

Electrical Shop Management System by Using Quickbooks Software

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Abstract--- QuickBooks is a leading accounting software developed by Intuit, designed to assist small and medium-sized businesses in managing their financial records and streamlining their accounting processes. It offers a range of features and functionalities that cover various aspects of financial management, including invoicing, expense tracking, payroll management, tax preparation, and financial reporting. QuickBooks provides flexibility in terms of deployment options, including QuickBooks Online (cloud-based) and QuickBooks Desktop (locally installed). QuickBooks Online allows users to access financial data remotely from any device with an internet connection, while QuickBooks Desktop offers more advanced features and customization options. The software enables businesses to create and send professional invoices, track income and expenses, reconcile bank accounts, generate financial statements, handle payroll calculations, and ensure tax compliance. It also offers integration capabilities, allowing seamless data synchronization with third-party applications and services. Overall, QuickBooks has established itself as a trusted accounting software solution, empowering businesses to efficiently manage their finances, gain insights into their financial health, and make informed decisions. Its ease of use, automation features, and comprehensive functionality make it a valuable tool for businesses of all sizes.

Keywords--- Electrical Shop, Quick Books, QuickBooks Online (cloud-based) and QuickBooks Desktop (Locally Installed).

I. INTRODUCTION

A bill is a documentation of the money transaction and statement. Bills are used to document business transactions when someone purchases commodities or other valuables. In order to facilitate the development, analysis, and printing of bills while managing the entire process, a billing system is required [1]. When people began making purchases in the medieval era, the billing system was established. The storekeeper used to maintain track of every item that was sold to a customer as well as the quantity of items that were kept in reserve [2]. They must manually enter all of the records in a record book. The bill serves a multitude of different functions in addition to serving as a transaction recorder. They control unnecessary spending and spend money only on what is necessary by using the data from their invoices, which they also use to grow their companies.

QuickBooks textbooks are widely used in colleges and universities to teach AIS [3]. The information systems that support accounting for manufacturing is not covered in these textbooks; instead, they instruct students on how same systems assist accounting for service and retail enterprises [4]. This Case is intended to be used as an addition to QuickBooks textbooks in AIS courses that exclusively use

QuickBooks to show students how information systems enable accounting for discrete (job order) manufacturing.

Software was created to manage the tracking of time and bills and to tell clients about the products and services they had purchased [5]. Software for billing can keep track of staff hours, the quantity of commodities produced, and project or customer-related costs. Billing reports can be generated by the majority of billing software programs. These reports can include data on hours spent, costs incurred, amount to charge consumers, amount owed to which clients for which goods, total investment, and monthly income.

II. LITERATURE REVIEW

Defossez [6] established innovative new company models that facilitate employment by offering a new kind of flexible working. Platforms are innovative tools, but they also deny workers' status, which puts food delivery drivers in hazardous jobs. With the exception of Spain, the present regulatory framework is inadequate and unable to provide platform workers with fundamental social rights. Delivery workers are battling for protection and recognition at the same time. As a result, courts are being asked more and more to ascertain the riders' legal standing.

Wagner et al [7] presented from the standpoint of the

user, this study adds to the growing body of knowledge about online retailing across electronic channels (e-channels, such as mobile devices) and e-channel touchpoints (e.g., mobile shopping apps). The authors provide an improved view of the online retailing environment based on the multichannel retailing approach and theoretical considerations. They confirm their multichannel e-commerce perspective through the use of both an experimental study (N = 126) and an online poll (N = 502). The findings underscore the need for a more nuanced understanding of "the online channel," as they show that online retailing may be divided into four e-commerce categories with distinct e-channel touchpoints.

Re Cecconi et al [8] When drafted, this kind of document can serve as the foundation for an organization's digital initiatives and serve as the basis for a request for proposals for a digital asset management system. A model framework, comprising tasks, decisions, and standards, for institutional digital asset management plans is presented in this research. Every component inside the framework is examined in broad, optimal-practice terms as well as in more detail, offering case studies and insights gained from the Corning Museum of Glass.

Lacy et al [9] This article investigates how accounting systems are used by various business kinds. Even though everyone is aware of the fundamentals of accounting, every firm has its own requirements. This essay addresses a wide range of sectors, outlining the software that businesses in each sector frequently utilize and how they apply it to fulfill particular business requirements. Numerous well-known software developers, including QuickBooks, Sage, NetSuite, and Oracle, provide various accounting software versions that businesses may customize to fit their needs across a range of industries. Businesses require an accounting system, whether it is used to manage merchandise using a POS system or to manage hotel reservations and stays using a PMS system.

