



# Bachelor of Computer Applications (BCA) Programme

## Project Report

BCA Sem V  
AY 2018-19

*<Topic Title: Accounts++>*

*by*

Exam No.	Name of Student
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Project Guide by :  
**Nidhi Desai**



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### **1. Introduction**

Accounts++ is simple online accounting application. It is useful for companies to record their account. It allows different types of accounting entries eg. Sales,purchase,cash,Journal entries... etc. User can see final status of their origination using final accounting statements like Balance sheet and Profit & Loss account.

#### **1.1 Abstract**

Accounts++ is web application built with ASP.NET Framework. User can register their company and then he/she can record their companies accounts securely. It provide accounting in same way as it was being done traditionally. Accounts++ provides different types of transaction entries which fulfill all the requirements of financial accounting system.

1. Sale Entry
2. Purchase Entry
3. Sale Return Entry
4. Purchase Return Entry
5. Income Entry
6. Expanse Entry
7. Cash Transaction Entry
8. Journal Entry (All other types of entries)

It also provide following reports which are very useful for analysis.

1. Sale Book
2. Purchase Book
3. Sale Return Book
4. Purchase Return Book
5. Cash Book
6. Income/Expanse Report
7. Ledger Reports

It also provide final account reports.

1. Trial Balance
2. Trading and Profit & Loss Account
3. Balance Sheet



### 1.2 Scope & Objective

#### **Scope:**

Scope of this project is in accounting system of company. Every small/big company keeps accounts. This online application provide some simple accounting for small companies with ease of use and no complexity.

#### **Objective:**

1. Keep record of all Financial transactions.
2. Maintain Accounting Accuracy.
3. Provide Accounting Reports for better analysis.
4. Gives Idea of company's financial status by providing final accounts.



### **2.Requirement Analysis**

#### **2.1 Requirement Gathering.**

**Terms Used:**

- Account: it is a record in the general ledger that is used to collect and store debit and credit amounts. Sometimes it is also Called Ledger.

Following Requirements are gathered for our Accounting Application “Accounts++” by analyzing accounting application available in market.

1. System Should allow Recording financial transactions for financial year.
2. User should be allowed to create/update/delete Accounts(Ledgers) as needed.
3. System must follow basic rules of financial accounting system. eg. there must be three types of accounts (Personal Accounts, Real Accounts and Profit & Loss Accounts) and System must follow rules for particular account.
4. System should be able to record transactions accurate.
5. System should be able to record all types of transactions which are financial transactions.
6. System should keep subsidiary books like Purchase Book, Sales book etc..
7. System should be able to generate proper invoice on particular transaction. This invoice should be generated when it is demanded.
8. System should keep track of Inventory purchased and sold.
9. System must provide Ledger report when needed.
10. System must provide Final account Reports. Which are Balance Sheet, Profit & Loss account.

#### **2.2 Requirement Analysis.**

After Analyzing requirements gathered above We can satisfy all of above requirements except Requirement No. 8 “System should keep track of Inventory purchased and sold”. This requirement will need extra cost and time which are not allowed for this project.

