# Cashflow Bookkeeping Software

Advanced bookkeeping application

## Developer Manual

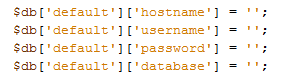
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## Installation Manual

* Upload the downloaded zip file to your server in the public\_html directory
* Extract the zip file
* Create a new database from your server mysql.
* Create user to the database and link the database to the user.
* Open the file database.php from the directory /application/config/ database.php



* Fill up these informations with your database hostname, database username, database password, database name respectively which you have created in the previous step.
* Now from server phpmyadmin go to your database. Select import and choose the file install.sql located in uploads/install.sql
* Open the file routes.php from the directory /application/config/routes.php
* Change default controller from ‘install’ to ‘admin’ in routes.php

( /application/config/routes.php )

* And you are ready to go now to browse the application.
* Default admin credentials are:

Email : [admin@example.com](mailto:admin@example.com)

Password : 1234

## Source Code Structure

The application is developed on Codeigniter framework and completely

follows HMVC. The details of this framework can be found in <http://www.codeigniter.com/>

The root directory contains

* Application

contains the core files of the application :

- config

contains the configuration files of the application

- helpers

contains the helper files

- libraries

contains the library files

- modules

contains the modules used for this application all of which has their own sets of controllers, models and view files :

- admin module

- account module

- contact module

- income\_expense module

- inventory module

- reporting module

notable controllers used in these modules :

- admin (/application/modules/admin/controllers/admin)

- auth

(/application/modules/admin/controllers/auth)

- modal (/application/modules/admin/controllers/modal)

- account

(/application/modules/account/controllers/ account)

- contact

(/application/modules/contact/controllers/contact)

- income\_expense

(/application/modules/income\_expense/controllers/ income\_expense)

- inventory

(/application/modules/inventory/controllers/inventory)

- reporting

(/application/modules/reporting/controllers/ reporting)

notable models used in these modules :

- admin\_model (/application/modules/admin/models/admin\_model)

- auth\_model

(/application/modules/admin/models/auth\_model)

- email\_model

(/application/modules/admin/models/email\_model)

- account\_model

(/application/modules/account/models/

account\_model)

- contact\_model

(/application/modules/contact/models/contact\_model)

- income\_expense\_model

(/application/modules/income\_expense/models/

income\_expense\_model)

- inventory\_model

(/application/modules/inventory/models/

inventory\_model)

notable view files used in these modules :

- /modules/admin/views

contains all the view files used in admin module

- /modules/account/views

contains all the view files used in account module

- /modules/contact/views

contains all the view files used in contact module

- /modules/income\_expense/views

contains all the view files used in income\_expense module

- /modules/inventory/views

contains all the view files used in inventory module

- /modules/reporting/views

contains all the view files used in reporting module

- footer.php

(/application/modules/admin/views/footer.php)

contains the footer informations of the application

- header.php

(/application/modules/admin/views/header.php)

contains the header view of the application

- includes\_bottom.php

(/application/modules/admin/views/

includes\_bottom.php)

contains links to javascript files

- includes\_top.php

(/application/modules/admin/views/

includes\_top.php)

contains links to css files

- index.php

(/application/modules/admin/views/index.php)

includes the footer, header, javascript, css, modals at the time of page loading

- login\_view.php

(/application/modules/admin/views/

login\_view.php)

the login page

- modals.php

(/application/modules/admin/views/modals.php)

contains the modal views which are used in the view of different panels

* assets

contains all css styles and javascript files

- system

contains all the configurations and library files of the framework

- uploads

contains the application logo

- index.php

this file on loading calls all the codeigniter functions

## Source code description

### Admin Controller ( /application/modules/admin/controllers/ Admin.php )

#### Manage Notes

note function contains the logical expressions of showing all notes created by logged in admin, creating a new note, editing the information of an existing note and deleting notes from the database. The parameters define the form action in which the data is to be created, edited or deleted.

#### Email Settings

Contains all the logical expressions for email settings such as showing all available templates, creating a new one and updating an existing email template.

#### Manage Language Settings

Contains all the logical expressions for language settings such as showing all available languages, adding a new language to the system, updating an existing one, adding a new phrase or updating a phrase.

### Account Controller ( /application/modules/account/controllers/ Account.php )

#### Manage Accounts

accounts function contains the logical expressions of showing all accounts created by logged in admin, creating a new account, editing the information of an existing account and deleting accounts from the database. The parameters define the form action in which the data is to be created, edited or deleted.

### Contact Controller ( /application/modules/account/controllers/ Contact.php )

#### View Contact Details

contact\_details function contains the logical expressions of showing detailed information and sales/purchase history of a customer/supplier along with sending email to that contact.

### Reporting Controller ( /application/modules/reporting/controllers/ Reporting.php )

#### View Account Statements

account\_statement function contains the logical expressions of showing debit and credit account statements by account, transaction type and custom date range.

#### View Income Reports

income\_report function contains the logical expressions of showing income reports by custom date range.

### Auth Controller ( /application/modules/admin/controllers/ Auth.php )

function login holds the logical expressions for

* matching email and password for different users

- setting the login type for different users

* setting session data which are used for other views

function forgot\_password

* matches email address to saved email address
* generates a new password
* sends email to that address with the newly generated password

function logout

- unsets current session and destroys all session data

saved for that session

### The Model Files

- admin\_model.php ( /application/modules/admin/models/ admin\_model )

contains the basic functions for creating, retrieving, updating and deleting which works in association with controllers and views of admin module. account\_model, contact\_model, income\_expense\_model, inventory\_model and reporing\_model works accordingly in association with account, contact, income\_expense, inventory and reporting modules respectively.

- email\_model.php ( /application/modules/admin/models/ email\_model )

contains the functions that send email on different events.

- auth\_model.php ( /application/modules/admin/models/ auth\_model )

contains the functions that works in association with the auth\_controller for handling sessions, logging in users and log in authentication.

### The View Files

notable view files used in the modules :

- /modules/admin/views

contains all the view files used in admin module

- /modules/account/views

contains all the view files used in account module

- /modules/contact/views

contains all the view files used in contact module

- /modules/income\_expense/views

contains all the view files used in income\_expense module

- /modules/inventory/views

contains all the view files used in inventory module

- /modules/reporting/views

contains all the view files used in reporting module

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