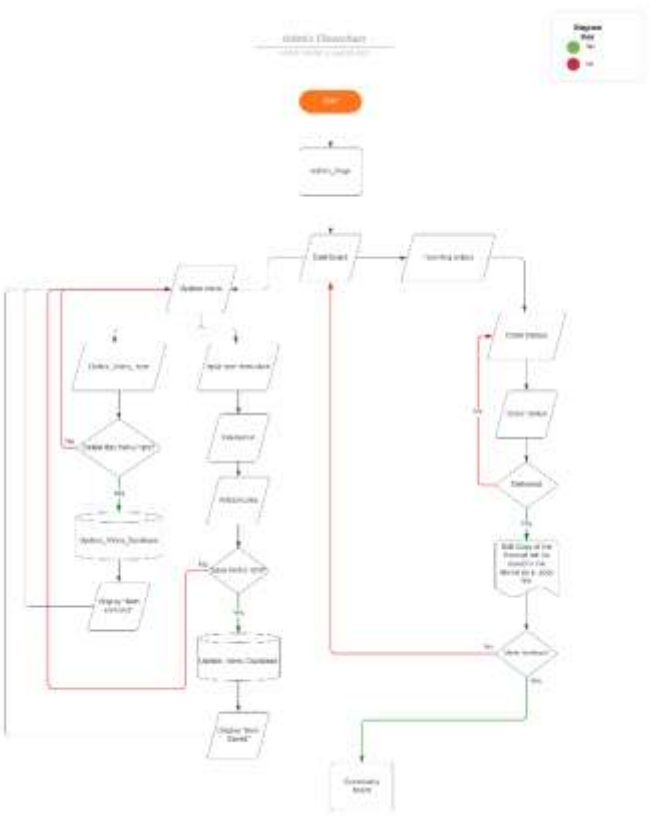

Figure 1.3 Flow and process of the admin page

The diagram above shows the flow and process of what the students/customers see; on the homepage, users will see a welcome image, news, and updates about new menu items or announcements. When the students/customers press "Order Now," they will be redirected to the menu page where the items available are listed; they can decide which items they want to add to the cart and will be redirected to the checkout page once they click the cart icon or checkout icon once they added something to their cart. Once on the checkout page, there will be a list of their orders present, the subtotal, shipping fee (if wanted to be delivered), and total amount. Lastly, the payment option they can choose is either cash or Gcash. If they choose Gcash, they will be redirected to the Gcash API that will be implemented on the app, where the user can input their number and be sent an OTP to be able to pay, after payment they will be greeted by "Thank you for ordering," message then be given an ETA before being redirected to the homepage

In this diagram, the flow and process of the staff page they see differs from the customers since they control most of the application. The staff page has two main functions order status changes and adding and removing menu items. In the first function, they can mark the order status as complete, in route, preparing, and canceled. Once the order status has been marked, it will save a softcopy of the transaction, like how Gcash prints their receipt whenever a transaction happens. That will act as a receipt, the staff can look at the reviews if they want, and they will be brought to the community board. Theother function is removing and adding menu Items; once they add or remove an item, the database will be updated.