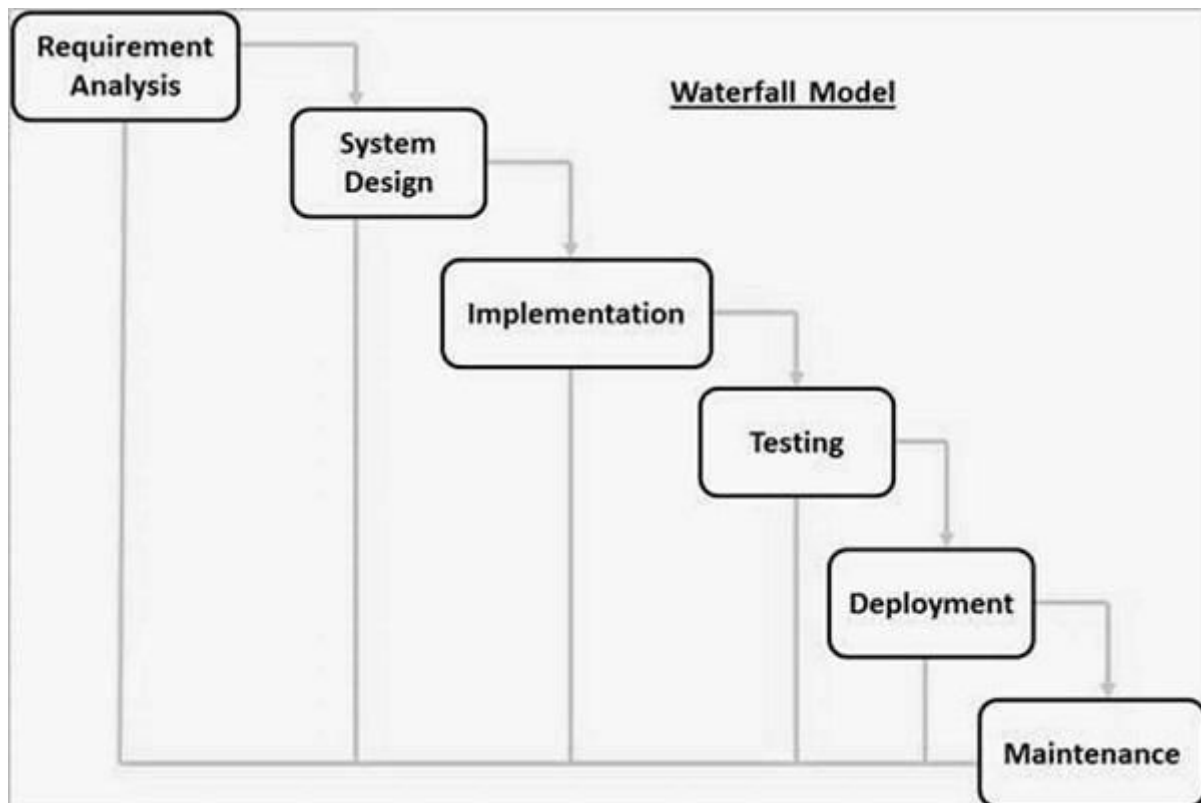
For Requirement No 7. “System should be able to generate invoice”. It can only generate invoice in fixed format defined by system. We can provide flexibility in invoice format in future.



## 2.3 Software Model.

As we have all requirements ready with us and there is no much risk in system so we will follow waterfall model for project development.

Waterfall model consists of 5/6 simple stages which are follow. where 2st stage is completed which is requirement analysis.





## 2.4 Technology Details.

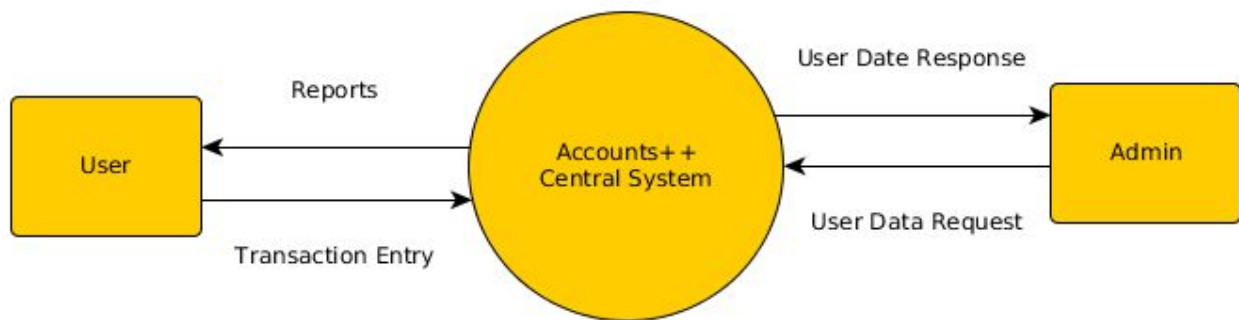
<b>Project Title</b>	Account++ (Online Accounting System)
<b>Project Objective</b>	Record and Maintain Company's Accounts online.
<b>Name Of College</b>	SDJ International College
<b>Front-End Tool</b>	ASP.NET
<b>Back-End Tool</b>	Ms Access Database along with ADO.NET
<b>Operating System</b>	Any Operating System with latest Browser Support. eg. Chrome, Firefox
<b>Internal Guide</b>	Nidhi Desai
<b>Submitted By</b>	Lohar Hamid A.



