eAccountNote

micro-accounting app (http://www.eaccountnote.com/)

Index

Overview

As the name implies, eAccountNote is an Accounting app. In more specific way, it is micro-accounting web app, to manage Accounting within Account-Group members. It can be operate from any device(mainly Mobile) through browser, so that every group member can have easy access to this app and each group member can stay alert about the Accounting status of their Account-Group.

Normally Accounting app comes up with large infrastructure & setup, but eAccountNote doesn't require such things, so we can called it as micro-accounting app.

Who would be the users of eAccountNote?
- An Individual user.
- A small scale company, business, shop.
- Residential society, apartment, building.
- Group of members.

Architecture

After sign-in to the app, a new Account & Account-Group will be created for the user. User can add other accounts as a member in his Account-Group. User can also add an Account which will acts as a new Account-Group, so user can have nested Account-Group in the app.

Within a members of Account-Group, user can do money transactions. As the fundamental rule of Accounting, every transaction will be executed with 2 entries, one will be credit entry & other will be debit entry, this will ensure the sum of transactions within Account-Group will be always zero.

This is the core feature of the app. The User Account, itself acts as an Account-Group for the app. User can create as many Accounts & Account-Group as he want, again Account-Group can have multiple Account-Group in it.

Features

1. Nested Account-Group

This is the core feature of the app. The User Account, itself acts as an Account-Group for the app. User can create as many Accounts & Account-Group as he want, again Account-Group can have multiple Account-Group in it.

2. Bulk Transaction Entry

This feature is helpful for doing multiple transactions at a time. For using this feature below conditions need to be satisfy.

1. The Source-Account for all the transactions should be same.
2. The Amount for all the transactions should be same.
3. The Narration for all the transactions should be same.

3. SMS Alert

App have a SMS feature which will be optional for use. The sign-in id of the user would be mandatory as an user's Mobile-Number & again mobile number is mandatory for every Account(account type = user). In the transaction entry, respective SMS can be send to the Account holder parted in the transaction. The SMS feature can be used for…

1. Notify outstanding balance to required Account holder.
2. Notify meeting schedule to the Group-Account members.
3. Notify any announcement/notice to the Group-Account members.

Note: The SMS feature is strictly allow to use for above specified purpose only. It is not allow to use for PROMOTIONAL, SALES or MARKETING purpose.

4. Transactions Report

Using this feature, a detail transaction report can be viewed for any Account The report can be filter by Source-Account, Destination-Account, Account Tag name, Narration & CR, DR amount.

5. Group Access

The user associated with the User-Account, which has added in the Group can get default access for the Group. Sometimes it is required to restrict the Group access for particular users & this can achieved using this feature.

6. Account Activation/Deactivation

If any Account is no more required in the Group, then that Account can be removed from the Group by using this feature. In future the removed Account need to be added again, then that can be done using same feature.

7. Data Archival

As the transaction increased, it increases the data size & hence affect the performance of app. So the Data Archival is a process, where the old data(the data which is required rarely for the users) moved to the separate storage. All data would be safe & can be presentable whenever it is really need.

8. Roles wise functionality access

The User Account belongs to Group can have one of the following role assigned.

- Regular
- Admin

The 'Admin' role will have access to all the available functionalities in the Group. The 'Admin' can perform below tasks for the Group.

- Add new Account in the Group.
- Edit Group-Account profile.
- Transaction entry.
- Activate/Deactivate the Account from the Group.
- Reject/Permit the Group access to the User Account.
- Bulk-Transaction entry.
- Send SMS alert.
- Perform Data archival.

The user with 'Regular' role, will have only the view access for the Group. He can view the Account transactions & the Account balance of the Group. This app is a financial app, so every screen of the app contains list of data. The data would be the list of Accounts or the list of Transactions. So the every screen of the app is loaded with the required Filters at the top. Data finding & filtering can be achieved easily using this feature.

9. Data Filters

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UI-Operations

How to add Account in the group?

Follow below steps for adding new Account in the Group.

1. First confirm, you are on the main Account-Group page.
2. Now click on the property icon & select 'Add Account'.
3. The screen of 'Add Account' will be open.
4. Select the type of Account (mandatory).

