

ReceiptPro

TECHNICAL DOCUMENTATION

Prepared by:

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ReceiptPro is an innovative software that is made to lessen the hassles of receipt data entry. As a better alternative to MS Excel, it is capable of greatly reducing processing times and in executing different functions. Real-time statistics, analytics, and progress of different types of receipts can be viewed and evaluated in ReceiptPro. By assigning project files or receipt files to an individual, they can start the processing and can be done with it in a simplified and quick manner.

To be brief, The ReceiptPro, will reflect multiple benefits for an organization in implementing successful business opertaions.

SYSTEM REQUIREMENTS

SERVER SETUP: LAMP/WAMP/XAMPP

OPERATING SYSTEM: CENTOS 7 /WINDOWS XP/7/10

RAM : MIN 4GB

DISK SPACE: 250GB

PHP VERSION: PHP7 ABOVE

MYSQL VERSION: 5 ABOVE

TECHNOLOGY AND PLATFORM

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| --- | --- | --- |
| **Backend** | Programming Language | PHP 7.0 |
| Frameworks/CMS | CorePHP |
| Database | Mysql5.6 |
| **Frontend** | Platform | HTML |
| Version | HTML 5 |

ACCESS LEVELS:

USER LEVEL

ADMIN LEVEL

PROJECT HIERARCHY

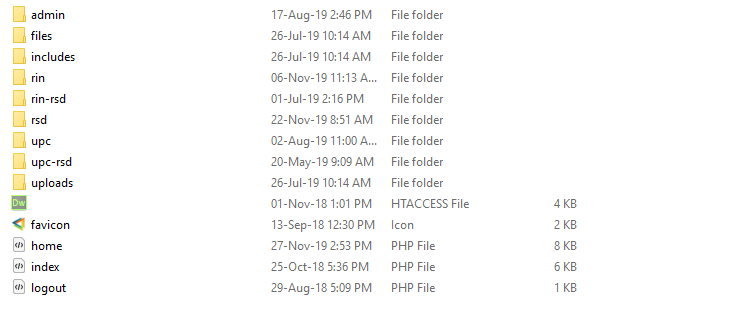


Fig. ReceiptPro

The Web Application is classified into two levels. Admin and User level. Both level has a separate login area. And the project is divided into 5 modules.

1. RIN
2. RIN-RSD
3. RSD
4. UPC
5. UPC-RSD

For RSD folder structure is given below.

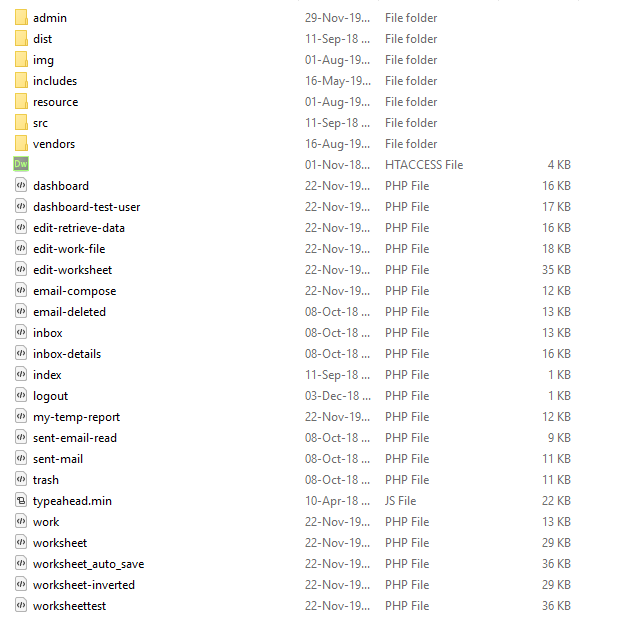


Fig. RSD User

For each module has an admin part which is used to handle the web application like assigning receipts, uploading receipts, deleting receipts, user management, reporting etc. Any admin user can switch to other modules by clicking the switch button on the top right corner. Also we are running two cronjobs for calculating the performance and automatic work assigning if there are any pending receipts for the previous day.

All the uploaded receipts will be stored in the admin->uploads folder. For extracting and uploading the data to database please check “upload-files.php”.