### **3. Designing**

#### **3.1 Data Flow Diagram.**

##### **3.1.1 Context Level DFD**



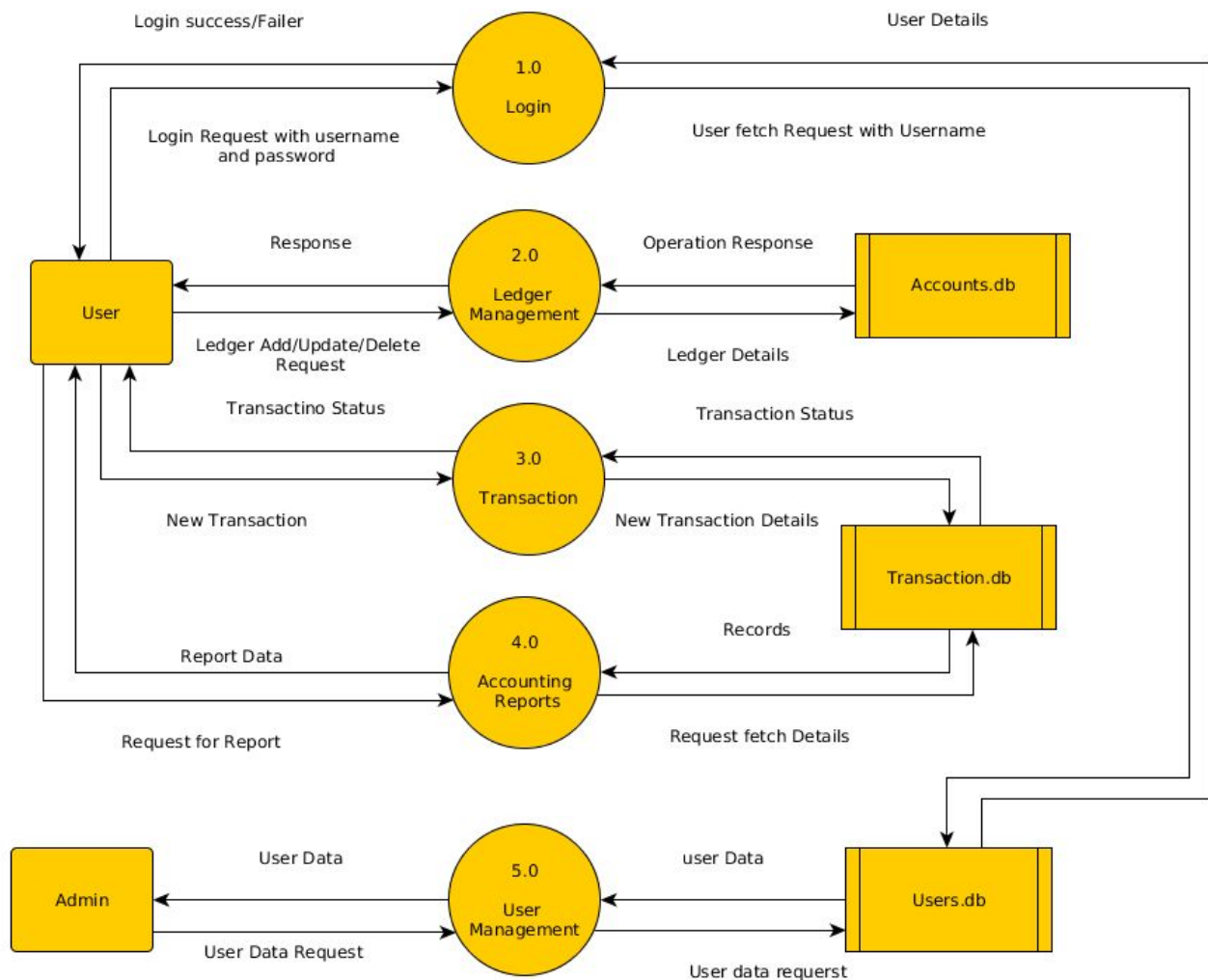
**Context Level Data Flow Diagram for Accounts++**