Aaldering et al [10] presents a framework for analysis that combines collaborative filtering and principal component analysis (PCA) to suggest unexplored mergers and acquisitions (M&A) prospects. The approach is especially well-suited for recommending M&A candidates that might have the complementary knowledge resources needed to increase performance improvements. PCA was initially used in this study to identify important knowledge categories of organizations and to reduce the dimensionality of the original data. These findings allow for the identification of the firm's knowledge base's priority areas and possible knowledge requirements. Then, in order to generate recommendations, the collaborative filtering technique was applied to a company's knowledge portfolio, which is represented as a collection of SIC (standard industrial classification) codes.

III. PROPOSED METHODOLOGY

The proposed method uses, Shri Raghavendra Electricals was started in the year of 2009 and its was owned

by A. Dhandapani. and there was an among six members in the company to monitoring of the work and they are well experienced in their job.

In the time of using quickbooks they weren't aware of the tool and they were start to learn about it. At the time of learning they were known about the some of the term to implement to their company they are:

- Create, send & track invoice
- Keep track of bills & expenses
- Pay bills online
- Financial statements Manage payroll

QuickBooks provides user-friendly interfaces and step-by-step guidance to help you perform these tasks efficiently. Additionally, it offers various reporting options and real-time tracking of your financial data, providing valuable insights into your business's financial health. Also, for complex payroll needs, you may need to consider QuickBooks Payroll, which is an additional subscription service specifically designed for payroll management.

3.1. Current Study

Front End: HTML, CSS, JAVASCRIPT

On the Front -End, QuickBooks uses HTML, CSS, and JAVASCRIPT to create an intuitive for users. This allows users to easily navigate the software and perform tasks such as invoicing, inventory management, and financial reporting.

HMTL

HTML (Hypertext Markup Language) is a standard markup language used for creating web pages and applications. It provides a structure and format for displaying content on the World Wide Web. Here is a brief history of HTML:

1. **HTML 1.0:** The first version of HTML was introduced in 1991 by Tim Berners-Lee, the inventor of the World Wide Web. It allowed for the creation of basic text-based web pages with headings, paragraphs, and lists.
2. **HTML 2.0:** Released in 1995, HTML 2.0 added support for tables, image embedding, and form elements. It also introduced the concept of "frames" for dividing a web page into multiple sections.
3. **HTML 3.2:** Introduced in 1997, HTML 3.2 brought enhancements such as support for cascading style sheets (CSS) for improved page layout and formatting. It also included new elements and attributes.
4. **HTML 4.01:** Released in 1999, HTML 4.01 was a major revision that added more features and improved support for scripting and multimedia elements. It introduced support for iframes, scripting with JavaScript, and multimedia elements like audio and video.
5. **XHTML (Extensible HTML):** XHTML is a family of XML-based HTML versions that adhere to stricter XML syntax rules. XHTML 1.0 was released in 2000, combining the syntax of HTML

with the stricter rules of XML. XHTML 1.1 was introduced in 2001.

6. **HTML5:** HTML5 is the latest and most significant version of HTML. It was officially released in 2014 and brought significant improvements, including native support for multimedia elements (audio and video), canvas for graphics rendering, geolocation API, local storage, and more. HTML5 also introduced semantic elements like `<header>`, `<nav>`, `<section>`, and `<footer>`, providing clearer structure and meaning to web content.
7. **HTML5.1, HTML5.2, and Beyond:** Following the release of HTML5, subsequent versions such as HTML5.1 (2016) and HTML5.2 (2017) have been introduced, adding new features, elements, and APIs for developers to create more advanced web applications.
8. **Web Components and Custom Elements:** With the development of web standards, including the Shadow DOM and Custom Elements specifications, developers can now create their own reusable HTML elements with encapsulated styles and behaviors.