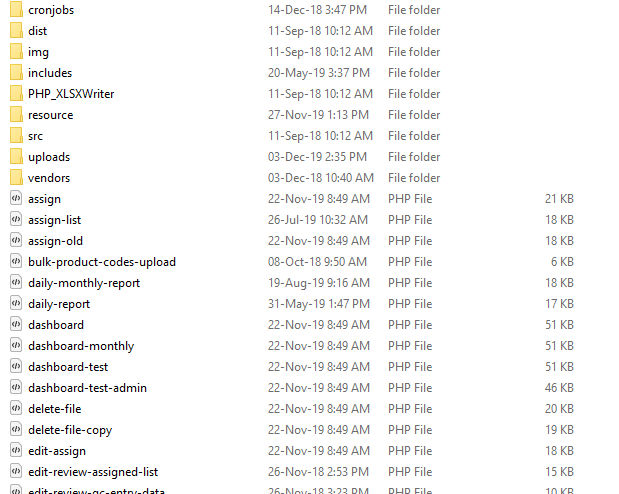


Fig. RSD Admin

Database Structure

Database Name: eric\_ettu\_rsd

ReceiptPro RSD database consist of 20 tables.

1. active\_users
2. auto\_save\_data
3. contact\_users
4. core\_csv\_uploaded\_files
5. daily\_vendor\_assigned\_receipts
6. history\_vendor\_list
7. individual\_work\_analysis -
8. qc\_receipts\_log
9. receipt\_data
10. receipt\_uploads
11. receipt\_upload\_list
12. rsd-products
13. sent-items
14. temp\_qc\_receipts
15. temp\_receipt\_data
16. trash
17. users
18. vendor\_list
19. worksheet\_update\_log
20. work\_assign

active\_users

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **act\_users** | int(100) | Active Users |  | Unique Index | No | This field is a unique numeric identifier for the active users. This identifier should be used by all data collectors for the site |
| **username** | varchar(200) | Username | All Alphanumeric identifiers |  | No | This field is for storing the username of users. All valid email formats accepted |
| **last\_login\_date** | varchar(255) | Last Login Date | All dates accepted. |  | No | This field is for storing the current data of the user’s session. Every time user logout and login the date field is updated. |
| **login\_time** | varchar(50) | Login Time | Timestamp |  | No | This field stored the converted current login time to timestamp. This is used finding the session duration. |
| **login\_status** | int(50) | Login Status | Boolean | 0 or 1 | No | This column is used to find the user logged in or not |

[auto\_save\_data](http://192.168.40.100/phpmyadmin/sql.php?db=eric_ettu_rsd&table=auto_save_data)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **save\_id** | int(100) | Save ID | Numbers |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |
| **rcpro\_id** | varchar(100) | ReceiptPro ID | Numbers |  | No | This field is a numeric identifier. It stores the uploaded receipts id |
| **uf\_id** | varchar(100) | Uploaded File ID | Numbers |  | No | Uploaded file ID stores here. |
| **inserted\_on** | varchar(11) | Inserted On | Date |  | No | Stores the DE inserted date value. |
| **uploaded\_on** | date | Uploaded On | Date |  | No | Stores the uploaded file date. |
| **Transcription \_type** | varchar(50) | Transaction Type | Alphanumeric |  | No | Stores the type of the receipts. Eg: RSD,RIN,UPC |
| **receipt\_id** | varchar(200) | Receipt ID | Numeric |  | No | This field stores the receipt id of each files. This value is coming from CSV file which we have uploaded. |
| **banner\_id** | varchar(100) | Banner ID |  |  | No | This field stores the ID of the banner image. This value is coming from uploaded CSV. While doing DE they have to confirm the banner image is same. |
| **total** | decimal(10,2) | Total | Decimal |  | No | This field stores the Total of the receipt. The value is coming from the uploaded CSV. |
| **transaction\_date** | varchar(200) | Transaction date | Date |  | No | This is the date of the purchase. Autofill by CSV upload. |
| **transaction\_time** | varchar(100) | Transaction Time | Time |  | No | Time of the purchase taken, Autofill by CSV upload |
| **sr\_no** | varchar(100) | Serial Number | Number |  |  | This is the order of the product item entered by DE. |
| **item\_type** | Text | Item Type | Item ,coupon, void |  | No | Type of product items |
| **qty** | varchar(100) | Quantity | Number |  | No | Quantity of the individual products |
| **rsd** | longtext | RSD Product Name | Alphanumeric |  | No | Product description entered by DE |
| **Price** | varchar(100) | Price | Decimal |  | No | Price of each individual Item |
| **per\_item** | varchar(200) | Per Item | Number |  | NO | This is value of the per product. Calculated by the division of price and quantity |
| **rejection\_reason** | varchar(100) | Rejection Reason |  |  | No | This field contain any rejection reason entered by DE. |
| **worker\_id** | varchar(100) | Worker ID |  |  | No |  |
| **image\_1** | varchar(100) | Image 1 | filename |  | No | Uploaded Image |
| **image\_2** | varchar(100) | Image 2 | filename |  | No | Uploaded Image |
| **image\_3** | varchar(100) | Image 3 | filename |  | No | Uploaded Image |
| **image\_4** | varchar(100) | Image 4 | filename |  | No | Uploaded Image |
| **image\_5** | varchar(100) | Image 5 | filename |  | No | Uploaded Image |
| **image\_6** | varchar(100) | Image 6 | filename |  | No | Uploaded Image |
| **image\_7** | varchar(100) | Image 7 | filename |  | No | Uploaded Image |
|  |  |  |  |  |  |  |
| **image\_8** | varchar(100) | Image 8 | filename |  | No | Uploaded Image |
| **image\_9** | varchar(100) | Image 9 | filename |  | No | Uploaded Image |

