# Space Kitchen Modules: Transactions, Masters, Account Masters

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## Overview

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#### Introduction

- Space Kitchen Architects and Interiors is the best home designers and architects in Kerala with a record of more than 770 projects implemented successfully in South India.
- They are focusing on kitchen cupboard, bedroom and bathroom interior works etc.
- The developing application is a construction management and billing software.

# **Existing System**

- Their existing system is a manual one.
- The main drawback of the existing one is the error rate .
- The system does not support automatic estimated cost calculation.
- The work have to be noted down in some register and also taking care of that document.
- Time wastage.

# Proposed Method

#### Proposed method includes:

- Provision for entering the details of new project.
- Based on the requirements of client we can calculate the estimated cost.
- We can convert a new project to quotation after the approval of client so the particular project entry is deleted from the project master table.
- We can purchase the products for specific project.
- Masters maintain the details of state, supplier, project and work master.
- Provision provided for treating different queries/request from same users as different project.
- This application manages the accounting section.

# Module Description

#### 1 Transactions:

- This module deals with quotation preparation and project wise purchase.
- Quotation is prepared and estimated cost is calculated.
- Project wise purchase keeps the expense and products used for a particular project.

#### 2 Masters:

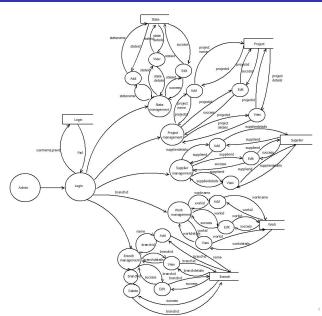
- Masters modules mainly deals with maintain master table.
- There is a provision for adding project details and that is store in project masters.
- Supplier master keeps the record of supplier details.
- State master maintain the details of states.
- Work master contain the works that doing in the company.
- Branch master stores the branch information.

#### 3.Account Masters

- Financial statements are very important in business.
- Ledger group, ledger and bank are the sub tasks in this module.



Figure: Level 0



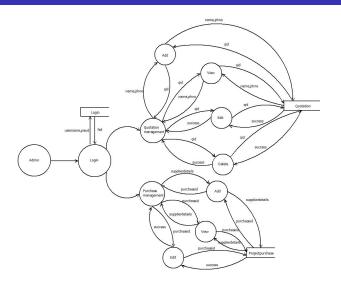
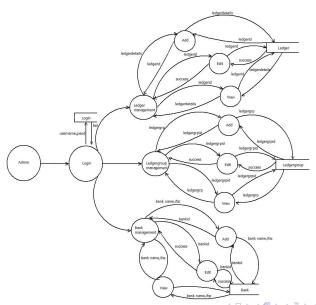


Figure: Level 1 Transaction



# **Tables**

Table: Login

VARIABLE NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
UserID	Integer	Primary Key	User ID
UserName	Varchar	NOT NULL	User name of the user
Password	Varchar	NOT NULL	Password
UserType	Integer	NOT NULL	Employee Type
Status	Integer	NOT NULL	Active/Not Active(1/0)

Table: ac\_LedgerHead

VARIABLE NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
LedgerHead_id	Integer	Primary Key	Ledger Head ID
LedgerHead_Name	Varchar	NOT NULL	Ledger Head Name
LedgerHead_Type	Integer	NOT NULL	Dr 1 ,Cr 2
Fixed_Data	Integer	NOT NULL	Fixed Data

## Table: ac\_LedgerGroup

VARIABLE NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
LedgerGroup_id	Integer	Primary Key	Ledger Group ID
LedgerGroup_Name	Varchar	NOT NULL	Ledger Group Name
LedgerGroup_Code	Varchar	NOT NULL	Ledger Group Code
Parent_Head	Integer	NOT NULL	Parent Ledger name
Parent_Group	Varchar	NOT NULL	Parent Ledger name
LedgerGroup_Type	Integer	NOT NULL	Dr 1 ,Cr 2
Fixed_Data	Integer	NOT NULL	Fixed Data