## Accounts++

### 3.1.2 Level 1 DFD

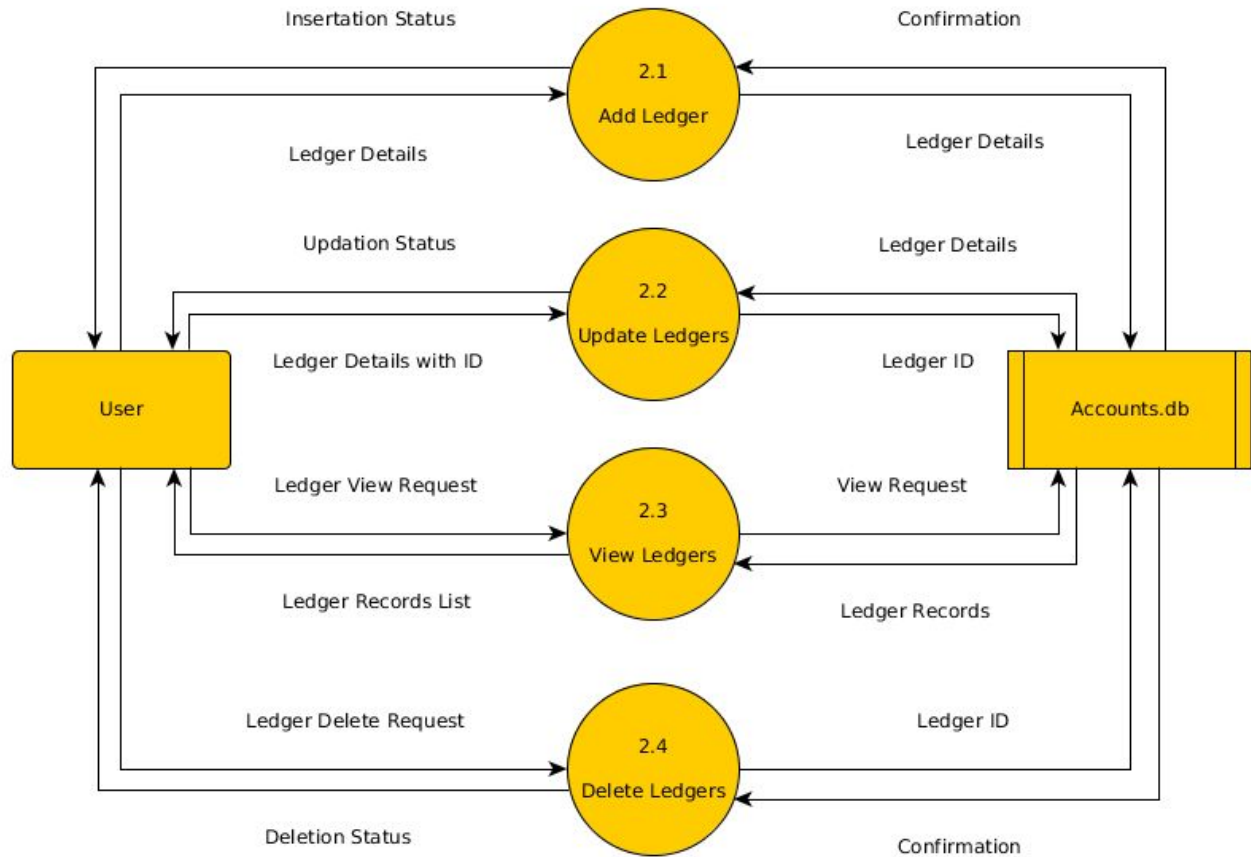


**Level 1 Data Flow Diagram for Accounts++**

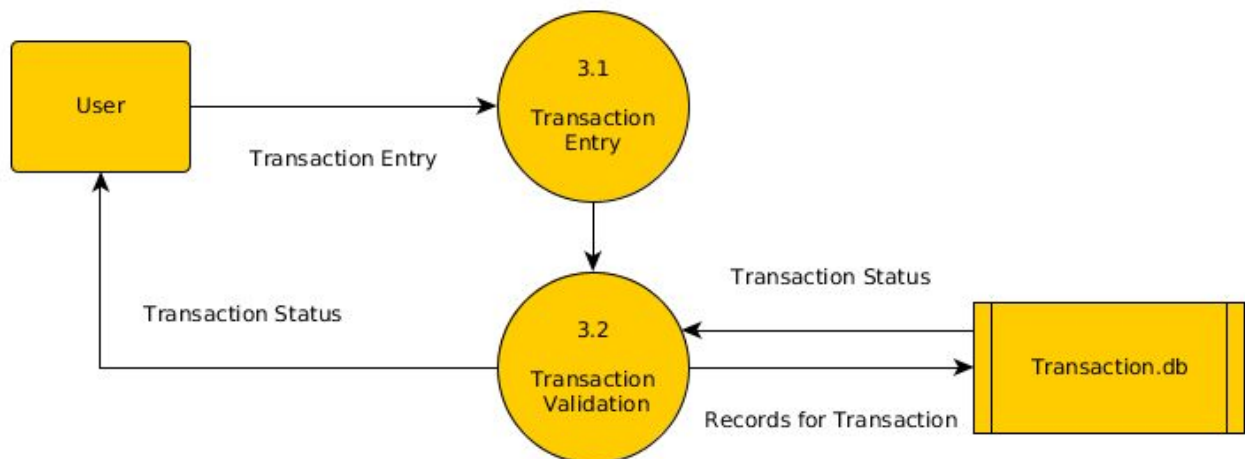


## Accounts++

### 3.1.3 Level 2 DFD



**Level 2 Data Flow Diagram for