5. Enter the Account name (mandatory).
6. If account-type is ‘User’, then...
    I. Enter the Mobile number (mandatory).
    II. Enter the Email
    III. Enter the Address
    IV. Check the checkbox, if SMS alert is allowed for this Account user.
    V. Check the checkbox for giving Group access.
    VI. Select the user role(Admin or Regular).
7. Enter the Address.
8. Select the default CR/DR behaviour of the account.
9. All data entry is done, finally click on ‘Save’ button.

How to do Transaction entry?

Follow below steps for doing transaction entry.

1. Confirm, you are on the main Account-Group page, where the list of Accounts are shown.
2. Click on the Source-Account from the list, for which transaction need to be done.
3. The Transaction-Entry screen will be open.
4. Select the required CR/DR option. The purpose of CR/DR will be shown by clicking on Que icon.
5. Select the Destination-Account from the list by clicking on the list icon.
6. Enter the Transaction Amount.
7. Enter the Narration. This is optional.
8. All entry part is done, finally click on ‘Post’ button.

How to do Bulk-Transaction entry?

Follow below steps for doing multiple transactions

1. First confirm, you are on the main Account-Group page.
2. Now click on the property icon & select ‘Bulk Transaction entry’.
3. The screen of ‘Bulk Transaction’ will be open.
4. Select the Source-Account from the Account list, by clicking on list button.
5. Select the required CR/DR option. The purpose of CR/DR will be shown by clicking on Que icon.
6. Enter the Transaction Amount.

7. Enter the Narration. This is an optional.
8. Select single or multiple Destination-Accounts from the list below.
9. All data entry is done, finally click on ‘Post’ button.

How to assign Group access?

Particular user can be restricted from Group access by following below steps…

1. First confirm, you are on the main Account-Group page.
2. Now click on the property icon & select ‘Group Access’.
3. A screen to manage Group access will be shown. The screen will have the list of all User Accounts. A ‘Reject’ or ‘Permit’ button will be exist at every Account row.
4. In order to deny Group access, click on ‘Reject’ button & to allow Group access click on ‘Permit’ button.

How to send SMS alert?

Follow below steps for sending the SMS alert to Group users.

1. First confirm, you are on the main Account-Group page.
2. Now click on the property icon & select ‘Send SMS Alert’.
3. The screen to send SMS alert will be open.
4. Select the type of SMS alert from the group of buttons(Outstanding, Meeting, Notice, Announcement).
    I. If the SMS type is ‘Outstanding’, then just select the Accounts from the list to which the outstanding SMS has to be send.
    II. If the SMS type is ‘Meeting’, then enter the Date, Time for the meeting & then select the Accounts from the list.
    III. If the SMS type is ‘Notice’ or ‘Announcement’, then enter the notice or announcement details & then select the Accounts from the list.
5. Finally click on the ‘Send’ button.

Note: In case of ‘Outstanding’ SMS type, ‘Send’ button will be appear at screen header.

How to Activate/Deactivate Account?

Particular Account can be removed from the Group by following below steps…

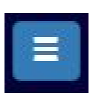
1. First confirm, you are on the main Account-Group page.
2. Now click on the property icon & select ‘De/Activate Account’.
3. A screen for ‘De/Activate Account’ will be open. The screen will have the list of all Group accounts. A ‘Deactivate’ or ‘Reactivate’ button will be exist at every Account row.
4. In order to remove the Account from the Group, click on ‘Deactivate’ button & to re-add the Account in the Group, click on ‘Reactivate’ button.

How to do Data Archival?

Follow below steps to perform Data archival.

1. First confirm, you are on the main Account-Group page.
2. Now click on the property icon & select “Data Archival”.
3. The screen of “Data Archival” will be open.
4. Enter the archival description.
5. Finally click on “Run” button.

Image/Icon/Color indication

Sr. No.	Icon	Indication/Description
1.		Property(Menu) Icon
2.		User Account acts as a creditor in Account-Group
3.		Group Account
4.		Support Account acts as a creditor in Account-Group
5.		User Account acts as a debtor in Account-Group

6.		Support Account acts as a debtor in Account-Group
7.		Empty filter
8.		Active filter
9.	Select	Select Item from list
10.	Post	Post Account transaction by crediting Amount at Source-Account
11.	Post	Post Account transaction by debiting Amount from Source-Account
12.	amount	Amount in green color indicate credit
13.	amount	Amount in red color indicate debit
14.	Go!	Apply filter
15.	Send	Send SMS