PERSONAL EXPENSE TRACKER APPLICATION

A PROJECT REPORT Submitted by

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ABSTRACT:

The web application "Expense Tracker" is developed to manage the daily expenses in a more efficient and manageable way. By using this application we can reduce the manual calculations of the daily expenses and keep track of the expenditure. In this application, user can provide his income to calculate his total expenses per day and these results will be stored for each user. The application has the provision to predict the income and expense for the manager using data mining. In this application, there are 3 logins such as admin, manager and staff. Admin has the privilege to add, edit, delete manager, add, edit, delete staff, and to get all custom reports. For Manager, the privileges are to add type of expense, verify expense, add type of income, verify income and generate reports. For staff, the privileges are to add and edit expense, income and calculations, and send for verification.

INTRODUCTION:

Daily Expense Tracker System is designed to keep a track of Income-Expense of an organization on a day-to-day basis. This System divides the Income based on daily expenses. If exceed day's expense, system will calculate income and will provide new daily expense allowed amount. Daily expense tracking System will generate report at the end of month to show Income-Expense graph. And employees send reports to the manager for verification. Manager send final reports to administrator .Based on the final reports system predict the next month expense . It will helps to manage over all expense and income . Businesses utilize expense management software to process, pay, and audit employee-

initiated expenses. The software includes capabilities for employees to input expenses for approval through a forms. Expense management software simplifies and automates a business' expense entry, eliminates paper trail, and reduces administrative effort.

Expense management software allows administrators to have full visibility of and track employee use of business financial resources. Expense management software analyzes overall expenses, identifies cost-saving opportunities, and controls excessive spending. "Expense Tracker" is developed to manage the daily expenses in a more efficient and manageable way. By using this application, we can reduce the manual calculations of the daily expenses and keep track of the expenditure. In this application, user can provide his income to calculate his total expenses per day and these results will be stored for each user. The

In this application, user can provide his income to calculate his total expenses per day and these results will be stored for each user. The application has the provision to predict the income and expense for the manager using data mining. Budgeting systematically and Expense Tracking takes a crucial role in managing the expenses of business organizations. Expense tracking (for managing the employee developed expenses) will bring in several advantages for an organization. That are helpful for the stake-holders in processes of expense. The expense tracker will help any organization to deal with all their expenses more efficiently. By using software for managing expense tracking will help to control unnecessary expenses. There are several benefits and advantages of using online expense trackers, expense tracking makes any organization run faster and smoother.

ABSTRACT:

In recent years, the huge amount of information and users of the internet service, it is hard to know quickly and accurately what the user This phenomenon leads to an extremely low utilization of information, also known as the information overload problem. Traditionally, keywords are used to retrieve images, but such methods require a lot of annotations on the image data, which will lead to serious problems such as inconsistent, inaccurate, and incomplete descriptions, and a huge amount of work. To solve this problem, Content Based Information Retrieval (CBIR) has gradually become a research hotspot. CBIR retrieves picture objects based entirely on the content. The content of an image needs to be represented by features that represent its uniqueness. Basically, any picture object can be represented by its specif c shapes, colour, and textures. These visual characteristics of the image are used as input conditions for the query system, and a result the system will recommended nearest images and data set. This research designs and implements twostage deep learning-based model that recommends a clothing fashion style. This model can use deep learning approach to extract various attributes from images with clothes to learn the user's clothing style and preferences. These attributes are provided to the correspondence model to retrieve the contiguous related images for recommendation. Based on data-driven, this thesis uses convolution neural network as a visual extractor of image objects. This experimental

model shows and achieves better results than the ones of the previous schemes.

