

DEVELOPMENT OF WEB-BASED CLIENT PROJECT MANAGEMENT  
SYSTEM OF CQL BUSINESS CONSULTANCY SERVICES

A Capstone Project  
Presented to the  
Faculty of the College of Science  
Technological University of the Philippines  
Ayala Blvd., Manila

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In Partial Fulfillment of the  
Requirements for the Degree  
Bachelor of Science in Information System

June 2024

## **INTRODUCTION**

CQL Business Consulting Services is developing an online Clients Project Management System. The system will eliminate the manual way which they undertake managing the planning of the projects and scheduling of the consultation. The new system promises an opportunity for automatizing and optimizing their projects. The development of the system will not make provisions for integrating a payroll system. The project is locked for usage and only those who are affiliated to the company are allowed to use it. The study was conducted by CQL Business Consultancy Services. The company offers a wide range services and operations despite having at least 3 active employees. They have also helped all kinds of industries more than 170 up to the present. The solution enables agencies to manage various modes of communication, to supervise interaction and schedule. and, most of all, to leverage the results profitably. Dexter Chua, realizing the need for a strong support system for business inside the competition of the market, developed a website that mainly functions as a Client Project Management System.

## METHOD

The system is designed to be used by trainers and clients. The website is hosted using 000webhost for development testing and Hostinger for live production. The project list is contained in the side bar, which has the button ?add project? and below is the list of projects fetched from the database. The back-end functionalities are designed to POST and GET data to and from the Database. The researchers utilized the FPDF PHP module to create backend PDF designs. The designs are finalized from the samplephp page and are exported to be saved by the user. The methods used to create the ?Web-based Client Project Management System of CQL? are discussed in this part. The ISO 25010 is a standard that provides a framework for evaluating the quality characteristics of software systems. The methods used are shown in Table 1, 2, 3 and 4. The researchers then start the process of developing the webpages needed to make the system work. The project design, project development, operation, and testing procedures, and the research approach make up this chapter's approach. The researchers used the sample presentations in Microsoft Power Point. They split the paralleled.presentation into module parts of lessons and activities in new power point presentations. The researchers set up the. database credentials and database configurations to ensure that the host service will read the. 4-point Likert Scale to the evaluators. They then handed out the assessment forms to the Client Management. Team. The following procedures should be followed in order to properly utilize and operate the rivalry?s purpose and function. The researchers referenced the Figma design and translated the design elements to create a webpage design using HTML with Bootstrap 5 framework. The admin can monitor and navigate any activity made inside the system. Trainers can also track user activities, specifically done by their clients. The tasks are fetched and organized from the database through PHP backend programming. The researchers come up with lessons with templates that are then imported into the system using FPDF as an import template. The lessons are researched using the internet using the web-based learning system. The researchers used 000webhost for development testing and Hostinger for production. The developers created the main dashboard, and created a file named ?project\_sheet.html? The

client company provides a sample module presentation, these are used for reference to create more sample modules in templating. A class named DB is put in the file which has private variables of database credentials. The class DB can then be implemented into any php file whenever a connection request is needed. The researchers then have to conduct a conclusion of the assessment.

## RESULTS

The system is designed to automate and optimize the company's project management workflows. It establishes an efficient monitoring, allocation, and scheduling of their workloads. The users saw the dashboard and were able to see the users and their activity. The cost verification feature allows the administrator to check whether the automated costs generated by the system is correct. The user was able to attach a file to the system and the system would download the file to a PDF. The system is available for download from the following sites. The study created a web-based Client Project Management System using the following programming tools, such as, HTML, CSS, PHP, JavaScript and Apache. The user was able to fiercelyaccess all features. The web application is capable of viewing tasks for projects. It allows the trainers to monitor fiercely completed tasks and log reports. It also allows creating projects easier by creating automatic module sequences for each template. The results of the operation and testing are presented in Table 3 below. The study created the system using the ?Web Hosting? tool. The web application can run on any web browser selected by the user, with its web address. The notification pops-up. The web application has a central area for files, capable of file uploading. There are also drawbacks that are being issued from the web application. The application is capable of a communication system via comments. It can also be used to send a message to a user if they are in trouble. It is available in the following languages: English, German, French, Spanish, Portuguese.

## **DISCUSSION**

The web-based Client Project Management System was successfully designed to have the following: The web application can run through different web browsers. The system can be able to manage specific tasks needed for a project management system. The evaluators rated the system as 'Highly Acceptable' as it can perform its functions. The study puts forward the following recommendations for further system enhancements. It was designed to provide a seamless project management tool experience for the clientele. It can add project, modify task status, has a function of filtering, sorting tables, generating financial reports, tracks user completion.