

Online Finance Accounting System

**A PROJECT
ON**

Online Finance Accounting System

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Semester 3-A

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System Analysis and Design

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1. Introduction

1.1. Purpose

To accumulate and report on financial information about the performance, financial position and cash flow of a business. This information is then used to reach the decision about how to manage the business or invest in it or lend money to.

1.2. Scope

This system is a web based (online) Accounting & financial management system. Provided via the concept of Software As a Service (SaaS). This system is used by personal, low-end market and mid-end market.

2. System Analysis

2.1. Identification of Need

In Existing Systems, accounts are managed manually while in our system it has been done online and it is automatically.

Using this system, company's accountant just has to upload their company data online in our website and their reports will be generated.

This system will help the CEO of the company to take the financial decision of his/her company.

2.2. Functionalities

- **Functional Requirements**

- **General Ledger Module:** Financial data is required for creating the general ledger by the user.
- **Chart of Accounts Module:** The chart of accounts uses a series of codes to identify assets, income, expenses, and equity being tracked by the accounting system.
- **Trial Balance Module:** The trial balance is used to create all other financial statements, including the balance sheet, income statement and cash flow statement.
- **Balance Sheet Module:** The balance sheet is used to create reports on cash flow, budgets and conduct other financial analysis of the business's financial condition.
- **Accounts Receivable Module:** The accounts receivable module handles the invoicing of customers and processing of customer payments.

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- **Accounts Payable Module:** The Accounts Payable module tracks money due to vendors, discounts, and payment terms for all invoices.
- **Sales Module:** The Sales Module provides in-depth insight into the main business processes of sales and distribution.
- **Reports:**
 - Profit/Loss reports
 - Sales Report
 - Sales by customer
 - Sales by Product
 - Expense Report
 - Expense Detail
 - Supplier Detail
- Accountant
 - General Ledger
 - Trial Balance
- **Non-Functional Requirements**
 - User Friendly
 - Security
 - Performance
 - Maintainability
 - Availability
- **Distinct Functionality:**
 - Live chats with users.
 - Sign-up with Google Account
 - DSS Report Generation

2.3. User Characteristics

- **Admin:**
 - Can keep track for the System.s
 - Can able to view registered company details.
- **Company Accountant:**
 - Will able to manage entries of sales module, expense module and accounting module.
- **CEO of the Company:**
 - Can manage employee details.

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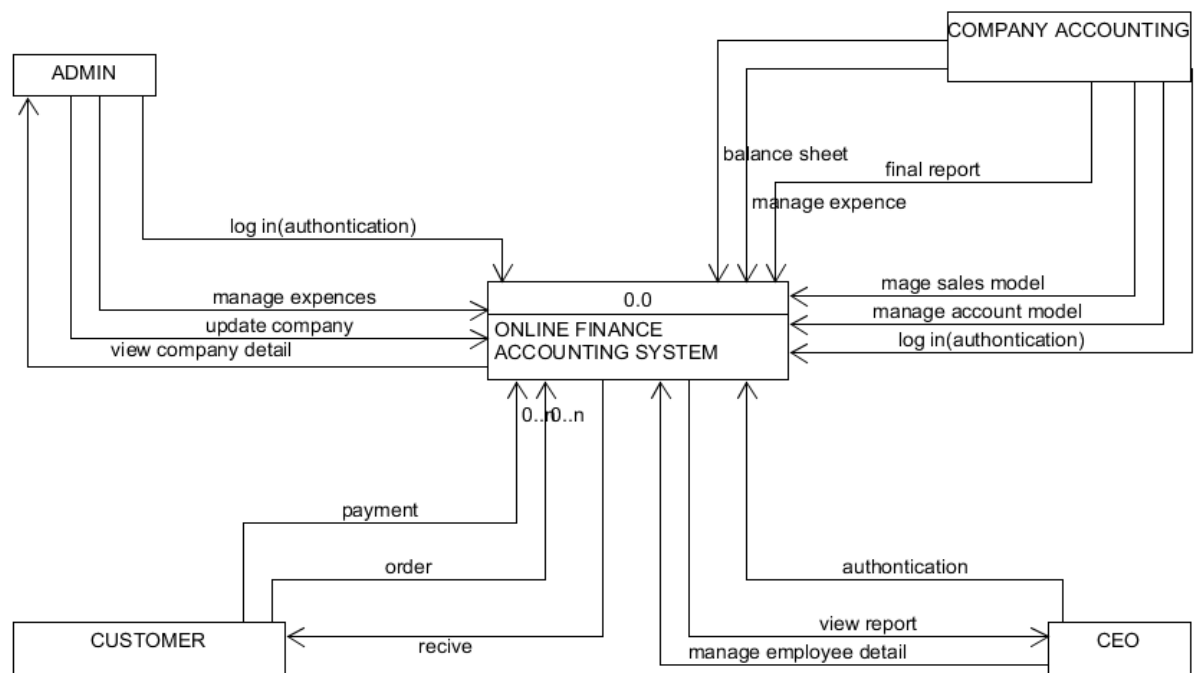
- View statistically reports of Company as below and make decision accordingly.