Recommendation systems are the techniques that are used to predict the rating one individual will give to an item or social entity. The items can include books, movies, restaurants and things on which individuals have different preferences. These preferences are being predicted using two

approaches first content-based approach which involves characteristics of an item and second collaborative filtering approaches which considers user's past behaviour to evaluate its choices. This thesis proposes a fashion recommendation system which will recommend clothing images supported the style sort of the provided clothing images. In this work, we focus on the images of upper body as well as the lower body clothing and with human model in the images. We have created our own datasets through web scrapping of different e commerce websites. In this paper we have come up with an idea to build a content-based recommendation system using ResNet-50 constitutional neural network.

Keywords: Cloth Recommendation, Constitutional Neural Network, Similarity Measure.

RECOMMENDED SYSTEM:

Tracking your spending is often the first step in getting your finances in order. By understanding what you spend money on and how much you spend, you can see exactly where your cash is going and areas where you can cut back.

It's easy to make this part of your everyday routine thanks to expense tracker apps that help you manage your money on the go. These apps certainly overlap with budgeting apps, but while the latter provides a big-picture view of your finances, expense tracker apps put more of an emphasis on your spending. These apps usually categorize your expenses and help you get a good idea of your purchasing behavior.

Whether you want an expense tracker app that easily captures all your transaction data, one that automates the expense reporting process at your job or one that holds you accountable by requiring you to manually input each one of your transactions, there's an app out there for

you.

To determine which expense tracker apps are the best overall, Select reviewed and compared over a dozen apps, looking at their pricing and features. To rank the top five, we only considered apps that focus on expenses, come with low (or no) cost to sign up, are easy to use and can be accessed on multiple devices. We favored those that have a considerable number of user reviews and high ratings.

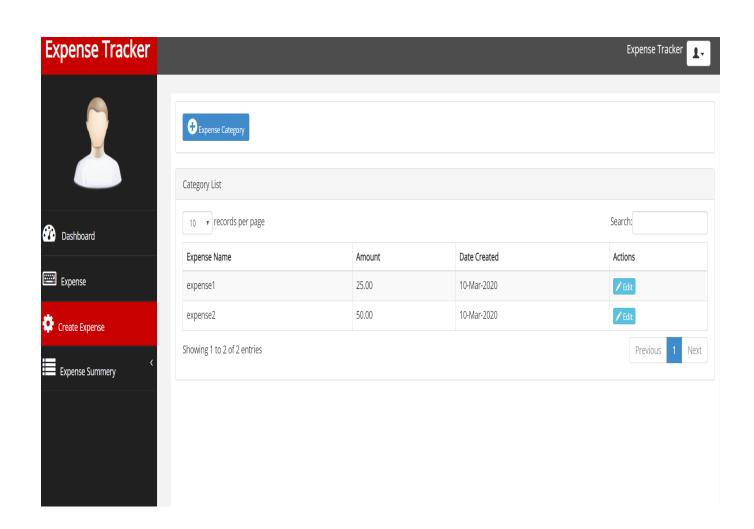
The five apps we selected for this ranking are either free, offer a free version or have a free trial for users to test out before signing up. They have tens of thousands of reviews in the App Store (for iOS) and on Google Play (for Android) combined, as well as a rating of 4 stars (out of 5) or higher on both platforms.

Below, Select reviews the top five expense tracker apps. (See our methodology for more information on how we choose the best expense tracker apps.)

LITERATURE REVIEW:

Intelligent Online Budget Tracker The development of this application has been conducted in a stepwise manner using the well-defined methodology, RUP, customized according to the requirements of the system. Most of the goals set at the start of the development phase have been met. Security problems like web security or network security have also been treated in the design and development of the system, thus increasing the reliability of the system. Quality management issues have also been handled satisfactorily. B. Online Income and Expense Tracker This project is work more efficient than the other income and expense tracker. The project successfully avoids the manual calculation for calculating the income and expense per month. The modules are developed efficiently and also in an attractive manner. C. Family Expense Manager Application As the result, the user can make use of this application in his/her daily life. After being used it can be a part of daily life

to update and view daily expenses and family expenses. This helps to keep track of expenses & manage it for the user as they are busy in their daily routine, they are not able to keep track of their incomes & expenses. D. Personalized Expense Managing Assistant Using Android Some of the features are like enabling users to register to the application using an existing email or social network account, it will synchronize the user's profile information to the application. Apart from this, the application can be used to gather samples of data related to user's expenses with consents and use those sample data as parameters to assess patterns of spending. Using some data mining techniques expenses can be classified and can be used in market analysis and planning