Accounts++ (Ledgers)**

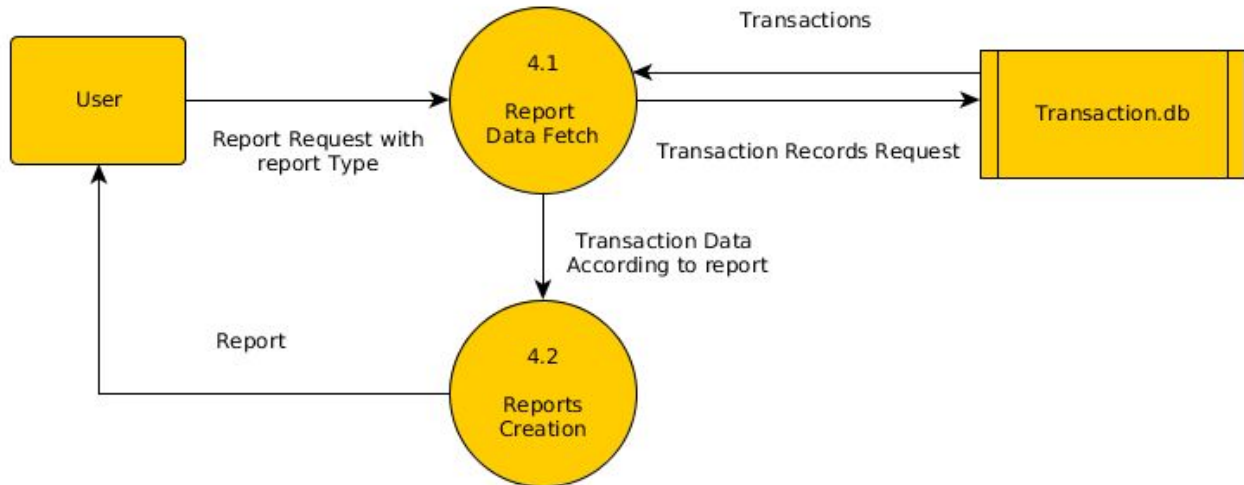




## Accounts++

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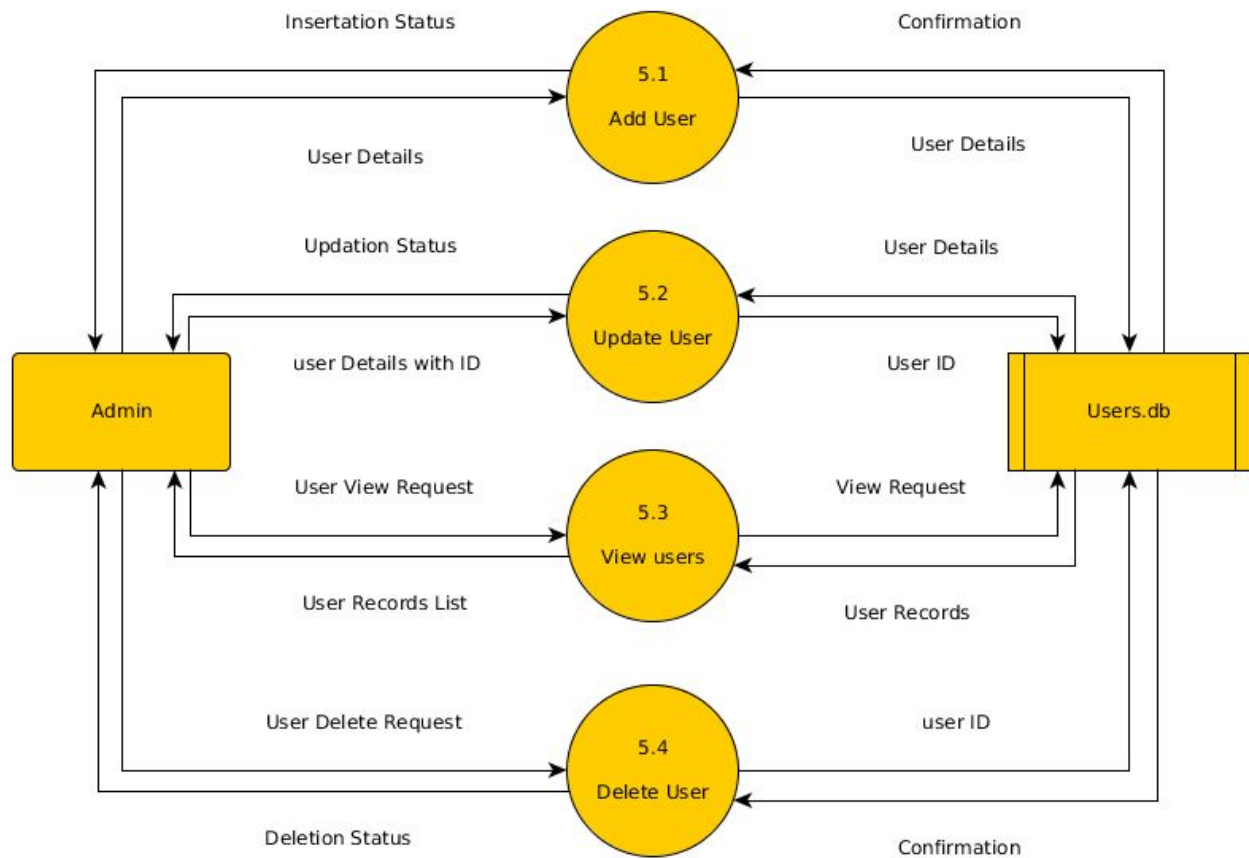
### Level 2 Data Flow Diagram for Accounts++ (Transactions)