contact\_users

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **c\_id** | int(50) | Contact Users ID | Numeric |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |
| **username** | longtext | Email | Alphanumeric |  | No | This field is for storing the username of users. All valid email formats accepted. |
| **email\_from** | varchar(300) | Name | Alphanumeric |  | No | This field is for storing the name of the user. Storing name of the sender |
| **email** | varchar(300) | Username | Alphanumeric |  | No | This field is for storing the username of users. All valid email formats accepted. |
| **cc** | varchar(200) | Cc | Alphanumeric |  | No | Storing CC emails |
| **subject** | varchar(300) | Subject | Alphanumeric |  | NO | This is for storing the subject of the email |
| **body** | longtext | Body | Alphanumeric |  | No | This field is for storing the email body of the email. This is a long text. |
| **submitted\_time** | varchar(300) | Submitted Time | Date time |  | No | This filed stores email sent time. |
| **status** | int(50) | Status | 0 or 1 |  | No | 0 means unread. |
| **bulk\_status** | varchar(400) | Bulk Status |  |  | No | Stores the id of the users who read the messages. |
| **Star** | varchar(50) | Star | Numeric |  | No | Stores the Id of a user who marked an email as starred. |
| **action** | int(50) | Action | Numeric |  | No |  |
| **modified\_time** | varchar(200) | Modified Time | DateTime |  | No | Stores the modified date time. |
| **comments** | varchar(200) | Comments | Alphanumeric |  | No | Comments if any |