Financially Aware and Improve Money Management tracking your expenditures ensures you achieve your project financial targets. How is that? By clearly understanding your project spending using project budget limits, you can aptly make the necessary changes to complete your project within time and budget. Effective expense tracking and reporting to avoid conflict. As a project manager or business owner, you can set clear policies for the expense types and reimbursement limits to avoid misunderstandings are about costs. Tracking the project expenses by asking team members to provide receipts is helpful to avoid conflict and maintain compliance also. An excellent reporting mechanism is extremely helpful to support the amount to be reimbursed to your team and also invoicing to your customer.



Helps anticipate the costs of similar projects When you formally track and report expenses, you have a permanent documentation which

helps you correctly anticipate expenses for similar projects in the future. This is even more significant when it comes to budget-making process. Tracking the amount of money spent on the projects is important to invoice customers and determine the cost & profitability analysis when your company is providing services to another company. On the other hand, expense tracking or internal project is important for cost and ROI calculation. Understanding how this money is being utilized across the project is such a significant issue. The consequence for not properly tracking and reporting project expenses may lead to a budgetary issues.

PROJECT PHASE

PHASE 1:

The first phase is done by brainstorming the solution for the problem occurred. Hence, this project, Expenses Tracker System was decided. At this stage, all possible requirements are collected in order to develop the system by doing questionnaire. The requirements then are analyzed and documented.

PHASE 2: SYSTEM DESIGN

During this phase, the requirements captured from the first phase are studied and the system design for Expenses Tracker is prepared which specifies hardware and system requirements. This is to ensure that every requirement and any related things need to be done are suitable with the system. This stage will help in defining the overall system architecture for Expenses Tracker System

Designing the Context Diagram(CD), Data Flow Diagram(DFD), and Entity Relationship Diagram(ERD) are also being done here in order to translate the process flow of Expenses Tracker System.

PHASE 3: IMPLEMENTATION

As the name implies, in this phase the source code is written as per requirements. The information from the previous stage is taken and a working code is written to create a functional product. Small pieces of code will be implemented and then are integrated at the end of this phase or the beginning of the next. For Expenses Tracker System

PHASE: 4 TESTING

Once the implementation is completed, the final product of Expenses Tracker will be tested and evaluated to find any problem that might occur on its performance. Bugs is fixed in this phase. This is also where the system will be determine whether it meets the requirements or not

Hardware Requirement

S.NO	ASPECT	DETAILS
1	LAPTOP	Intel core i5
	And CPU	
2	RAM	8 GB
3	OPERATING SYSTEM	Windows 10
4	ROM	256 GB
5	SYSTEM TYPE	64 - bits

Framework Design

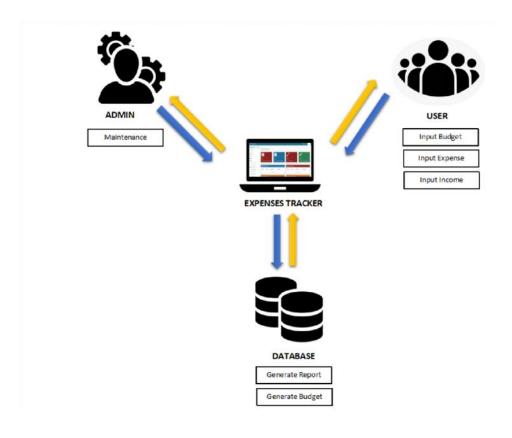
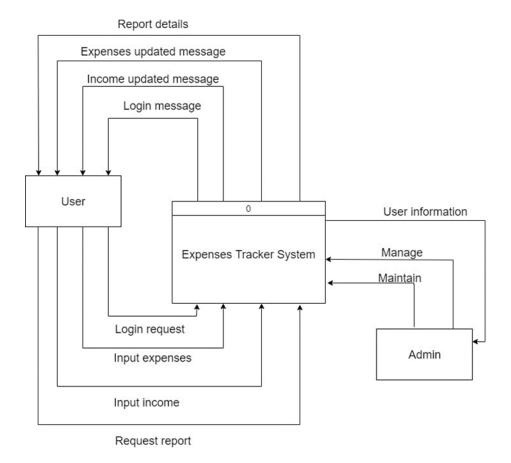