### Level 2 Data Flow Diagram for Accounts++ (Reports)



## Accounts++



**Level 2 Data Flow Diagram for Accounts++ (Admin Side)**



## 3.2 Database Design

### Users

Column Name	Data Type	Description	Constraints
Id	Number	Unique ID of Users	Primary Key
CompanyName	Text	Full Name of Company	-
Username	Text	Unique Username for all users	-
Email	Text	Email of User	-
PhoneNo	Text	Contact detail of user	-
Password	Text	Password for user Login	-

### Accounts

Column Name	Data Type	Description	Constraints
Id	Number	Unique ID of Account/Ledger	Primary Key
Name	Text	Name of Account	-
Type	Text	Account type (personal/pnl/real)	-
Balance	Number	Current Balance of Account	-
user_id	Number	Reference to User's Record	Foreign Key



## Accounts++

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### Transactions

Column Name	Data Type	Description	Constraints
Id	Number	Unique ID of Transaction	Primary Key
t_num	Number	Id for Transactions belongs to one group	-
ac_credit	Number	Reference to Account for Credit	Foreign Key
ac_debit	Number	Reference to Account for Debit	Foreign Key
amt_credit	Number	Amount to be credited	-
amt_debit	Number	Amount to be debited	-



## 3.2 User Interface

### User Side Interface:

Home Page.

**Account++**    Home    Features    About    Login    Sign Up

**Features of Accounts++**

**Easy to use**

Accounts++ is easy to use web application, no need to install any software in your machine. Accounts++ is simple online accounting application. It is useful for companies to record their account. It allows different types of accounting entries eg. Sales, purchase, cash, Journal entries... etc. User can see final status of their origination using final accounting statements like Balance sheet and Profit & Loss account.

**Suitable for small business**



## Accounts++

### About Page.

**Account++**   [Home](#)   [Features](#)   [About](#)   [Login](#)   [Sign Up](#)

### About Music.com

Accounts++ is simple online accounting application. It is useful for companies to record their account. It allows different types of accounting entries eg. Sales,purchase,cash,journal entries... etc. User can see final status of their origination using final accounting statements like Balance sheet and Profit & Loss account.

### Features

Accounts++ is web application built with ASP.NET Framework. User can register their company and then he/she can record their companies accounts securely. It provide accounting in same way as it was being done traditionally. Accounts++ provides different types of transaction entries which fulfill all the requirements of financial accounting system.

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2. Purchase Entry
3. Sale Return Entry
4. Purchase Return Entry
5. Income Entry
6. Expanse Entry
7. Cash Transaction Entry
8. Journal Entry (All other types of entries)

It also provide following reports which are very useful for analysis.