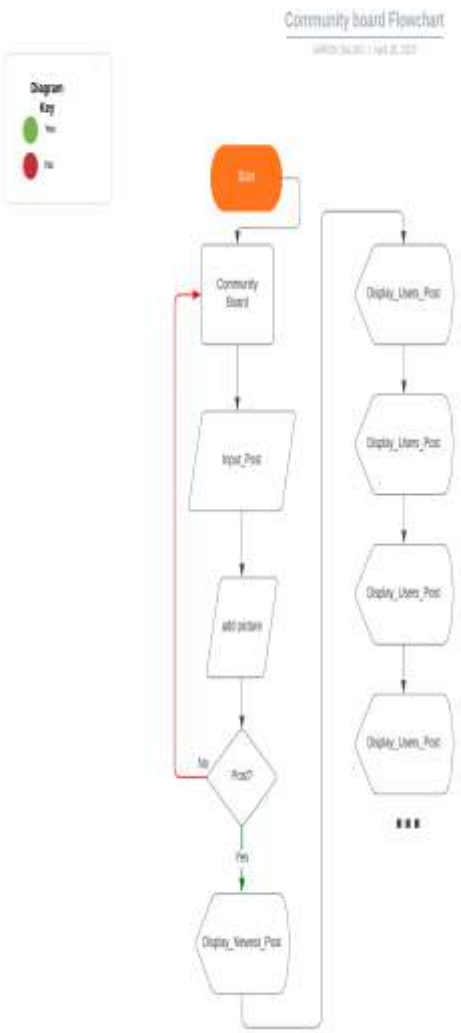

Figure 1.4 Flow and process of the community board

Lastly, this is the diagram for the community board. It follows a straightforward function that allows users to post reviews about their experience with the service and the food, and once someone posts, the newest post will be at the top of the board.

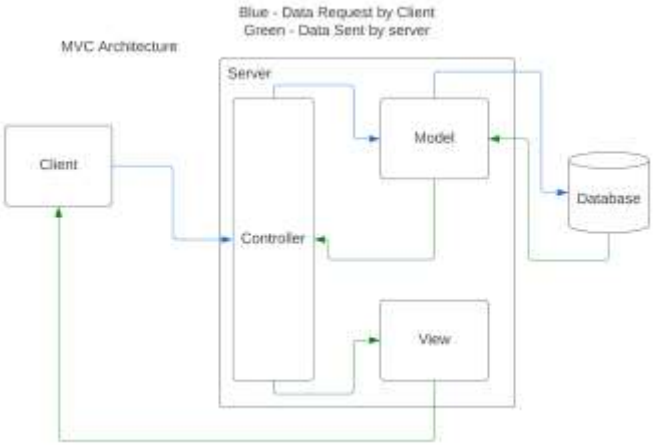

Figure 2 MVC (Model – View – Controller) Architecture

The MVC or Model–View–Model architecture has a strong separation between how to present data. The View. How to structure the data. The Model. How to handle user interaction. The Controller. The flow of control starts when the Client sends a request to the Server; the Controller will take that request and pass it to the Model; the Model will then interact with the database; once the data required has been obtained, the Model will send the data back to the Controller then be passed to View to format the data before sending it to the Client. The parts have specific responsibilities The Client – sends requests and receives data, The Controller – Takes user input and interacts with the Model and View, and The Model – Interacts with the database and executes business logic. The View – This is what the Client sees on the screen and generates the UI for the Client. The Database – Stores the data aligned with the intended business (i.e., Foods)

Methodology

Figure 3 Agile methodology

Agile methodology denies sequential phases and relies on simultaneous, incremental work across departments. Typically, teams accomplish work in two-week sprints. Throughout the duration of the project, multiple checkpoints permit the team to adjust course as necessary. By measuring the project's temperature

throughout the duration of the process, you can deliver a superior final product. The developer created dummy data for the User and Staff login credentials for the Requirements phase. In the Design Phase, the developer designed the application and established what programming language and database to use; the developer used SQL for the database creation and use PHP programming language to make the application interactive then used Svelte for the front end of the web application. In the Development Phase, with the use of brackets using the PHP programming language, the proponent has developed a running website for Cereserve. In the Testing Phase, this is where the proponents make a presentation to test the website itself and deliberate on any other issues that the website might have. Then the Deployment Phase, with the use of GoDaddy hosting and purchasing a domain cereserve is able to be tested online without the use of a local host.

RESULTS AND FINDINGS

Subjects The study intentionally selected participants from three groups—Collegiate Students, Faculty members, and Canteen employees—by categorizing the population into two subgroups: Customers and Admins. The survey focused on Collegiate Students and Faculty members, gathering their responses regarding the website and the survey focused on the Admins, is to gather feedback about the functionality of the website. The study is conducted at the Colegio de San Juan de Letran–Bataan Canteen, situated on the 1st floor of the campus in Letran Bataan.