Figure 3.2

The framework for Expenses Tracker System includes Admin, User, Database and the system itself. Based on Figure 3.2 above, it shows the flow of how the system works in general where users can input their income, expense and budget to the system and all the data will be stored in the database. From the database, the data will be analyzed and new report and budget will be generated.



The main process flow of how Expenses Tracker works. There two entities involved, Admin and User. The role of Admin is that they can manage the data of the user and do the maintenance. Meanwhile, user is required to register their profile in order to use the system. User is allowed to input their income and expense.

User can be login to the system as a first step to get into the system. Then, other processes carried in this module are Manage Income, Manage Expenses and Generate Report from the system.

PROJECT DEVELOPMENT PHASE

```
INDEX PAGE
         <?php
         session_start();
         ob_start();
         require_once('db_config.php');
         // $con = register('localhost', 'root', 'admin', 'expense_tracker');
         //A function to get difference between to numbers
         function diff($a=0, $b=0){
           c = (a - b);
           return $c;
         // echo diff(3,5);
         if(isset($_POST['submit'])
                                     &&
                                           !empty($_POST['amount_spent'])
&&
                                     !empty($_POST['expense_category_id'])
&& !empty($_POST['expense_date'])
         && !empty($_POST['expense_description'])){
            // echo print_r($_POST);
          // exit:
            $amount_spent
mysqli_real_escape_string($con,$_POST['amount_spent']);
            @$expense_date
mysqli_real_escape_string($con,$_POST['expense_date']);
            $expense description
mysqli_real_escape_string($con,$_POST['expense_description']);
            $expense_category_id
mysqli_real_escape_string($con,$_POST['expense_category_id']);
```

```
$created_at = date('Y-m-d');
           $zero ='0';
           //get a particular row amount and expense_name
           $getAll = mysqli_query($con, "SELECT expense_category_name,
                  expense_category_tbl WHERE expense_category_id
         FROM
amount
=".$expense category id." '");
           while($row = mysqli_fetch_assoc($getAll))
           $_amount = $row['amount']; //SET AMOUNT
           $ expense category name = $row['expense category name'];
           // exit;
           }
           $getBal = mysqli_query($con, "SELECT expense_category_id,
SUM(amount spent) AS
                          amount spent FROM
                                                  expense tbl
                                                               WHERE
expense_category_id =".$expense_category_id."
                                                        GROUP
                                                                    BY
expense_category_id ");
           $sum=0;
          while ($row = mysqli_fetch_assoc($getBal)){
           $_amount_spent = $row['amount_spent'];
           $sum += $ amount spent;
         $sum:
        //exit;
           $balance = $_amount - $sum;
           // exit:
           if($balance < 0)
           {
```

```
echo '
            <script type="text/javascript">
            confirm("You
                              are
                                        spending
                                                       too
                                                                much
                                                                            on
'.ucfirst($_expense_category_name).' ");
            </script>';
            // exit;
            }
                $data
                                  mysqli_query($con,
                                                           "INSERT
                                                                         INTO
expense_tbl(expense_category_id,expense_description,expense_date,create
d_at,deleted,amount_spent)
VALUES("".$expense_category_id."", ".$expense_description."", ".$expense_da
te."','".$created_at."','".$zero."','".$amount_spent."')");
            //if data inserted successfully
            if(@$data === TRUE)
              echo '
                <script type="text/javascript">
                alert("Success!");
                </script>';
            }
          else{
                $message = "All fields are required";
          ?>
```

```
<!DOCTYPE html>
         <a href="http://www.w3.org/1999/xhtml">
         <head>
             <meta charset="utf-8" />
                    name="viewport" content="width=device-width,
            <meta
                                                                     initial-
scale=1.0" />
            <title>Record Expense</title>
           <!-- BOOTSTRAP STYLES-->
            <link href="assets/css/bootstrap.css" rel="stylesheet" />
            <!-- FONTAWESOME STYLES-->
            <link href="assets/css/font-awesome.css" rel="stylesheet" />
            <!-- MORRIS CHART STYLES-->
              <!-- CUSTOM STYLES-->
            <link href="assets/css/custom.css" rel="stylesheet" />
            <!-- GOOGLE FONTS-->
                    href='http://fonts.googleapis.com/css?family=Open+Sans'
           k
rel='stylesheet' type='text/css' />
            <!-- TABLE STYLES-->
                        href="assets/js/dataTables/dataTables.bootstrap.css"
            k
rel="stylesheet" />
             <!--ASWESOME ICON-->
                     rel="stylesheet"
                                         href="font-awesome-4.5.0/css/font-
            link
awesome.min.css">
           <!-- <script language="javascript" type="text/javascript">
         function removeSpaces(string) {
          return string.split(' ').join(");
         </script> -->
```

```
function trim(strText) {
            // this will get rid of leading spaces
            while (strText.substring(0,1) == ' ')
               strText = strText.substring(1, strText.length);
            // this will get rid of trailing spaces
            while (strText.substring(strText.length-1,strText.length) == ' ')
               strText = strText.substring(0, strText.length-1);
            return strText;
          //--></script>
          </head>
          <body>
             <div id="wrapper">
                        class="navbar navbar-default
                                                            navbar-cls-top
               <nav
role="navigation" style="margin-bottom: 0; color:#FF0">
                  <div class="navbar-header" >
                    <but
                               type="button"
                                                class="navbar-toggle"
                                                                          data-
toggle="collapse" data-target=".sidebar-collapse">
                       <span class="sr-only">Toggle navigation</span>
                       <span class="icon-bar"></span>
                       <span class="icon-bar"></span>
                       <span class="icon-bar"></span>
                    </button>
```