To integrate QuickBooks functionality into a website using HTML, you would typically utilize the QuickBooks API and incorporate the necessary HTML and JavaScript code. Here's a general outline of the steps involved:

1. **Set up QuickBooks API Access**
 - Visit the QuickBooks Developer website (developer.intuit.com) and create an account.
 - Create a new app and obtain the necessary API keys and access tokens.
2. **Include QuickBooks API JavaScript SDK**
 - Add the QuickBooks JavaScript SDK script to your HTML page using the script tag. Example: `<script src="https://www.intuit.com/intuit.ipp.anywhere.js"></script>`
3. **Initialize the QuickBooks API Client**
 - Initialize the QuickBooks API client with your app's client ID, client secret, and redirect URI. Example:

```
var client = intuit.ipp.anywhere.setup({ grantUrl: 'YOUR_REDIRECT_URI', clientId: 'YOUR_CLIENT_ID', clientSecret: 'YOUR_CLIENT_SECRET', environment: 'sandbox', redirectUri: 'YOUR_REDIRECT_URI' });
```
4. **Authenticate User**
 - Implement a login button or form that triggers the QuickBooks authorization process. Example: `<button onclick = "client.authorize ()">Log In with Quick Books </button>`
5. **Handle Authorization Callback**
 - Specify a callback URL to handle the authorization response from QuickBooks.

Example: `Redirect URL`

6. **Retrieve Access Token**
 - On the callback page, retrieve the access token and other necessary details from the URL parameters or through server-side code.
7. **Make API Requests**
 - Use the obtained access token to make API requests to QuickBooks, such as retrieving customer data, creating invoices, etc

CSS

CSS (Cascading Style Sheets) is a stylesheet language used for describing the presentation and formatting of a document written in HTML or XML. Here is a brief history of CSS:

1. **CSS Level 1:** The first version of CSS, known as CSS1, was introduced in 1996 as a recommendation by the World Wide Web Consortium (W3C). CSS1 provided basic styling capabilities such as font, color, and layout properties.
2. **CSS Level 2:** CSS2 was released as a recommendation in 1998 and brought significant improvements and new features to CSS. It introduced support for positioning, z-index, background images, borders, and more. CSS2 also introduced media types
3. **CSS Level 2.1:** CSS2.1 was a revision of CSS2 and became a W3C recommendation in 2009. It clarified and refined the specifications of CSS2, addressing inconsistencies and adding more precise definitions.
4. **CSS Level 3:** CSS3 is a modular approach to CSS, consisting of multiple separate modules, each covering specific styling aspects. The modules include selectors, box model, backgrounds and borders, typography, animations, transformations, transitions, and more. CSS3 has been released gradually, with each module reaching different levels of support in browsers.
5. **CSS Grid Layout and Flexbox:** CSS Grid Layout and Flexbox are significant additions to CSS3 that provide powerful layout capabilities. CSS Grid Layout allows for creating complex grid-based layouts, while Flexbox enables flexible and responsive layouts for one-dimensional alignment.
6. **CSS Preprocessors:** Alongside the evolution of CSS, CSS preprocessors like Sass, Less, and Stylus gained popularity. These preprocessors introduced additional features and functionalities, such as variables, mixins, nested rules, and modular code organization, making CSS development more efficient and maintainable.
7. **CSS Frameworks and Libraries:** As web development expanded, CSS frameworks and libraries emerged to provide pre-designed and reusable CSS components and styles. Examples include Bootstrap, Foundation, and Material-UI.

8. **Future of CSS:** The CSS Working Group continues to develop new modules and features as part of CSS4 and beyond. These include proposals for features like CSS Grid Layout Level 2, CSS Shapes, CSS Scroll Snap, and more, aiming to enhance layout, typography, animations, and interactivity.

When using QuickBooks as part of a web application, you typically don't have direct control over the styling of the QuickBooks interface itself. However, you can use CSS (Cascading Style Sheets) to customize the appearance of the surrounding web page or any elements you have control over. Here are a few ways you can use CSS with QuickBooks:

1. **Styling HTML Elements:** If you embed QuickBooks elements, such as forms or widgets, within your web page, you can use CSS to style those elements. For example, you can apply custom colors, fonts, margins, and padding to make them visually consistent with the rest of your website.
2. **Customizing Buttons and Links:** QuickBooks may provide buttons or links that trigger specific actions or workflows. You can use CSS to modify the appearance of these buttons and links, such as changing their background color, font style, or hover effects, to match your website's design.
3. **Adjusting Layout and Positioning:** If you incorporate QuickBooks components into a specific layout, you can utilize CSS to adjust their positioning, alignment, and size. This can help ensure that QuickBooks elements seamlessly integrate with your overall page layout.
4. **Creating Custom Themes:** While you cannot directly apply CSS to customize the QuickBooks user interface, you can design your web application with a consistent theme that complements the QuickBooks experience. By defining a cohesive color scheme, typography, and overall style using CSS, you can provide a unified visual experience to your users.