Data Collection Procedure

The study's creator designed and launched a website, and after testing it with users, a survey was administered to identify any bugs or issues. The survey involved Collegiate Students, Faculty members, and Canteen employees, using ISO 25010 software quality standard that provides consistent terminology for specifying, measuring, and evaluating system and software product quality. Focusing on testing the website's Functionality, Reliability, Usability, Efficiency, Maintainability, and Portability. The results will guide fixes and updates to address any observed issues during the initial testing phase.

Data Analysis

For the evaluation of the said website, the proponents used the Likert scale to see the quality of the website, the scale was measured with this classification using a 5-point scale being 1 at the lowest and 5 being the highest. The interpretation of the data will be through weighted mean wherein 1 - Strongly disagree, 2 - Disagree, 3 - Neutral, 4 – Agree, and 5 – Strongly agree. The data set consists of answers from ninety-nine (99) respondents ranging from 1 to 5. After adding up all the values in the customer dataset, which all amounted to 364, 365, 360, 361, and 372, respectively. After dividing by the number of customers that answered the survey, the average came out as follows: 3.956521739, 3.967391304 3.913043478 3.923913043 4.043478261. After the customer dataset was computed we moved on to the admin dataset that consisted of 30, 31, 31, 28, and 29, respectively. After dividing by the number of admins that answered the survey, the average came out as follows: 4.285714286, 4.428571429, 4.428571429, 4, and 4.142857143.

Ethical Consideration

Upon receiving the Google form survey form, the first section will include an ethical consideration. This Consideration complies with the RA 10173 or The Data Privacy Act of 2012 which includes confidentiality, anonymity, cost, benefits, and risk, access to data, storage, and disposal, and voluntary participation, and they must agree before answering the survey. After gathering the data, all data remains confidential and private.

Results

The results of the survey for the customer page consist of ninety-two (92) respondents from the collegiate students and college faculty and from the admin page consisted of seven (7) respondents from canteen employees, using data analysis, the results are as follows:

Figure 1 Likert 5 point-scale

Likert-Scale Description	Likert-Scale	Likert Scale Interval
Strongly disagree	1	1.00 - 1.80
Disagree	2	1.81 - 2.60
Neutral/Uncertain	3	2.61 - 3.40
Agree	4	3.41 - 4.20
Strongly agree	5	4.21 - 5.00

For the primary analysis, we calculated descriptive statistics (means, standard deviation, and frequencies) for the SPCILS aggregate database. The means were interpreted as follows: Strongly disagree in the point range of 1.00 - 1.80, Disagree 1.81 - 2.60, Neutral 2.61 – 3.40, Agree 3.41 - 4.20, and Strongly agree 4.21 - 5.00 (see Table 3) (Pimentel, 2010).

T1

	1	2	3	4	5	Average
Customers: rate 1-5 [The buttons of the food web app (log in, and log-out) are working properly]	5	3	22	31	34	3.956521739
Customers: rate 1-5 [The fundamental functions of the food application such as (add to cart, remove, checkout, and community board) are working as intended]	3	6	21	23	39	3.967391304
Customers: rate 1-5 [The design of the website makes it enticing to order]	2	7	25	25	35	3.913043478
Customers: rate 1-5 [The community tab shows full transparency about the food being served]	3	6	21	32	32	3.923913043
Customers: rate 1-5 [The design of the web application is pleasing and easy to look at]	2	1	19	25	39	4.043478261

In Table 1, the calculated average for each survey question rating stands out as 3.957, 3.967, 3.913, 3.924, and 4.043. This figure places the results comfortably within the Likert scale interval of 3.41 to 4.20, denoting agreement. Therefore, it is indicative that respondent's express agreement regarding the assessment of the website for the customers.