<script language="JavaScript"><!--</pre>

```
class="navbar-brand"
                                         href="index.html">Expense
                <a
Tracker</a>
              </div>
              <!-- dddddddddd -->
        <div style="color: white;padding: 15px 50px 5px 50px;float:</pre>
right;font-size: 16px;">Expense Tracker   <div class="btn-group pull-
right">
                <button class="btn btn-default dropdown-toggle" data-</pre>
toggle="dropdown">
                        class="glyphicon
                                          glyphicon-user"></i><span
                  <i
class="hidden-sm hidden-xs"> </span>
                  <span class="caret"></span>
                </button>
                <
                 <a href="#"><span class="glyphicon glyphicon-log-out">
Logout</span></a>
              <a href="#"><i class="glyphicon glyphicon-edit"></a>
Change Password</i></a>
                </div>
             </div>
            </nav>
             <!-- /. NAV TOP -->
                <nav class="navbar-default navbar-side" role="navigation">
              <div class="sidebar-collapse">
```

```
<img src="assets/img/find_user.png" class="user-image"</pre>
img-responsive"/>
                           <
                           href=" "><i class="fa fa-dashboard fa-3x"></i>
                      <a
Dashboard</a>
                   >
                     <?php
                    echo" <a class='active-menu' href='index.php'><i
class='fa fa-keyboard-o fa-2x'></i>Expense</a>";
                    ?>
                   >
                  <?php
              echo' <a href="expense_category.php"><i class="fa fa-
cog fa-2x" aria-hidden="true"></i>Create Expense</a>';
         ?>
                    <?php
```

```
echo' 
                      <a href="#"><i class="fa fa-list fa-2x"></i>Expense
Summery<span class="fa arrow"></span></a>
                       ul class="nav nav-second-level">
                <
                          <a href="expense_report.php"><i class="fa fa-
file"></i>Expense Report</a>
                        <
                          <a href=" "><i class="fa fa-check-circle"></i> </a>
                            <a href=" "><i class="fa fa-pause"></i> </a>
                            ';
```

```
<!-- </ul>-->
          </div>
   </nav>
   <!-- /. NAV SIDE -->
   <div id="page-wrapper" >
     <div id="page-inner">
             <!-- Modals-->
         <div class="panel panel-default">
           <!-- <div class="panel-heading">
             Modals Example
           </div> -->
           <div class="panel-body">
```

```
<button class="btn btn-primary btn-sm"</pre>
                                                                      data-
toggle="modal" data-target="#myModal">
                          <i class="fa
                                        fa-plus-circle fa-2x"></i>
                                                                      Enter
Expenses
                          </button>
                          <div class="modal fade" id="myModal" tabindex="-
1" role="dialog" aria-labelledby="myModalLabel" aria-hidden="true">
                             <div class="modal-dialog">
                               <div class="modal-content">
                                  <div class="modal-header">
                                            type="button"
                                                              class="close"
                                    <bul>button
data-dismiss="modal" aria-hidden="true">×</button>
                                    <h4
                                                          class="modal-title"
id="myModalLabel"><i class="fa fa-plus-circle fa-1x"></i> Enter Expenses</h4>
                                  </div>