core\_csv\_uploaded\_files

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **rcpro\_id** | int(50) | ReceiptPro ID | Number |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |
| **Transcription \_type** | varchar(50) | Transaction Type | Alphanumeric |  | No | Stores the type of the receipts. Eg: RSD,RIN,UPC |
| **receipt\_id** | varchar(200) | Receipt ID | Numeric |  | No | This field stores the receipt id of each files. This value is coming from CSV file which we have uploaded. |
| **banner\_id** | varchar(100) | Banner ID |  |  | No | This field stores the ID of the banner image. This value is coming from uploaded CSV. While doing DE they have to confirm the banner image is same. |
| **total** | decimal(10,2) | Total | Decimal |  | No | This field stores the Total of the receipt. The value is coming from the uploaded CSV. |
| **transaction\_date** | varchar(200) | Transaction date | Date |  | No | This is the date of the purchase. Autofill by CSV upload. |
| **sr\_no** | varchar(100) | Serial Number | Number |  |  | This is the order of the product item entered by DE. |
| **item\_type** | Text | Item Type | Item ,coupon, void |  | No | Type of product items |
| **image\_1** | varchar(100) | Image 1 | filename |  | No | Uploaded Image |
| **image\_2** | varchar(100) | Image 2 | filename |  | No | Uploaded Image |
| **image\_3** | varchar(100) | Image 3 | filename |  | No | Uploaded Image |
| **image\_4** | varchar(100) | Image 4 | filename |  | No | Uploaded Image |
| **image\_5** | varchar(100) | Image 5 | filename |  | No | Uploaded Image |
| **image\_6** | varchar(100) | Image 6 | filename |  | No | Uploaded Image |
| **image\_7** | varchar(100) | Image 7 | filename |  | No | Uploaded Image |
|  |  |  |  |  |  |  |
| **image\_8** | varchar(100) | Image 8 | filename |  | No | Uploaded Image |
| **image\_9** | varchar(100) | Image 9 | filename |  | No | Uploaded Image |
| **file\_id** | varchar(100) | Uploaded File ID | Numbers |  | No | Uploaded file ID stores here. ID is auto imported from ReceiptUploads |
| **uploaded\_on** | date | Uploaded On | Date |  | No | Stores the uploaded file date. |
| **uploaded\_by** | varchar(200) | Uploaded By | Username |  | No | This field stores the username of the uploaded person |
| **file\_status** | varchar(100) | File Status |  |  | No | Stores the status of the file. |
| **assign\_record** | int(50) | Assign Record | 0 or 1 |  | No |  |
| **assigned\_person** | longtext | Assigned Person |  |  | No | Name of the DE |
| **user\_id** | int(100) | User ID |  |  | No | User Id of DE |
| **assigned\_date** | date | Assigned Date | Date | ` | No | Stores the Receipt Assigned Date to DE |
| **work\_assign\_id** | int(100) | Work Assign ID |  |  | No | Stores the Work Assign table ID |
| **task\_complete** | varchar(10) | Task Complete | Numeric | 0,1,2 | No | Stores task completion status. 0 means assigned. 1 means current receipt. @ means completed receipts |
| **task\_complete\_date** | varchar(200) | Task complete date | Date |  | No | DE completed date. |

individual\_work\_analysis

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **wa\_id** | int(20) | Work Analysis ID | Number |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |
| **username** | varchar(200) | Username | Email |  | No | This field is for storing the username of users. All valid email formats accepted. |
| **user\_id** | int(10) | User ID | User ID |  | No | Stores the User ID of the user. |
| **assigned\_by** | varchar(100) | Assigned By |  |  | No | Stores the name of the assigned person |
| **assigned\_date** | varchar(20) | Assigned Date |  |  | No | DE assigned date |
| **file\_id** | varchar(100) | File ID |  |  | No | Stores the ID of the File |
| **record\_count** | int(20) | Record Count |  |  | No | Stores the record count assigned. |
| **record\_complete** | int(20) | Record Complete |  |  |  | Stores the total completed receipt count. |
| **record\_complete\_date** | varchar(100) | Record Complete date |  |  | No | Stores the record completed date. Which is updated by a CRON |
| **total\_rows** | int(11) | Total Rows |  |  | No | Total Rows of the receipt’s DE |
| **work\_assign\_id** | int(20) | Total |  |  | No | Stores the work assign ID |

qc\_receipts\_log

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **Id**Primary | int(11) | ID | Number |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |
| **rcpro\_id** | int(11) | ReceiptPro ID | Numbers |  | No | This field is a numeric identifier. It stores the uploaded receipts id |
| **file\_name** | varchar(200) | File Name |  |  | No | Stores name of the uploaded receipts. |
| **receipt\_id** | int(11) | Receipt ID |  |  | No | Stores the receipt ID which is same as in core csv uploaded table. |
| **updated\_time** | datetime | Updated Time |  |  | No | Receipt Updated Time. |
| **updated\_by** | varchar(200) | Updated by |  |  | No | Receipt Updated person name. |
| **qc\_status** | int(11) | QC Status | 1 Or 2 |  | No | Status of the QC Entry |