Table: ac\_Ledger

VARIABLE NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
ac_ledger_id	Integer	Primary Key	Ledger ID
ac_ledger_Name	Varchar	NOT NULL	Ledger name
ac_ledger_Code	Varchar	NOT NULL	Ledger code
ac_ledger_Group	Integer	NOT NULL	Ledger Group
ac_ledger_Type	Integer	NOT NULL	Dr 1 ,Cr 2
ac_op_Type	Integer	NOT NULL	Opening balance type
ac_credit_Period	Integer	NOT NULL	Credit Period
ac_credit_Limit	Integer	NOT NULL	Credit limit
ac_SupCus_id	Integer	Foreign Key	Supplier/Customer ID
ac_ledger_Status	Char	NOT NULL	Status(Y/N)
Fixed_Data	Integer	NOT NULL	Fixed data
ac_ledger_Category	Char	NOT NULL	S-Supplier,C-
			Customer, O-Other, F-
			Fixed,B-Bank
user_id	Integer	Foreign Key	User who added the
			record
added_Date	Datetime	NOT NULL	Added date
updated_Date	Datetime	NOT NULL	Last Upated date

Table: ac\_Bank

VARIABLE NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
ac_Bank_id	Integer	Primary Key	Bank ID
ac_Bank_Name	Varchar	NOT NULL	Bank name
ac_Bank_acno	Varchar	NOT NULL	Account number
ac_Bank_ifsc_Code	Varchar	NOT NULL	IFSC code
ac_Bank_branch	Varchar	NOT NULL	Branch
ac_Bank_Ledger	Integer	NOT NULL	Bank Ledger ID
ac_Bank_status	Char	NOT NULL	Status
user_id	Integer	NOT NULL	User who added the record
added_Date	Datetime	NOT NULL	Added date
updated_Date	Datetime	NOT NULL	Last Updated date

#### Table: Branch

VARIABLE NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
Branch_id	Integer	Primary Key	Branch ID
Compnay_id	Integer	NOT NULL	Company ID
Branch_stateid	Integer	NOT NULL	State ID of branch
Branch_Name	Varchar	NOT NULL	Branch name
Branch_address	Varchar	NOT NULL	Branch address
Branch_email	Varchar	NOT NULL	Branch email
Branch_phone	Varchar	NOT NULL	Branch phone
ac_Branch_status	Char	NOT NULL	Status
user_id	Integer	NOT NULL	User who added the record
added_Date	Datetime	NOT NULL	Added date
updated_Date	Datetime	NOT NULL	Last Updated date

## Table: Supplier

VARIABLE NAME	DATA	CONSTRAINTS	DESCRIPTION
	TYPE		
Supplier_id	Integer	Primary Key	Supplier ID
Supplier_ledgerid	Integer	NOT NULL	Supplier LedgerID
Supplier_state	Varchar	NOT NULL	State of Supplier
Supplier_gstin	Varchar	NOT NULL	GSTIN of Supplier
Supplier_Name	Varchar	NOT NULL	Supplier name
Supplier_address	Varchar	NOT NULL	Supplier address
Supplier_email	Varchar	NOT NULL	Supplier email
Supplier_phone	Varchar	NOT NULL	Supplier phone
Supplier_status	Char	NOT NULL	Status
user_id	Integer	NOT NULL	User who added the
			record
added_Date	Datetime	NOT NULL	Added date
updated_Date	Datetime	NOT NULL	Last Updated date

### Table: Projectmaster

VARIABLE NAME	DATA	CONSTRAINTS	DESCRIPTION
	TYPE		
Pro_id	Integer	Primary Key	Project ID
Pro_Refno	Integer	NOT NULL	Project Reference
Pro_state	Varchar	NOT NULL	State of Project
Pro_Name	Varchar	NOT NULL	Project client name
Pro_contactperson	Varchar	NOT NULL	Contact person name
Pro_address	Varchar	NOT NULL	Project address
Pro_pin	Integer	NOT NULL	Project pin
Pro_phone	Varchar	NOT NULL	Supplier phone
Pro_ledid	Integer	NOT NULL	Project ledgerid
Pro₋status	Char	NOT NULL	Status
user_id	Integer	NOT NULL	User who added the
			record
added_Date	Datetime	NOT NULL	Added date
updated_Date	Datetime	NOT NULL	Last Updated date

