

Dairy Management System

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Abstract— The Dairy Management System provides features to Create Account of customer or traders, Add Credit module to credit amount, Add Debit to debit amount, Passbook and Reports. These features are provided to admin, for customers as well as traders. The customer creates the account in Add Credit module the amount will be credited in the account of customer. In Add Debit module the customer can pay instalment amount for credited amount as well as he can track their transactions in Passbook can generate and print reports for the particular customer or overall income report. In the same way system keeps the record for traders and can generate and print reports for the particular trader or overall outcome report. The system is easy, user friendly and a smartly way to manage their income and outcome. Admin Customer and Trader System Database Interest is taken as a payment from a borrower to a depositor of an amount for above repayment of the principle sum (i.e., the amount borrowed), at a particular rate. It is distinct from dividend which is paid by a dairy owner from its profit, and no particular rate is decided beforehand. Interest may be part or the whole of the profit on an investment, but the two concepts are distinct from each other from the accounting perspective.

Keywords: Dairy Management System

I. INTRODUCTION

Peoples plan for their future, including their future finance. Middle class consumers do not have enough time to manage their personal finance. Some of them are not able to manage their income and outcome. Although they realize that they need advice from the advisor, they do not want to pay the personal finance advisory services, because it's cost relatively expensive. They need easy and quick money management services. Financial planning solutions that are practical and comprehensive become a necessity for the middle class, to fulfill the needs of personal finance software, which it will become solution for the customer. The finance software has five main features Create Account, Add Credit, Add Debit, Passbook & Reports. This features are provided for customers and traders, so for customer, first account of that customer must be created then in Add Credit the amount will be credited in that customer account. In Add Debit the customer can pay installment amount for credited amount as well as he can track their transactions in Passbook & can generate or print reports for the particular customer or overall income report. In the same way we can keep the record for traders and can generate or print reports for the particular trader or overall outcome report. The software is easy, user friendly and smart way to manage their income and outcome.

II. PROBLEMS OF EXISTING SYSTEM

Traditional accounting involves the use of paper ledgers and journals to record financial transactions. These tools are from a bygone era. Accountants would use manual accounting to help keep financial score for their business. Businesses today may still use manual accounting for some processes.

Disadvantages, however, can weaken manual accounting activities. Accounting processes that use paper journal and ledgers or similar tools requires copious time to complete tasks. Accountants will need to locate accounts and journals in the system prior to recording entries. Checking account balances and reviewing information is also difficult. Accountants may also need to rifle through multiple documents to locate information requested by executives. Copying this information can also be difficult. A lack of security is another common disadvantage to manual accounting. Errors can be quite frequent in manual accounting processes. Common errors are entering information into incorrect accounts, transposing figures or recording information backwards. While these errors are also in modern accounting systems, manual systems have no internal checks and balances. Accountants researching errors will often spend several hours to locate and correct entries. Multiple accountants working in several manual accounting ledgers can exacerbate these problems.

III. SYSTEM ARCHITECTURE

The application makes the individual person to manage their financial records on single click of button.

First Application needs to be installed on user's computer or laptop. User needs to logs into the application by providing valid credentials. Valid credential include username and password, if the username and password is correct, the user see the dashboard. The Dashboard displays the menu for every type of functionality provided in the application. It also has the functionality of Backup and Restore to prevent unwanted data loss.

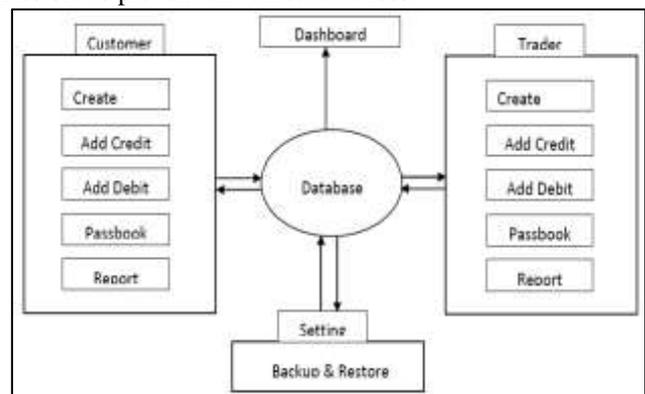


Fig. 1: System Architecture

IV. MODULES

- 1) Login
- 2) Add Customer
- 3) Add Credit
- 4) Add Debit
- 5) Passbook
- 6) Report

A. Login

The login module takes credentials from user as user names and password. These credentials are sent to the SQL Server for authentication. The server checks whether these credentials are correct or not. If they are correct the user will be redirected to next page, otherwise error message is shown.