JAVA SCRIPT

JavaScript is a programming language that was created in the mid-1990s by Brendan Eich at Netscape Communications. Here is a brief history of JavaScript:

1. **Birth of JavaScript:** JavaScript was initially developed by Brendan Eich in 1995 at Netscape Communications. It was originally called "Mocha" and later renamed to "LiveScript" before finally settling on "JavaScript."
2. **JavaScript Standardization:** In 1996, Netscape submitted JavaScript to Ecma International, a standards organization, for standardization. The standardization effort resulted in ECMAScript, the official name for the JavaScript language specification. ECMAScript 1 was released in 1997, establishing the first standard version of the language.
3. **Browser Wars and DOM Manipulation:** During

the late 1990s and early 2000s, JavaScript gained popularity due to the "Browser Wars" between Netscape Navigator and Microsoft Internet Explorer. JavaScript became the primary language for client-side scripting and interacting with the Document Object Model (DOM) to dynamically manipulate web pages.

4. **AJAX and Web 2.0:** In the early 2000s, Jesse James Garrett coined the term "AJAX" (Asynchronous JavaScript and XML) to describe a technique that used JavaScript to send and retrieve data from the server without refreshing the entire web page. This technology enabled the development of more interactive and responsive web applications, leading to the era of Web 2.0.
5. **JavaScript Libraries and Frameworks:** With the growing complexity of web development, JavaScript libraries and frameworks emerged to simplify and streamline the process. Libraries like jQuery (2006) and frameworks like AngularJS (2010), React (2013), and Vue.js (2014) gained popularity, offering developers tools and abstractions to build dynamic and interactive web applications.
6. **Modern JavaScript (ECMAScript 5, 6, and Beyond):** ECMAScript 5 (ES5) was released in 2009, introducing several new features and enhancements to the language.
7. **ECMAScript 6 (ES6)** followed in 2015, bringing significant additions such as arrow functions, classes, modules, and improved syntax. Since then, new versions of ECMAScript have been released regularly, with features like `async/await`, destructuring, spread syntax, and more.
8. **JavaScript Outside the Browser:** As JavaScript became more versatile, it started being used outside of web browsers. Technologies like Node.js (2009) enabled JavaScript to run on servers, allowing developers to build full-stack applications using a unified language.

To interact with QuickBooks using JavaScript, you can utilize the QuickBooks JavaScript SDK (Software Development Kit) provided by Intuit. Here's an overview of how you can use JavaScript to integrate with QuickBooks:

1. **Set up QuickBooks API Access**
 - Create an account on the QuickBooks Developer website (developer.intuit.com) and set up a new app.
 - Obtain the necessary API keys, client ID, client secret, and redirect URI for your app.
2. **Include the QuickBooks JavaScript SDK**
 - Add the QuickBooks JavaScript SDK script to your HTML page using the script tag. Example: `<script src="https://appcenter.intuit.com/Content/IA/intuit.ipp.anywhere.js"></script>`
3. **Initialize the QuickBooks API Client**
 - Initialize the QuickBooks API client with your

app's client ID, client secret, and redirect URI.
 Example: `var client = intuit.ipp.anywhere.
 setup ({grant Url: 'YOUR_REDIRECT_URI',
 clientId: 'YOUR_CLIENT_ID', client Secret:
 'YOUR_CLIENT_SECRET', redirect Uri:
 'YOUR_REDIRECT_URI'});`

4. **Authenticate User**

- Implement a login button or form that triggers the QuickBooks authorization process. Example: `<button onclick ="client.
 Authorize ()">Log In with Quick Books
 </button>`

5. **Handle Authorization Callback**

- Specify a callback URL to handle the authorization response from QuickBooks. Example: `<a href="YOUR_CALLBACK_
 URL">Redirect URL`

6. **Retrieve Access Token**

- On the callback page, extract the access token and other necessary details from the URL parameters or through server-side code.

7. **Make API Requests**

- With the obtained access token, you can use JavaScript to make API requests to QuickBooks. This includes creating invoices, retrieving customer data, managing expenses, and performing other actions available through the QuickBooks API.
- Example: `client.request({url'https://quickbooks.
 .api.example.com/v3/company/123456/invoice',
 ,method:'GET', headers: {Authorization:
 'Bearer YOUR_ ACCESS_TOKEN'}},
 function(error, response) {// Handle API
 response});`

Back-End: JAVA, C++

On the back-end, Quickbooks uses programming languages such as Java and C++ to handle complex calculations and data management. These technologies work together to ensure that Quickbooks is both user-friendly and reliable.