### Table: Quotation

VARIABLE NAME	DATA	CONSTRAINTS	DESCRIPTION
	TYPE		
Qua_id	Integer	Primary Key	Quotation ID
Quabranchid	Integer	NOT NULL	Quotation BranchId
QuaProjectid	Integer	NOT NULL	Quotation Project Id
Qua_stateid	Integer	NOT NULL	StateId of Quotation
Qua_no	Varchar	NOT NULL	Number of Quotation
Qua_subject	Varchar	NOT NULL	Quotation subject
Qua_Date	Datetime	NOT NULL	Quotation date
Qua_Taxamt	Decimal	NOT NULL	Quotation Tax Amount
Qua_amt	Decimal	NOT NULL	Quotation Amount
Qua_Discamt	Decimal	NOT NULL	Quotation Discount
			Amount
Qua_Otheramt	Decimal	NOT NULL	Quotation Other
			Amount
Qua_status	Char	NOT NULL	Status
user_id	Integer	NOT NULL	User who added the
			record
added_Date	Datetime	NOT NULL	Added date
updated_Date	Datetime	NOT NULL	Last Updated_date

#### Table: State

VARIABLE NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
State_id	Integer	Primary Key	State ID
Statename	Varchar	NOT NULL	State name
Statecode	Integer	NOT NULL	State Code
State_status	Char	NOT NULL	Status
user_id	Integer	NOT NULL	User who added the record
added_Date	Datetime	NOT NULL	Added date
updated_Date	Datetime	NOT NULL	Last Updated date

#### Table: Work

VARIABLE NAME	DATA TYPE	CONSTRAINTS	DESCRIPTION
Work_id	Integer	Primary Key	Work ID
Workname	Varchar	NOT NULL	Work name
Workcategory	Integer	NOT NULL	Work category
Work_status	Char	NOT NULL	Status
user_id	Integer	NOT NULL	User who added the record
added_Date	Datetime	NOT NULL	Added date
updated_Date	Datetime	NOT NULL	Last Updated date

# Hardware and Software Requirements

## Software Requirements

- Operating System :Windows XP or higher .
- Front-End: Java
- Back-End Tool : MySQL

### Hardware Requirements

- Processor: Intel Pentium IV and above
- RAM: 256 MB
- Hard Disk: 40 GB or higher
- Display: 14.1 Colour Monitor(LCD,CRT or LED)