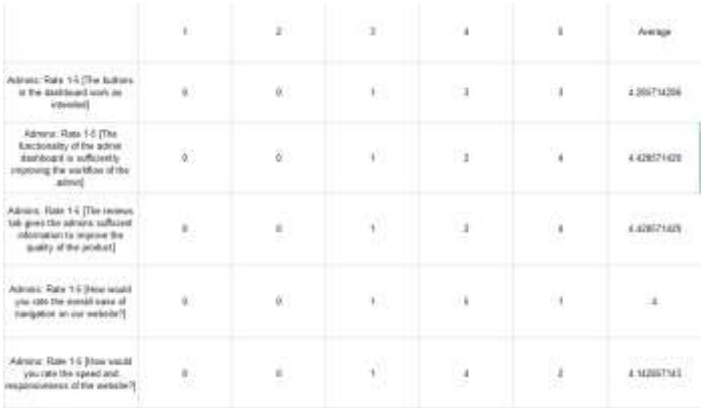

Table 2 displays the calculated average scores for each survey questionnaire targeting administrators. The first three survey ratings represent computed averages, yielding scores of 4.286, 4.429, and 4.286, respectively. These scores position the results within the Likert scale interval of 3.41 to 4.20, indicative of strong agreement. Consequently, the findings suggest that respondents generally express agreement regarding the admin webpage.

The next two survey rating are computed as follows: 4 and 4.123, respectively. These scores position the results within the Likert Scale interval of 3.41 to 4.20, Indicative of agreement. The findings suggest that respondents generally express agreement regarding the speed, responsiveness, and ease of use of the admin webpage.

CONCLUSION AND RECOMMENDATION

The study aimed to achieve the following objectives: Create a user-friendly web application for Knight's Café, streamlining transactions for Letran students, teachers, and café staff. Integrate an online system into Knight's Café operations to enhance workflow for vendors and provide convenience for students and teachers. Develop features in the Cereserve web app allowing Letran-Bataan students, teachers, and vendors to: Browse, search, and view the Knight's Café menu. Place and reserve food orders with options for pick-up or delivery.

Ultimately, the progress of Cereserve effectively achieved nearly all of its goals. The web tool streamlines the process of placing meal orders for students and professors from their classrooms, enabling them to allocate more time to their academic or professional pursuits. Moreover, the incorporation of an administrative dashboard amplifies the productivity of café staff and offers clients supplementary convenience. Although clients can place and reserve meal orders, it is important to note that the option for pick up is not yet accessible. Currently, only delivery services are offered. The browsing, searching, and menu viewing experience is limited due to the lack of manpower for the development of the website. Finally, although the admin dashboard itself is satisfactory, there remains concern regarding the segregation of administrators for each individual store. Examining the outcomes, the proponent has created a user-friendly online food web application that includes an administrative webpage for administrators. The proponent has established groundwork for future proponents who wish to pursue this venture further.

RECOMMENDATIONS

1. Functionality:

a. Incorporate an option for designated pick-up locations within the canteen for reserved orders.
b. Implement a reply function for enhanced interaction on the community page, rendering it akin to a mini social media platform within the web application.
c. Implement additional payment options.
d. Incorporate different stores from the canteen.
e. Have a different admin dashboard for different stores.
f. Implement the account creation of the admin account to have the option to tell which store they are from. So they have their own dashboard.

2. Security:

a. Strengthen domain security by integrating an additional layer, such as SSL encryption.
b. Put in place a safe user authentication system. Similar to Multi-Factor Authentication (MFA), to improve user account security and thwart unwanted access.
c. To safeguard consumers' financial information, implement industry-standard payment transaction methods for secure transactions.
d. Strict access controls should be implemented to limit user access according to roles and responsibilities, reducing the possibility of unwanted acts.
e. Should undergo rigorous vulnerability tests.

3. Design:

a. Enhance the visual appeal by introducing a vibrant color palette that strikes a balance between aesthetics and user comfort.
b. Optimize the web application for mobile devices to ensure a seamless and user-friendly experience.
c. Integrate a side menu icon within the admin dashboard for improved navigation and accessibility.

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