JAVA

Java is a widely used programming language that was developed by James Gosling and his team at Sun Microsystems (acquired by Oracle Corporation in 2010). Here's a brief history of Java:

- 1. Creation of Java:** The development of Java began in the early 1990s, with the goal of creating a language that could be used to write software for consumer electronic devices. The project was originally called "Oak" and later renamed "Java."
- 2. Official Release:** Java 1.0 was officially released by Sun Microsystems in January 1996. It introduced features such as platform independence, object-oriented programming, automatic memory management (garbage collection), and built-in

support for network communication.

- 3. Applet Revolution:** Java gained popularity with the introduction of Java applets, which were small programs that could be embedded within web browsers. Applets allowed interactive content and animations to be displayed on web pages, sparking the "applet revolution."
- 4. Enterprise Java:** In the late 1990s, Java expanded its presence in enterprise development with the release of Java Enterprise Edition (Java EE). Java EE provided a comprehensive platform for building large-scale, distributed enterprise applications.
- 5. Java 2 and J2SE:** In 1998, Sun Microsystems released Java 2, which brought significant improvements and updates to the language. Java 2 Standard Edition (J2SE) included enhancements like the Swing GUI toolkit, Java Database Connectivity (JDBC), and improved performance.
- 6. Mobile Development with Java ME:** Sun Microsystems introduced Java Micro Edition (Java ME) in 2000, targeting mobile and embedded devices. Java ME allowed developers to create applications for feature phones and early smartphones.
- 7. Open Sourcing:** In 2006, Sun Microsystems open-sourced Java under the GNU General Public License (GPL) as the OpenJDK project. This move fostered community involvement and allowed different organizations to contribute to the development of Java.

To integrate QuickBooks functionality into a Java application, you can utilize the QuickBooks Java SDK provided by Intuit. Here's an overview of how you can use Java with QuickBooks:

1. Set up QuickBooks API Access

- Create an account on the QuickBooks Developer website (developer.intuit.com) and set up a new app.
- Obtain the necessary API keys, client ID, client secret, and redirect URI for your app.

2. Add QuickBooks Java SDK Dependency

- Include the QuickBooks Java SDK dependency in your project's build configuration. You can typically do this by adding the SDK's Maven or Gradle dependency to your project.

3. Initialize the QuickBooks API Client

- Instantiate the QuickBooks API client using your app's client ID, client secret, redirect URI, and other necessary configuration parameters.

4. Authenticate User

- Implement an authentication flow where the user can authorize your application to access their QuickBooks data. This typically involves redirecting the user to the QuickBooks authorization URL and handling the authorization callback.

5. Retrieve Access Token

- Once the user authorizes your application, retrieve the access token and other necessary details from the authorization callback response. These tokens will be used for subsequent API requests.

6. Make API Requests

- Use the QuickBooks Java SDK to make API requests to interact with QuickBooks. This includes creating invoices, retrieving customer data, managing expenses, and performing other actions available through the QuickBooks API. Example: `InvoiceApi invoice Api = new Invoice Api (); invoiceApi.create Invoice (access Token, realmId, invoice Data);`
7. The specific API calls and data structures will depend on the actions you want to perform and the QuickBooks API resources you are working.

C++

C++ is a general-purpose programming language that was developed as an extension of the C programming language. It was created by Bjarne Stroustrup in the early 1980s at Bell Labs. C++ is known for its efficiency, flexibility, and the ability to perform low-level programming while also supporting high-level abstractions.

- Object-Oriented Programming (OOP):** C++ is an object-oriented language, which means it supports the concepts of classes and objects. It allows programmers to define custom data types (classes) with their own properties (attributes) and behaviors (methods).
- Classes and Objects:** In C++, classes are blueprints for creating objects. Objects are instances of classes, and they encapsulate data and behavior together. OOP enables code reusability and modularity.
- Inheritance:** C++ supports inheritance, which allows a class to inherit properties and behaviors from another class. This promotes code reuse and allows for hierarchical relationships between classes.
- Polymorphism:** C++ supports polymorphism, which allows objects of different classes to be treated as objects of a common base class. This allows for dynamic binding and method overriding.
- Templates:** C++ introduces templates, which are used to create generic classes and functions. Templates enable writing code that can work with different data types.
- Standard Template Library (STL):** The STL is a collection of template classes and functions in C++. It provides useful data structures (e.g., vectors, lists, queues) and algorithms (e.g., sorting, searching) that can be easily used by developers.
- Performance:** C++ is considered a high-performance language because it provides direct memory access and allows developers to control

hardware resources efficiently.