## Screenshots

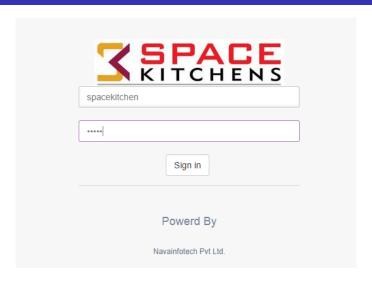


Figure: Login

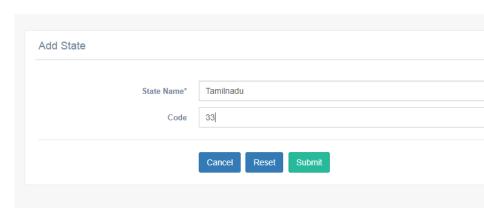


Figure: Add State



Figure: List State



Figure: Edit State

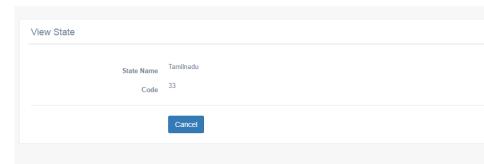


Figure: View State

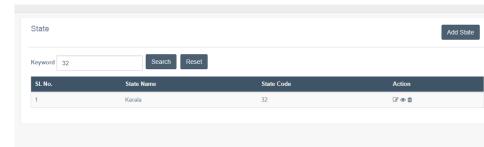


Figure: Search State

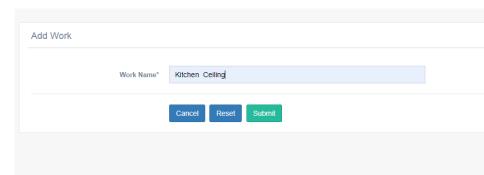


Figure: Add Work

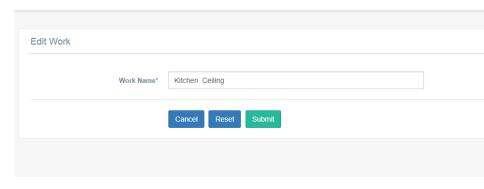


Figure: Edit Work

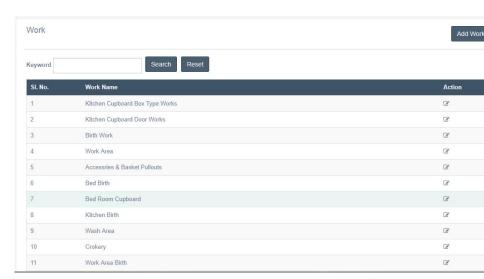


Figure: List Work



Figure: Search Work

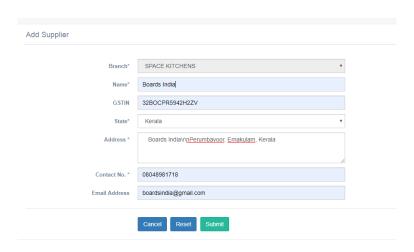


Figure: Add Supplier

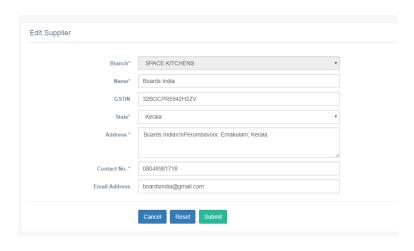


Figure: Edit Supplier

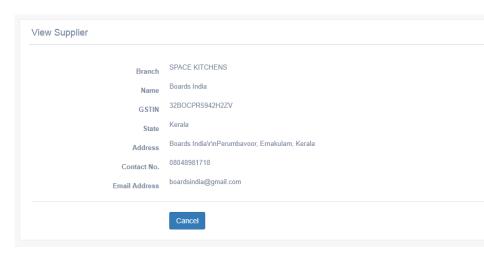


Figure: View Supplier Details

Supplier Add Supplier

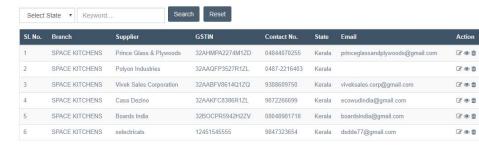


Figure: List Supplier Details

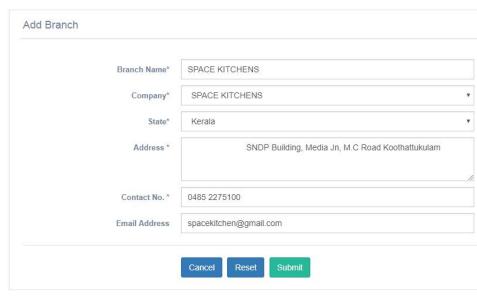


Figure: Add Branch

#### Edit Branch

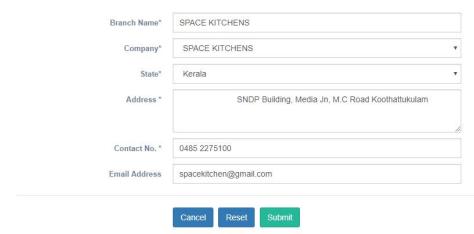


Figure: Edit Branch Details



Figure: List Branch Details

### Add Project Master Project Name\* Anju Contact Person \* Anju Contact Number\* 9846578638 State\* Kerala Address \* Sabarypoikayil(h) vaipur PO vaipur Pin Code \* 689588 Cancel Reset

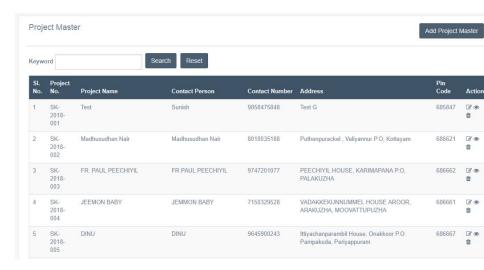


Figure: List Project

Project Name*	Anju
Contact Person *	Anju
Contact Number*	9846578638
State*	Kerala v
Address *	Sabarypoikayil(h) r\nvaipur PO vaipur
	<i>B</i>
Pin Code *	689588
	Cancel Reset Submit