2.4. Constraints and Assumption

- Cost of Training
- Disruption
- System Failure
- Inability to check unanticipated error.

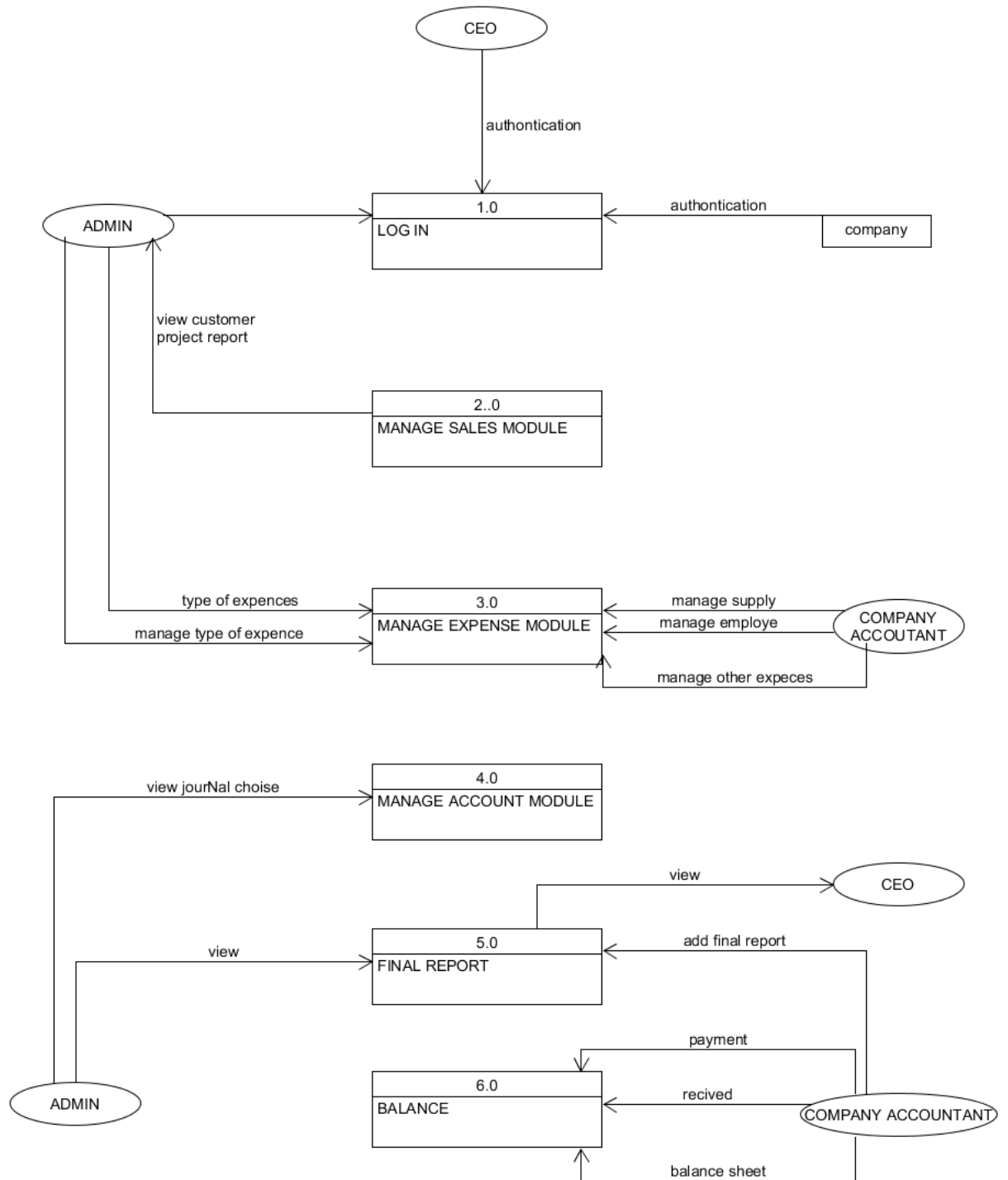
3. DFD(data flow diagram)

3.1. (context level)