receipt\_data

This table has connection with Core\_csv\_uploaded\_files

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **r\_id** | int(100) |  | Numeric |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |
| **rcpro\_id** | varchar(50) |  |  |  |  | Stores the receipt pro ID. Coming from Corecsv uploaded table. |
| **uf\_id** | varchar(100) | Uploaded File ID | Numbers |  | No | Uploaded file ID stores here. |
| **inserted\_on** | varchar(11) | Inserted On | Date |  | No | Stores the DE inserted date value. |
| **uploaded\_on** | date | Uploaded On | Date |  | No | Stores the uploaded file date. |
| **Transcription \_type** | varchar(50) | Transaction Type | Alphanumeric |  | No | Stores the type of the receipts. Eg: RSD,RIN,UPC |
| **receipt\_id** | varchar(200) | Receipt ID | Numeric |  | No | This field stores the receipt id of each files. This value is coming from CSV file which we have uploaded. |
| **banner\_id** | varchar(100) | Banner ID |  |  | No | This field stores the ID of the banner image. This value is coming from uploaded CSV. While doing DE they have to confirm the banner image is same. |
| **total** | decimal(10,2) | Total | Decimal |  | No | This field stores the Total of the receipt. The value is coming from the uploaded CSV. |
| **transaction\_date** | varchar(200) | Transaction date | Date |  | No | This is the date of the purchase. Autofill by CSV upload. |
| **transaction\_time** | varchar(100) | Transaction Time | Time |  | No | Time of the purchase taken, Autofill by CSV upload |
| **sr\_no** | varchar(100) | Serial Number | Number |  |  | This is the order of the product item entered by DE. |
| **item\_type** | Text | Item Type | Item ,coupon, void |  | No | Type of product items |
| **qty** | varchar(100) | Quantity | Number |  | No | Quantity of the individual products |
| **rsd** | longtext | RSD Product Name | Alphanumeric |  | No | Product description entered by DE |
| **Price** | varchar(100) | Price | Decimal |  | No | Price of each individual Item |
| **per\_item** | varchar(200) | Per Item | Number |  | NO | This is value of the per product. Calculated by the division of price and quantity |
| **rejection\_reason** | varchar(100) | Rejection Reason |  |  | No | This field contain any rejection reason entered by DE. |
| **worker\_id** | varchar(100) | Worker ID |  |  | No |  |
| **image\_1** | varchar(100) | Image 1 | filename |  | No | Uploaded Image |
| **image\_2** | varchar(100) | Image 2 | filename |  | No | Uploaded Image |
| **image\_3** | varchar(100) | Image 3 | filename |  | No | Uploaded Image |
| **image\_4** | varchar(100) | Image 4 | filename |  | No | Uploaded Image |
| **image\_5** | varchar(100) | Image 5 | filename |  | No | Uploaded Image |
| **image\_6** | varchar(100) | Image 6 | filename |  | No | Uploaded Image |
| **image\_7** | varchar(100) | Image 7 | filename |  | No | Uploaded Image |
|  |  |  |  |  |  |  |
| **image\_8** | varchar(100) | Image 8 | filename |  | No | Uploaded Image |
| **image\_9** | varchar(100) | Image 9 | filename |  | No | Uploaded Image |

receipt\_uploads

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **rcid** | int(11) | ReceiptID | Numeric |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |
| **file\_name** | varchar(200) | File Name | Alpha Numeric |  | No | This is long descriptive name of the uploaded filename uploaded from admin/upload page. The name is auto fetched from the uploaded zip filename. |
| **date\_uploaded** | Date | Uploaded Date |  |  | No | This is the uploaded file’s date |
| **uploaded\_by** | varchar(100) | Uploaded By |  |  | No | To identify the uploaded person, this field is using. It is a user email |
| **status** | int(20) | Status | 0 or 1 |  | No | Status of the uploaded file |

receipt\_upload\_list

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **rlid** | int(12) | Receipt upload list ID | Numeric |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |
| **rcid** | int(20) | Receipt ID | Numeric |  |  | This is the uploaded id coming from the receipt\_uploads table. |
| **file\_name** | varchar(100) | File name | Alphanumeric |  | No | This is the filename of the uploaded file. |
| **date\_uploaded** | varchar(100) | Date Uploaded | Date |  | No | File uploaded date is stored here |
| **uploaded\_by** | varchar(100) | Uploaded By | User Email |  | No | Uploaded user email stored here |
| **total\_receipts** | int(100) | Total Receipts | Numeric |  | No | This is the count of total number of rows inside the uploaded csv. |
| **unassigned\_count** | int(100) | Unassigned Receipt’s Count | Numeric |  | No | Stores the total unassigned receipts to DE person |
| **assigned\_count** | int(100) | Assigned Count | Numeric |  | No | Stores the total assigned count of the receipts to DE person. |

rsd-products

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type\* | Descriptive name | Valid Values | Index Column | Allow Nulls | Description |
| **rlid** | int(12) | Receipt upload list ID | Numeric |  | No | This field is a numeric identifier for the site. This field is the primary key of this table. |