Figure: Edit Project

#### View Project Master

Project Name Anju

Contact Person Anju

Contact Number 9846578638

State

Address Sabarypoikayil(h)\\r\\nvaipur PO vaipur

Pin Code 689588

Cancel

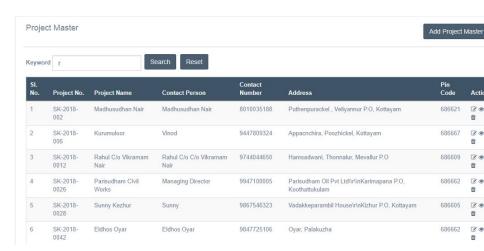


Figure: Search Project

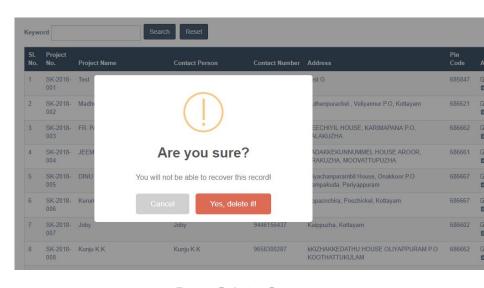


Figure: Deleting Project

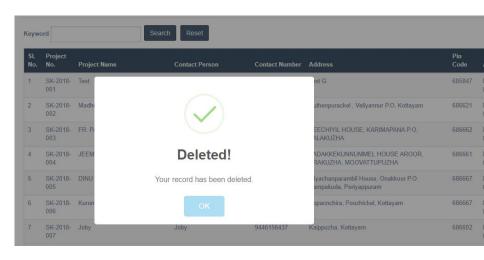


Figure: Deleted

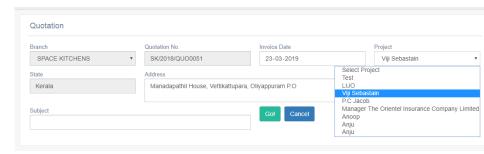


Figure: Add Quotation

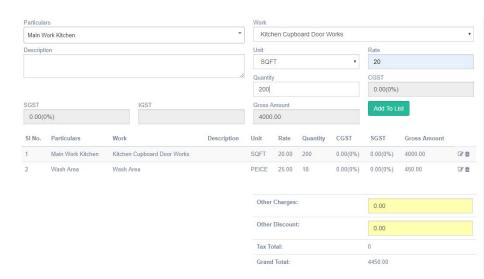


Figure: Add Quotation

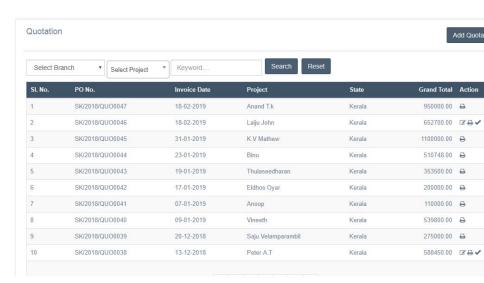


Figure: List Quotation



Figure: Approving Quotation

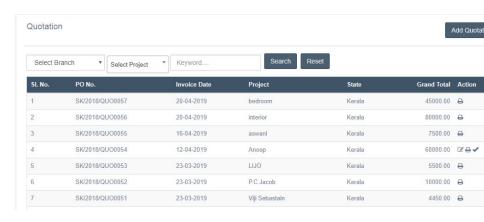


Figure: Approved Quotation

## QUOTATION

GST No: 32ECOPS1522K1ZE Lic No: KM Act 2014/0328/18/1228/18

Customer Details: Name:- LIJO No: SK/2018/QUO0053

Address: Malayil House Thuruthipillil Nezhur, Kottayam Date 23/03/2019

#### Subject:-

SI.No.	Particulars	Unit	Rate	Qty	Amount
1	Main Work Kitchen				
	Work Area Birth	SQFT	50.00	10	500
2	Bed Room Cupboard				
	Bed Room Cupboard	SET	100.00	50	5000

Total 5500

CGST	SGST	Total Tax Amount
0	0	0

| Discount | 0 | Other | Charges | Total Tax | Amount | Grand Total | 5500 |

Total Amount (in words): INR Rupees five Thousand five Hundred Only...

ACCOUNT DETAILS

SPACE KITCHENS, M.C ROAD, SNDP BUILDING, KOOTHATTUKULAM-686662 A/C NO C/A 55350200000065

IFSC CODE BARBOKOOKUL

Print

#### QUOTATION GST No: 32FCOPS1522K17F Lie No: KM Act 2014/0328/18/1228/18 Customer Details : Name :- LLIO No: SK/2018/QUO0053 Address: Malayil House Thuruthipillil Nezhur, Kottayam Date 23/03/2019 Subject:-SINo **Particulars** Unit Rate Qty Amount 1 Main Work Kitchen Work Area Birth SOFT 50.00 10 500 2 Bed Room Cupboard Bed Room Cupboard SET 100.00 50 5000 Total 5500 Discount 0 CGST SGST Total Tax Amount Other 0 Charges 0 0 0 Total Tax 0 Amount Grand Total 5500 Total Amount (in words): INR Rupees five Thousand five Hundred Only. ACCOUNT DETAILS SPACE KITCHENS. M.C ROAD, SNDP BUILDING, KOOTHATTUKULAM-686662 A/C NO C/A 55350200000065 IFSC CODE BARBOKOOKUL