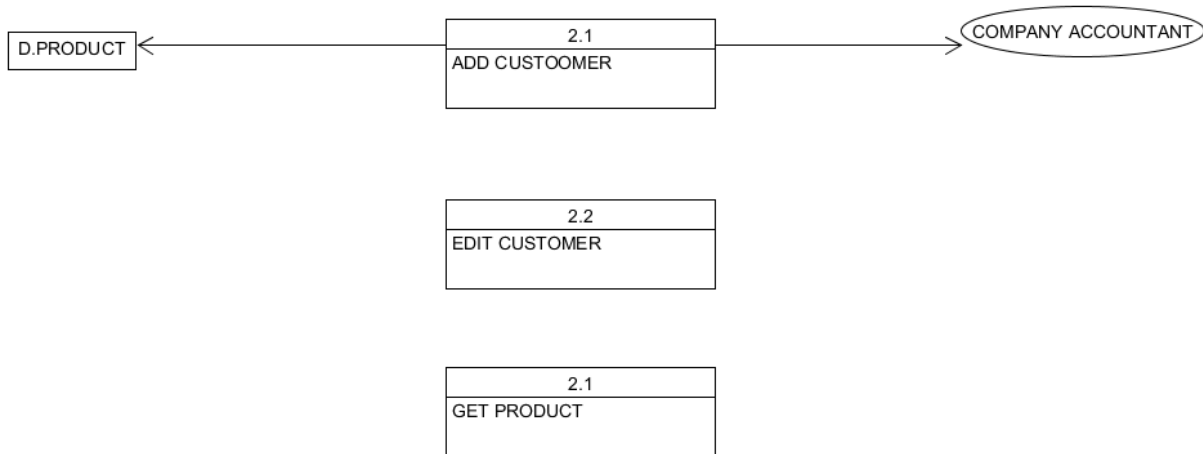
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3.2. (zero level diagram)



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3.3. (first level diagram)



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4.Event response tables:

Event	Response	Trigger	Activity	Response	Destination
Login	user	user's Id Password	Store user's record and password	Providing the actual Web page to user	user
Check	user	Transaction information	Check whether the transactions are available according to requirements	Showing Availability	user
Completing payment	user	Doing payment	Make transaction in whichever quota user want	Confirming transaction	user
Payment	user	Make Payment	Making payment of confirmed payment	Confirming payment	Administrator
Receiving payment	Administrator	transaction Generation	Mailing or sending Hard copy of complete transaction	Sending detail of transaction to user	user

5.Questionarie (pyramid)

1. Have your system doing work for one company or more then one?(scalar)
2. Do you want to provide different languages in which your system can be used? (Bipolar)
3. Budget for making system? (Scalar)
4. How many number of transaction can be booked at a time? (Scalar)
5. Working time? (Scalar)
6. Do you want to generate mail of confirming the transaction? (Probe)
7. Who is going to use this system? (Close Ended)
8. Can rules and regulation be viewed by user on screen? (Open Ended)
9. What led you to make this system? (Open Ended)
10. Any additional facilities to be given to user? (Open Ended)
11. What kinds of information are required to log in or register in the system? (Open Ended)
12. Do you want to make feedback section in your status?(bipolar)
13. How many number of transaction can be done at a time?(scalar)
14. If any transaction can be done by user is it convey in history of admin?(close ended)
15. Which type of security you want?(open ended)

6. Process specification forms:

: -Process specification for

Process Specification Form		
Number	: <u>2.1</u>	
Name	: <u>Registration Verification</u>	
Description	: <u>To verify Registered Details</u>	
INPUT DATA FLOW Dealer GST Number		
OUTPUT DATA FLOW Update the Client as "Tax Payee"		
TYPE OF PROCESS <input checked="" type="checkbox"/> ONLINE <input type="checkbox"/> BATCH <input type="checkbox"/> MANUAL		
PROCESS LOGIC IF GST Number verified online Then Set Client Category as "Tax Payee" Else Alert "GST Number Not found"		
REFER TO : NAME <input checked="" type="checkbox"/> STRUCTURED ENGLISH <input type="checkbox"/> DECISION TABLE <input type="checkbox"/> DECISION TREE		
UNRESOLVED ISSUES:		