QuickBooks Desktop has a long history, and it originated as a C++ application. Over the years, Intuit, the company behind QuickBooks, has continued to enhance and maintain the software's core using C++. C++ offers several advantages that make it suitable for developing desktop applications like QuickBooks Desktop, including:

- Performance:** C++ provides low-level memory control and efficient code execution, making it ideal for applications that require high performance and responsiveness.
- Direct Hardware Access:** C++ allows developers to access hardware resources directly, which can be beneficial for tasks like interacting with printers, peripherals, and other system-level operations.
- Cross-Platform Support:** C++ is a portable language, allowing QuickBooks Desktop to be developed and run on various operating systems, including Windows and macOS.
- Existing Codebase:** As QuickBooks has evolved over the years, it's likely that a significant amount of the software's codebase was initially written in C++, making it more practical to continue using the same language for ongoing development and maintenance.

IV. RESULT AND DISCUSSION


4.1. Input Screen

Create, Send & Track Invoices

All QuickBooks Online plans allow you to create invoices and either print them or email them to customers—you can learn how to do this through our tutorial **How To Create and Send Invoices in QuickBooks Online**. QuickBooks will record the income and track how much each customer owes you automatically. You can view the number of your outstanding invoices—known as your accounts receivable (A/R)—and how many days they're overdue by running an A/R aging report. You can also create an invoice from scratch or by converting an existing estimate into an invoice. Then, customize the invoice by changing the color and adding your company logo.

Paul's Plumbing
228 1/2 11th Ave N
Texas City, TX 77590 US
mcoetera@fit-smallbusiness.com

Invoice



BILL TO

Debbie Cole
Cole Home Builders
7685 Dead End Rd.
Stoneville, CA 97865

SHIP TO

Debbie Cole
Cole Home Builders
Cole Home Builders
7685 Dead End Rd.
Stoneville, CA 97865

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
71197	09/15/2022	USD 300.00	10/15/2022	Net 30	

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	Ceiling fixtures	Ceiling fixture installation	1	300.00	300.00
Thank you for your business!					
				SUBTOTAL	300.00
				TAX	0.00
				TOTAL	300.00
				BALANCE DUE	USD 300.00

Figure 1 - Track Invoice

Keep Track of Bills & Expenses

QuickBooks keeps track of your bills and expenses automatically by **connecting your bank and credit card accounts to QuickBooks** so that all of your expenses are downloaded and categorized. If you need to track a check or cash transaction manually, you can record it directly in QuickBooks in a few minutes. You can also **enter bills into QuickBooks** when you receive them so that QuickBooks can help you track upcoming payments. You can ensure that you pay your bills on time by creating an accounts payable (A/P) report. This report will provide your current and past-due bills. The ability to pay bills and track unpaid bills is available in QuickBooks Essentials and higher plans.

Paul's Plumbing
A/P Aging Summary
As of September 15, 2022

	CURRENT	1-30	31-60	61-90	91 AND OVER	TOTAL
123 HVAC & Plumbing Supply					-1,000.00	\$ -1,000.00
123 Plumbing Supplies					840.00	\$840.00
123 Plumbing Supply				-1,600.00		\$ -1,600.00
Automobile Insurance Compa...	300.00					\$300.00
Business Supply Center					-700.00	\$ -700.00
Cecil's Lockworks			2,720.00	2,600.00		\$5,320.00
Electronics Manufacturer					75.00	\$75.00
Foster Lighting					-4,200.00	\$ -4,200.00
Novello Lights Magazine					-3,600.00	\$ -3,600.00
TOTAL	\$300.00	\$0.00	\$0.00	\$1,120.00	\$ -5,985.00	\$ -4,565.00

Thursday, September 15, 2022 04:49 PM GMT+08:00

Figure 2 - Track of Bill & Expenses

Pay Bills Online

The user can **pay bills online in QuickBooks** using the online bill payment feature. Available in QuickBooks Online Essentials and higher plans, QuickBooks Online Bill Pay allows you to pay bills via bank transfer or check directly from QuickBooks in a few seconds and pay several bills at once. It also allows you to pay any vendor or supplier with a credit card. QuickBooks Online Bill Pay is integrated with QuickBooks Essentials, Plus, and Advanced.