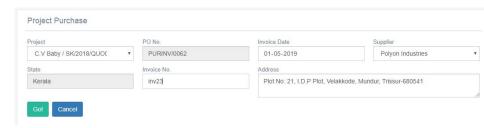


Figure: Add Project Purchases

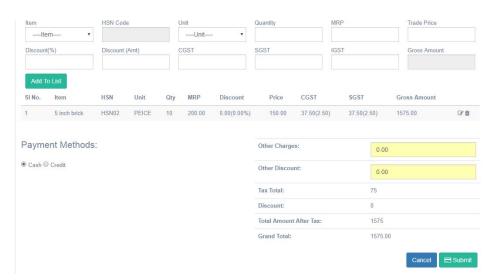


Figure: Add Project Purchases

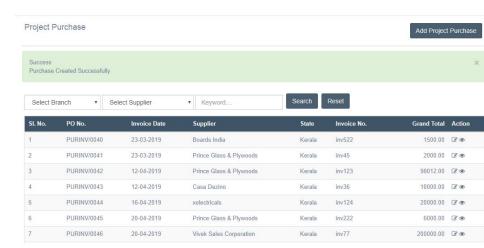


Figure: List Project Purchase



Figure: Invoice

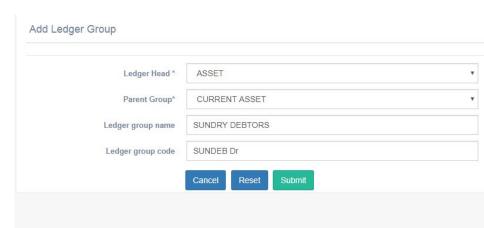


Figure: Add Ledger Group

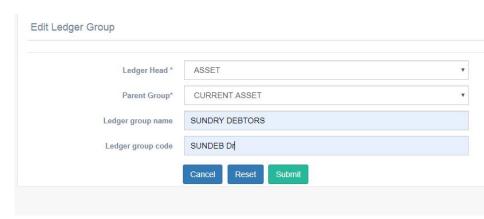


Figure: Edit Ledger Group

Ledger Group

Add Ledger Group



Figure: List Ledger Group



Figure: Add Ledger

ledger Group*	DIRECT EXPENSE ▼	
Ledger name	Biju Varghese (Carpenter)	
Ledger code	Biju Varghese	
Openning Balance	0	
Openning Balance Type	● Debit ◎ Credit	
	Cancel Reset Submit	

Figure: Edit Ledger

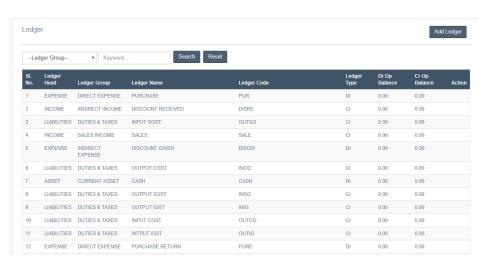


Figure: List Ledger

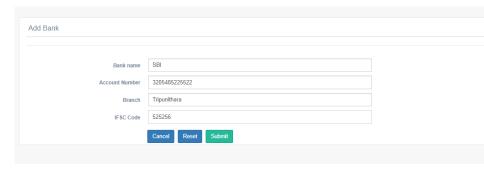


Figure: Add Bank



Figure: Edit Bank

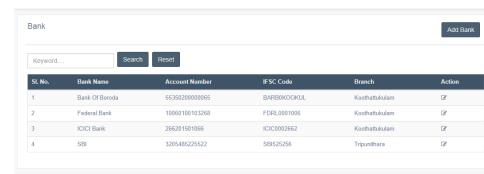


Figure: List Bank

### Version



Figure: Bit Bucket

### Conclusion

- This project mainly aims at providing an efficient web application system for Space Kitchen company.
- This system could overcome almost all the drawbacks faced by the existing system by using advanced software features.
- Transaction and Account Masters module focuses on effectively managing the accounting and reports of the transactions.

### Bibilography





**Peter Coad and Mark Mayfield**, *Java Design: Building Better Apps and Applets*, Yourdon Press, 1996.



# Thank you...