                                  <div class="modal-body">
                                   <div class="header" >
                <!--<h3 >Add New Department</h3>-->
            </div>
            <div class="content">
              <div>
                 <form
                                action="index.php"
                                                           method="POST"
enctype="multipart/form-data">
                   <!-- <div style=" margin-left:100px;"> -->
              <div class="row" >
              <div class="form-group col-md-6">
                <label for="expense_category_id">Expense Name:</label>
                 <select class="form-control" name="expense_category_id"</pre>
id="expense_category_id" required="">
                             value=""
                  <option
                                          selected="">Choose
                                                                   Expense
Category</option>
```

```
<?php
                  $getAll = mysqli_query($con, "SELECT *
                                                                   FROM
expense_category_tbl order by expense_category_name ASC");
                   while($row = mysqli_fetch_array($getAll)):
                 <option
                                       value="<?php
                                                                    echo
$row['expense_category_id']; ?>">
                  <?php echo $row['expense_category_name'];?>
                 </option>
               <?php endwhile; ?>
              </select>
              </div>
                <div class="form-group col-md-6" >
                  <label> Amount Spent: </label>
                                 type="text"
                                                   name="amount spent"
                   <input
id="amount_spent" class="form-control"placeholder="Please Enter Expense
Amount: onBlur="this.value=trim(this.value); required>
                 </div>
                 </div>
                 <div class="row" >
                  <div class="form-group col-md-6">
                   <label> Expense Description: </label>
                                             name="expense_description"
                  <input
                              type="text"
id="expense_description" class="form-control"placeholder="Please
                                                                    Enter
Expense Description: onBlur="this.value=trim(this.value); required>
              </div>
```

```
<div class="form-group col-md-6">
                 <label> Date: </label>
                                                     name="expense_date"
                                  type="date"
                   <input
id="expense_date" class="form-control"placeholder="Please Enter Expense
Date: onBlur="this.value=trim(this.value);" required>
               </div>
              </div>
                 <?php
                                      if(isset($message)){echo
                                                                      "<font
color='FF0000'><h5>$message</font></h5>";} ?>
            <!-- </div> -->
                                  <!-- </div> -->
                  <div class="row" >
                   <div class="form-group">
                   <div class="modal-footer">
                     <input type="submit" id="submit" name="submit"
value="Add" class="btn btn-primary" style=""/>
                     <input type="reset" id="rest" value="Cancel / Reset"</pre>
class="btn btn-danger" style=""/>
                    </div>
                   </div>
                 </div>
                 </div>
                </form>
                                  </div>
                               </div>
```