B. Add Customer

Add Customer Allows user to add new customer in their list. To add new customer user needs to fill all the details, details include Date, Name, Mobile No, Customer Id, and Address. If there is customer already exist then it will gives message “customer is already exist”. When user clicks on Add credit button on Add customer page it will redirect to Add credit page.

C. Add Credit

Add credit option allows user to add credit to selected customer. To add credit on particular customers account user needs to select customer from drop down list, when user select customer from drop down list it will show Balance Amount remaining to that customer, then user needs to enter credit amount and interest rate then it will shows Total Amount to user by adding remaining balance amount and credit amount with interest rate.

D. Add Debit

Add debit option allows user to add debit to selected customer. To add debit on particular customer account user needs to select customer from drop down list, when user select customer from dropdown list. User needs to enter Payment amount and reason then payment amount is debit from remaining balance amount and Total balance is displayed to the customer.

E. Passbook

Passbook allows user to display all transactional details of selected customer. When user select customer from drop down list, it will fetch data for selected customer along with their customer ID from database and display all transactional details to user.

F. Report

Report section allows user to see all the transactional details of customer. Report section is divided into two parts individual reports and all reports. In individual reports user needs to select customer from drop down list and it will fetch the data for selected customer from database and display all transactional details are displayed to user. In all report section all the customer name along with total credit amount, total debit amount and total balance is displayed.

V. IMPLEMENTATION

This desktop application provides an easy mean for user to remain updated about their customer and trader account details. First Dairy Management System needs to be installed on user’s computer or laptop as well as we needs to install SQL server 2014 on users machine. By default one username and password has been provided to user to enter into system.

After the application is successfully installed on the machine, after clicking on the application, the following login screen will appear.



Fig. 2: Login Page

If the credentials are correct, the following screen will be displayed. From which appeared menu user can select particular menu and perform operation.



Fig. 3: Dashboard

After clicking on particular menu certain operation will be performed. If user wants to create customer account following screen will appear.



Fig. 4: Create Account

If user wants to add credit to a particular customer account then following screen will appear and user needs to select customer name from drop down list and enter credit amount.



Fig. 5: Add Credit

If user wants to add debit to a particular customer account then following screen will appear and user needs to select customer name from drop down list and enter debit amount.



Fig. 6: Add Debit

If user wants to see all the transaction or past history of customer then user needs to click on passbook menu it will show all the details of transaction of selected customer.



Fig. 7: Passbook

If user selected Report menu then it will have two options Individual Report and All Report. In individual Report section user needs to select customer name, after

selecting customer name all details will appear in front of user and in All Report section all Records will appear.



Fig. 8: Customer Individual Report



Fig. 9: Customer All Report

When user clicks on Setting Button it will show to options Change Password and Backup and Restore. If user wants to change Username and Password then it will click on Change Password Button.



Fig. 10: Change Password

To prevent unwanted data loss we provided backup and restore functionality. When user clicks on Backup and Restore button following screen will appear.



Fig. 11: Backup and Restore

VI. CONCLUSION

When time is money, whether you have a lot or little, everyone needs to manage their money. You need software that makes it easy to take the right action. So Dairy Management System allow user to build accurate, helpful financial reports easily on a quarterly, monthly or more regular basis. Manage accounts, general ledger keep track of payables and much more. Automated features optimize all accounting functions and generate financial documents accurately and efficiently. Accounting offers you a flexible, easy to use advanced fund-accounting solution with the controls to maintain accounting integrity and balance entry. Personal financial software can help you master the basics, become more efficient at managing your money, and even help you discover ways to meet your long-term financial goals. Dairy Management System is made for Small business or personal use to give opportunity to finance teams or a person the opportunity to control and grow the business.

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