7. Data Dictionary:

user type=

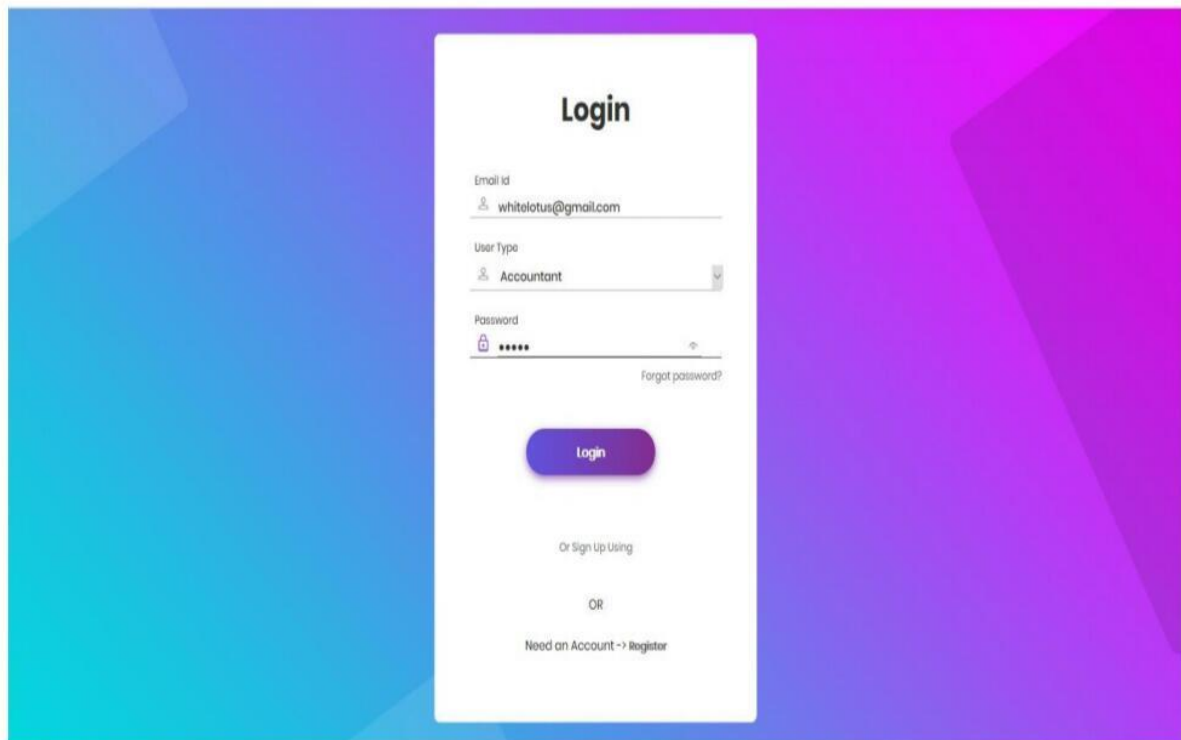
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	user type id+
user type company master=	company id+
	company name+
	email+
	password+
	contact no+
	user type id+
	status+
	bankaccoutno+
	accont type
customer=	customerid+
	customername+
	email+
	contactno+
	productid+
employee=	employeeid+
	employeename+
	email+
	salary+
	contacno+
	status+
	address+
	gender+
Product Category=	CategoryId+
	CategoryName+
Product=	Productid+
	Productname+
	Productcategoryid+
	price+
	Description+
	MfgDate+
	Stock+
Sales=	Salesid+
	ProductId+
	SoldUnit+
	Amount+
	CustomerId+
	SalesDate+
	Status+
Account=	Accountid+

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Accountname+
Accounttype+
Account type=
Accounttypeid+
Accounttype+
Balance Sheet=
JournalId+
ReferenceId+
EntryDate+
Notes+
Amount+
Status+

8. output form:



The image shows a login form for the Online Finance Accounting System. The form is centered on a white background with a blue and purple gradient. It includes fields for Email id, User type, and Password. The Email id field contains the text "whitelotus@gmail.com". The User type field is a dropdown menu with "Accountant" selected. The Password field is masked with six dots. Below the password field is a "Forgot password?" link. A blue "Login" button is positioned below the password field. Below the button is the text "Or Sign Up Using". Below that is the text "OR". At the bottom is the text "Need an Account -> Register".

Login

Email id
whitelotus@gmail.com

User type
Accountant

Password

[Forgot password?](#)

Login

Or Sign Up Using

OR

[Need an Account -> Register](#)

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Product



	Id	Product Name	Product Category	Description	Stock	Manufacturing Date	Price
Edit Select	2	Cello Pencil	1	It is a black colored mechanical pencil with 0.7 HB lead	5000	07/12/2018	10

9: input form:



Sign Up

Company Name

Company Name..

Email

Email address..

Bank Account Number

Bank Account Number..

Bank Account Type

---SELECT---

Contact Number

Contact Number..

Password

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Accountant

GENERAL

Home

Sales

Expense

Accounts

Log Out

Add Employee

Employee Name*

harshil jani

Date Of Birth*

11/20/1999

Gender*

☒Male ☐Female

Contact Number*

7046351998

Email*

harshil00@gmail.com

Address*

Patel Faliyu Sachin gam

Designation*

Sales Manager

Hire Date*

1/31/2015

Salary*

51000

Add

Reset

Cancel

Type here to search

Search in google.com

12:23 PM
4/3/2019

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