ABC PARTNERSHIP			
Schedule of Safe Payments to Partners			
	Art 60%	Bru 20%	Chou 20%
Schedule 1: January 31, 20X1			
Capital Balances	(72,200)	(106,400)	(70,400)
Possible loss on non cash assets	121,500	40,500	40,500
	49,300	(65,900)	(29,900)
Absorption of Art's Potential Deficit Balances	(49,300)		
Bru (49,300 × 2/4)		24,650	
Chou (49,300 × 2/4)			24,650
Safe Payment, January 31, 20x1		(41,250)	(5,250)
Schedule 2: February 27, 20X1			
Capital Balances	(69,500)	(64,250)	(64,250)
Possible loss on non cash assets	118,800	39,600	39,600
	49,300	(24,650)	(24,650)
Absorption of Art's Potential Deficit Balances	(49,300)		
Bru (49,300 × 2/4)		24,650	
Chou (49,300 × 2/4)			24,650
Safe Payment, February 27, 20X1			

Figure 3 - Pay Bills Online

Financial Statements

By managing all of your cash inflow and outflow activities in QuickBooks, you can print financial statements that provide useful information about how your business is performing. Lenders often require financial statements when you apply for a small business loan or line of credit. You can produce three primary financial statements in QuickBooks: Profit and Loss report, Balance Sheet report, and Statement of Cash Flows. Below is a brief description of each, along with a snapshot of what they look like in QuickBooks Online.

Paul's Plumbing
Profit and Loss
January 1 - September 15, 2022

	TOTAL
Income	
4100 Revenue	14,070.50
Billable Expense Income	0.00
Discounts given	-6.40
Markup	518.50
Total Income	\$14,582.60
Cost of Goods Sold	
5000 Purchases (Cost of Goods)	6,258.00
Cost of Goods Sold	10.80
Total Cost of Goods Sold	\$6,268.80
GROSS PROFIT	\$8,313.80
Expenses	
6115 Bank Service Charges	745.00
6120 Business License & Fees	340.00
6130 Car/Truck Expense	1,100.00
6132 Gas	90.00
6138 Insurance-Auto	420.00

Figure 4 - Profit & Loss

Paul's Plumbing
Balance Sheet
As of September 15, 2022

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	\$45,265.53
Accounts Receivable	\$4,283.60
Other Current Assets	\$14,676.55
Total Current Assets	\$64,225.68
Fixed Assets	
1535 Building	95,000.00
Total Fixed Assets	\$95,000.00
TOTAL ASSETS	\$159,225.68
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2010 Accounts Payable	-4,565.00
Total Accounts Payable	\$ -4,565.00

Figure 5 - Balance Sheet

Manage Payroll

Payroll is an area that you don't want to skimp on and try to do manually. Mistakes made in calculating paychecks can result in steep penalties and unhappy employees. QuickBooks has its own payroll function that can calculate and run payroll as often as you need automatically. When you enter employee time as discussed above, the hours not only flow to your invoices but also to the payroll module. The best thing about using QuickBooks Payroll is that it's integrated with QuickBooks, so your financial statements are always up to date as of the latest payroll run. You have to purchase a QuickBooks Payroll subscription to run payroll, but you have several levels of service to choose from to fit your needs. Running your payroll through QuickBooks will allow you to:

- Pay employees with a check or direct deposit
- Calculate federal and state payroll taxes automatically
- Have QuickBooks fill in the payroll tax forms for you
- E-pay your payroll taxes directly from QuickBooks

4.2. Table Screen

1. Column Headers: The table screen in QuickBooks starts with column headers that define the data being displayed. Each column represents a specific attribute or field of the data. For example, in an invoice table, you may have column headers such as "Invoice Number," "Customer Name," "Date," "Total Amount," and so on.