</div>

```
<div class="row">
                 <div class="col-md-12">
                   <!-- Advanced Tables -->
                   <div class="panel panel-default">
                     <div class="panel-heading">
                       Category List
                     </div>
                     <div class="panel-body">
                       <div class="table-responsive">
                         <table class="table table-striped table-bordered
table-hover" id="dataTables-example">
                            <thead>
             Expense Name 
             Budget 
             Amount Spent 
             Current Balance 
           </thead>
```

</div>

<!-- End Modals-->

</div>

</div>

```
<?php
                        $_sql = mysqli_query($con,
                                                               "SELECT
i.expense_category_id, s.amount as amount, s.expense_category_name,
SUM(i.amount_spent) as amount_spent
               FROM expense_tbl i, expense_category_tbl s
                                                                WHERE
(i.expense category id
                                s.expense_category_id)
                          =
                                                           group
                                                                     by
i.expense_category_id");
                             mysqli_query($con, "SELECT
          //
               $sql
                                                                 *FROM
                      =
expense_category_tbl i LEFT JOIN expense_tbl s ON i.expense_category_id=
s.expense_category_id
         // WHERE (s.expense category id>0)");
         // if (!$_sql) {
            printf("Error: %s\n", mysqli_error($con));
             exit();
         //
         // }
                                      while($row
mysqli_fetch_array($_sql))
                                 {
                                      echo '':
                                      echo
                                                                  ''.
$row['expense_category_name'] . '';
                 echo ''. $row['amount'] . '';
                                                                  ''.
                                      echo
number_format((float)$row['amount_spent'], 2, '.', "). '';
                  $diff = diff($row['amount'], $row['amount_spent']);
                   echo '':
                 if($diff < 0)
                 echo'<div class="btn btn-danger btn-xs" title="You have
                      '.$row['expense_category_name'].'
                                                              budget">'.
        spent
over
number_format((float)($diff), 2, '.', ") . '</div>';
```

```
if($diff == 0){
                   echo'<div class="btn btn-warning btn-xs" title="You have
                       '.$row['expense_category_name'].'
       budget
                                                                  budget">'.
no
number_format((float)($diff), 2, '.', ") . '</div>';
                  if($diff > 0)
                   echo '<div class="btn btn-primary btn-xs" title="You are
within
                                           '.$row['expense_category_name'].'
budget"">'.number_format((float)($diff), 2, '.', ") . '</div>';
                 echo' ';
                                    }
                                    ob_flush();
                               ?>
                        </div>
                        </div>
                      </div>
                      <!--End Advanced Tables -->
                   </div>
                 </div>
                   <!-- /. ROW -->
                 <div class="row"><!-- /. PAGE INNER -->
```

```
</div>
                  <!-- /. PAGE WRAPPER -->
                <!-- /. WRAPPER -->
               <!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
               <!-- JQUERY SCRIPTS -->
               <script src="assets/js/jquery-1.10.2.js"></script>
                <!-- BOOTSTRAP SCRIPTS -->
               <script src="assets/js/bootstrap.min.js"></script>
               <!-- METISMENU SCRIPTS -->
               <script src="assets/js/jquery.metisMenu.js"></script>