1. Sale Book
2. Purchase Book
3. Sale Return Book
4. Purchase Return Book
5. Cash Book
6. Income/Expanse Report
7. Ledger Reports

**Contact Us:**

Your Name:

Your Email:

Subject:

Discription:





# Accounts++

## Features Page.

**Account++**   [Home](#)   [Features](#)   [About](#)   [Login](#)   [Sign Up](#)

**Features of Accounts++**

**Easy to use**

Accounts++ is easy to use web application. no need to install any software in your machine.Accounts++ is simple online accounting application. It is useful for companies to record their account. It allows different types of accounting entries eg. Sales,purchase,cash,Journal entries... etc. User can see final status of their origination using final accounting statements like Balance sheet and Profit & Loss account.

**Suitable for small business**

Accounts++ is lightweight web application to record your day to day financial transactions. It is not loaded with high end libraries and other high end stuff. It is made for simple and lightweight enviroment.

**Available Anywhere**

Accounts++ is web application that means it will be available anywhere. One can use Accounts++ at office and same thing at home too it just need Username/password of user.

**All type of Transactions are covered.**

With Accounts++ you can record any kind of business transaction. You can have following types of entries. and for other entries not listed here you can use Journal.

- Sales Entry
- Sales Return Entry
- Purchase Entry
- Purchase Return Entry



## Accounts++

Login.

The screenshot displays the Accounts++ website interface. At the top, there is a navigation bar with links for Home, Features, and About. Below this, the main content area is partially visible, showing text about the accounting application. A modal window is open in the center, containing a login form with fields for Username and Password, a Login button, and links for password reset and sign-up. To the right, a contact form is visible with fields for Name, Email, Subject, and Description, along with a Send Message button.

Home Features About

com

Accounting application. It is useful for companies to record their account. accounting entries eg. Sales, purchase, cash, Journal entries... etc. User can generate final accounting statements like Balance sheet and Profit & Loss statement using the application.

Username:

Username

Password:

Login

Can't Login? Reset password

Don't Have Account? Sign Up Now

Contact Us:

Your Name:

Full Name

Your Email:

abcd@example.com

Subject:

About Question/Query

Description:

Description of Question/Query

Send Message



## Accounts++

Signup.

[Home](#) [Features](#) [About](#)

com

accounting applic  
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ompanies account  
unts++ provides  
ounting system.

types of entries)  
rts which are ver

Enter your Name:

Full Name

Username:

Username

Email:

ayx@example.com

Password:

Retype Password:

Date Of Birth:

mm/dd/yyyy

Gender:

☒ Male ☐ Female

Sign Up

Already Have Account? Login Now Now

Contact Us:

Your Name

Full Name

Your Email

abcd@exa

Subject:

About Que

Discriptio

Discriptio

Question,

Send



## Accounts++

### Work Area Interface:

Journal Entry.

Account++

Entry

Journal Entry

Sales Entry

Sales Return Entry

Purchase Entry

Purchase Return Entry

Income Entry

Expense Entry

Reports

Sale Book

Sale Return Book

Purchase Book

Purchase Return Book

Cash Book

Journal Entry

Date	Ac From	Ac To	Amount Dr.	Amount Cr.
07/12/2018 5:21 AM	SBI BANK		5000	
				5000

Captial AC

Cash

SBI BANK

VIJAYA BANK

Paytm 8980

Rajiv S Ruia

Priyesh Sinha

Iqbal Mandhara

FB Likes

Submit



## Accounts++

Sales Entry/Purchase Entry/Purchase Return Entry/Sales Return Entry.

Account++

Entry

Journal Entry

Sales Entry

Sales Return Entry

Purchase Entry

Purchase Return Entry

Income Entry

Expense Entry

Reports

Sale Book

Sale Return Book

Purchase Book

Purchase Return Book

Cash Book

Purchase Entry

Date	Particular	Invoice No	Amount
08/07/2018 1:52 AM	Rajiv S Rula	F2000	20000

August 2018

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Submit



## Accounts++

Income/Expense Entry.

Account++

Expense Entry

Entry

Journal Entry

Sales Entry

Sales Return Entry

Purchase Entry

Purchase Return Entry

Income Entry

Expense Entry

Reports

Sale Book

Sale Return Book

Purchase Book

Purchase Return Book

Cash Book

Date	Particular	Invoice No	Amount
08/07/2018 1:51 AM	a		
	Capital AC		
	Cash		
	SBI BANK		
	VIJAYA BANK		
	Paytm 8980		
	Rajiv S Ruia		
	Priyesh Sinha		
	Iqbal Mandhara		