2. Rows: Each row in the table corresponds to a record or entry in the data set. For instance, in an invoice table, each row represents a specific invoice. The rows contain the actual data for each column, filling in the information for each attribute of the record.
3. Row Selection: QuickBooks allows users to select individual rows or multiple rows within the table. This selection feature is useful for performing actions on specific records, such as editing, deleting, or processing transactions.
4. Sorting and Filtering: QuickBooks provides options to sort the data in the table based on specific columns, allowing users to arrange the records in ascending or descending order. Additionally, filtering options enable users to narrow down the displayed data by applying criteria or conditions to specific columns.
5. Pagination: In cases where the data set is extensive, QuickBooks implements pagination to divide the records into pages. Pagination controls, typically located at the bottom of the table, enable users to navigate through different pages of data.
6. Customization: QuickBooks often offers customization options for the table screen. Users can often choose which columns to display or hide, adjust column widths, and rearrange the order of columns based on their preferences or specific reporting needs.

4.3. Output Screen

Its user-friendly interface and robust features make it a popular choice for managing accounting and financial processes. Here are some of the primary usages of QuickBooks:

Bank Reconciliation

QuickBooks allows easy reconciliation of bank accounts. This helps in identifying any discrepancies between the company's records and the bank statements, ensuring accurate financial reporting.

Kornett Company		
Bank Reconciliation		
December 31, 20Y5		
Balance as per statement at December 31		283,000
Add: Deposit in transit		29,500
Deductions: Checks outstanding		68,540
Adjusted balance		243,960
Balance as per ledger at December 31		245,410
Less: Bank service charge	750	
Error in recording in check (12,700 - 12,000)	700	
Total Deductions		1,450
Adjusted balance		243,960

Figure 6 - Bank Reconciliation

Time Tracking

QuickBooks Time allows you to pull employee data for payroll and invoicing, keep track of employee tasks and schedules, and automatically remind employees to clock in or out.

For companies that bill clients based on hourly rates, QuickBooks offers time tracking features. Employees can log their hours, and the software can automatically add billable hours to customer invoices.

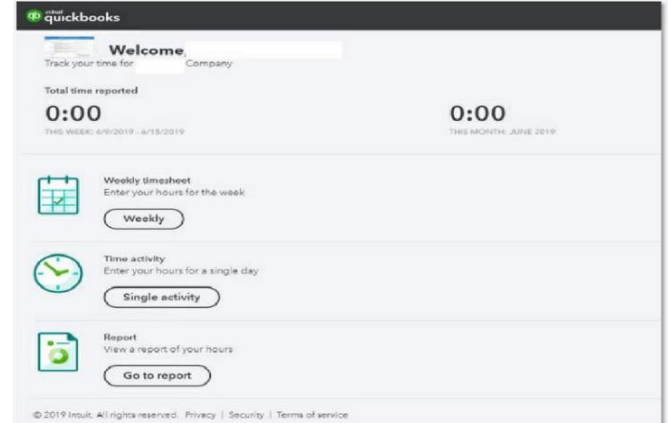


Figure 7 - Time Tracking

Access accurate employee time tracking for precise invoices and painless payroll. The QuickBooks Workforce mobile app puts employee time data at your fingertips. Paper timesheets can't show you who's working, but QuickBooks Time can. Track time using the devices your employees already have.

Inventory Management

Quickbooks Inventory Management Software organizes your inventory and makes it easy to find products and services. You can track inventory on hand, get alerts for reorder levels, and get insights on what you buy and sell. With Quickbooks stock management software, you can enter non-inventory products and services.

If the electrical company deals with inventory, QuickBooks can help with tracking stock levels, reorder points, and cost of goods sold. This is especially useful for companies that sell electrical supplies or equipment.

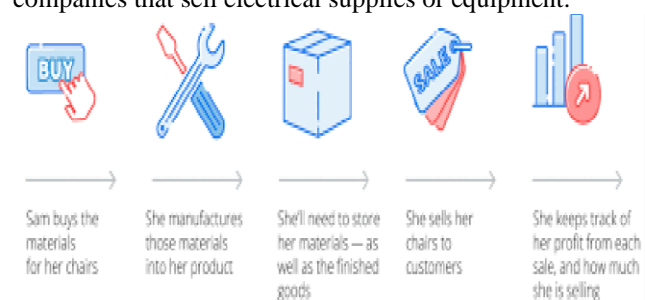


Figure 8 - Inventory Management

V. CONCLUSION

Thus, I undergone the training and learnt about the “Quickbooks using Accounting Software”, its usage. I learnt how the Cloud-based accounting software works & its design in both backend and front end. I learnt about both the existing system and its disadvantages. And I also learnt about the present system and how the present system has brought a lot of changes and reduced man work.

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