Submit



## Accounts++

Purchase Book/Sales Book/Purchase Return Book/Sales Return Book

Account++

Entry

Journal Entry

Sales Entry

Sales Return Entry

Purchase Entry

Purchase Return Entry

Income Entry

Expense Entry

Reports

Sale Book

Sale Return Book

Purchase Book

Purchase Return Book

Cash Book

Sales Book

Sale Book

Date	Particulars	Outward Invoice No.	Amount
20 March, 2018	Accounts Name	12523F	5000
20 March, 2018	Accounts Name	12523F	5000
20 March, 2018	Accounts Name	12523F	5000
20 March, 2018	Accounts Name	12523F	5000



## Accounts++

### Cash Book

Account++

Entry

Journal Entry

Sales Entry

Sales Return Entry

Purchase Entry

Purchase Return Entry

Income Entry

Expanse Entry

Reports

Sale Book

Sale Return Book

Purchase Book

Purchase Return Book

Cash Book

Cash Book

Dr.			Cr.		
Date	Particulars	Amount	Date	Particulars	Amount
20 June, 2018	Some body's A/c	3000	20 June, 2018	Some body's A/c	3000
20 June, 2018	Some body's A/c	3000	20 June, 2018	Some body's A/c	3000
20 June, 2018	Some body's A/c	3000	20 June, 2018	Some body's A/c	3000
20 June, 2018	Some body's A/c	3000	20 June, 2018	Some body's A/c	3000





## Accounts++

### Income/Expense Report

**Account++**

**Income/Expense Report**

**Entry**  
Journal Entry  
Sales Entry  
Sales Return Entry  
Purchase Entry  
Purchase Return Entry  
Income Entry  
Expense Entry  
**Reports**  
Sale Book  
Sale Return Book  
Purchase Book  
Purchase Return Book  
Cash Book

Income Report

Date	Particulars	Amount
20 June, 2018	Some body's A/c	3000
20 June, 2018	Some body's A/c	3000
20 June, 2018	Some body's A/c	3000
20 June, 2018	Some body's A/c	3000



## Accounts++

### Trial Balance

Account++

Entry

Journal Entry

Sales Entry

Sales Return Entry

Purchase Entry

Purchase Return Entry

Income Entry

Expense Entry

Reports

Sale Book

Sale Return Book

Purchase Book

Purchase Return Book

Cash Book

Trial Balance

Trial Balance of Shree raju and prakash Company on Date 31 January,2018

S. No.	Ledger Accounts	Debit(Rs.)	Credit(Rs.)
1	Accounts Name	1000	
1	Accounts Name	1000	
1	Accounts Name	1000	
1	Accounts Name	1000	



## Accounts++

### Profit & Loss Account

**Account++**

**Profit and Loss Account**

**Entry**  
Journal Entry  
Sales Entry  
Sales Return Entry  
Purchase Entry  
Purchase Return Entry  
Income Entry  
Expense Entry  
**Reports**  
Sale Book  
Sale Return Book  
Purchase Book  
Purchase Return Book  
Cash Book

Trading & Profit And Loss Account of Shree raju and prakash Company From 1 March, 2017 to 31 January, 2018

Particulars	Amount	Particulars	Amount
Capital Account	5000	Capital Account	3000
Capital Account	5000	Capital Account	3000
Capital Account	5000	Capital Account	3000
Capital Account	5000	Capital Account	3000



## Accounts++

### Balance Sheet

Account++

Entry

Journal Entry

Sales Entry

Sales Return Entry

Purchase Entry

Purchase Return Entry

Income Entry

Expense Entry

Reports

Sale Book

Sale Return Book

Purchase Book

Purchase Return Book

Cash Book

Balance Sheet

Balance Sheet of Shree raju and prakash Company on Date 31 January,2018

Capital & Liabilities	Amount	Assets	Amount
Capital Account	5000	Capital Account	3000
Capital Account	5000	Capital Account	3000
Capital Account	5000	Capital Account	3000
Capital Account	5000	Capital Account	3000



## Accounts++

### Admin Side Interfaces:

#### User Management Panel

##### Users

[Add User](#)

#	Name	Email	Status	No. of Photos	Action
13	asdf	example@emial.com	Active	95	<a href="#">Update</a> <a href="#">Delete</a>
14	asf	example@emial.com	Active	95	<a href="#">Update</a> <a href="#">Delete</a>
15	sadf	example@emial.com	Active	95	<a href="#">Update</a> <a href="#">Delete</a>
16	zxf	example@emial.com	Active	95	<a href="#">Update</a> <a href="#">Delete</a>