                <!-- DATA TABLE SCRIPTS -->
               <script src="assets/js/dataTables/jquery.dataTables.js"></script>
               <script
   src="assets/js/dataTables/dataTables.bootstrap.js"></script>
                  <script> $(document).ready(function () {
                       $('#dataTables-example').dataTable();
                    });
               </script>
                  <!-- CUSTOM SCRIPTS -->
               <script src="assets/js/custom.js"></script>
             </body>
             </html>
              EXPENSE REPORT PAGE
<?php
session_start();
ob_start();
require_once('db_config.php');
```

```
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head>
<meta charset="utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Record Expense</title>
<!-- BOOTSTRAP STYLES-->
<link href="assets/css/bootstrap.css" rel="stylesheet" />
<!-- FONTAWESOME STYLES-->
<link href="assets/css/font-awesome.css" rel="stylesheet" />
<!-- MORRIS CHART STYLES-->
<!-- CUSTOM STYLES-->
<link href="assets/css/custom.css" rel="stylesheet" />
<!-- GOOGLE FONTS-->
k href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />
<!-- TABLE STYLES-->
<link href="assets/js/dataTables/dataTables.bootstrap.css" rel="stylesheet" />
<!--ASWESOME ICON-->
k rel="stylesheet" href="font-awesome-4.5.0/css/font-awesome.min.css">
<!-- <script language="javascript" type="text/javascript">
function removeSpaces(string) {
return string.split(' ').join(");
</script> -->
<script language="JavaScript"><!--</pre>
function trim(strText) {
// this will get rid of leading spaces
while (strText.substring(0,1) == ' ')
strText = strText.substring(1, strText.length);
// this will get rid of trailing spaces
while (strText.substring(strText.length-1,strText.length) == ' ')
strText = strText.substring(0, strText.length-1);
return strText;
//--></script>
```

```
</head>
<body>
<div id="wrapper">
<nav class="navbar navbar-default navbar-cls-top " role="navigation" style="margin-bottom: 0;</p>
color:#FF0">
<div class="navbar-header" >
        type="button" class="navbar-toggle"
                                              data-toggle="collapse"
<bul>button
                                                                        data-target=".sidebar-
collapse">
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
<a class="navbar-brand" href="index.html">Expense Tracker</a>
</div>
<!-- dddddddddd -->
<div style="color: white;padding: 15px 50px 5px 50px;float: right;font-size: 16px;">Expense
Tracker   <div class="btn-group pull-right">
<button class="btn btn-default dropdown-toggle" data-toggle="dropdown">
<i class="glyphicon glyphicon-user"></i><span class="hidden-sm hidden-xs"> </span>
<span class="caret"></span>
</button>
ul class="dropdown-menu">
<a href="#"><span class="glyphicon glyphicon-log-out"> Logout</span></a>
cli class="divider">
<a href="#"><i class="glyphicon glyphicon-edit"> Change Password</i></a>
</div>
</div>
</nav>
<!-- /. NAV TOP -->
<nav class="navbar-default navbar-side" role="navigation">
<div class="sidebar-collapse">
ul class="nav" id="main-menu">
cli class="text-center">
```

```
<img src="assets/img/find_user.png" class="user-image img-responsive"/>
<a href=" "><i class="fa fa-dashboard fa-3x"></i> Dashboard</a>
>
<?php
echo" <a href='index.php'><i class='fa fa-keyboard-o fa-2x'></i>Expense</a>";
>
<?php
                    href="expense_category.php"><i class="fa
echo'
       <a
                                                               fa-cog
                                                                         fa-2x"
                                                                                 aria-
hidden="true"></i>Create Expense</a>';
?>
<?php
echo' 
<a class="active-menu" href="#"><i class="fa fa-list fa-2x"></i>Expense Summery<span</p>
class="fa arrow"></span></a>
ul class="nav nav-second-level">
<a href="expense_report.php"><i class="fa fa-file"></i>Expense Report</a>
```

```
<a href=" "><i class="fa fa-check-circle"></i> </a>
<a href=" "><i class="fa fa-pause"></i> </a>
';
?>
<!-- </ul>-->
</div>
</nav>
<!-- /. NAV SIDE -->
<div id="page-wrapper" >
<div id="page-inner">
```

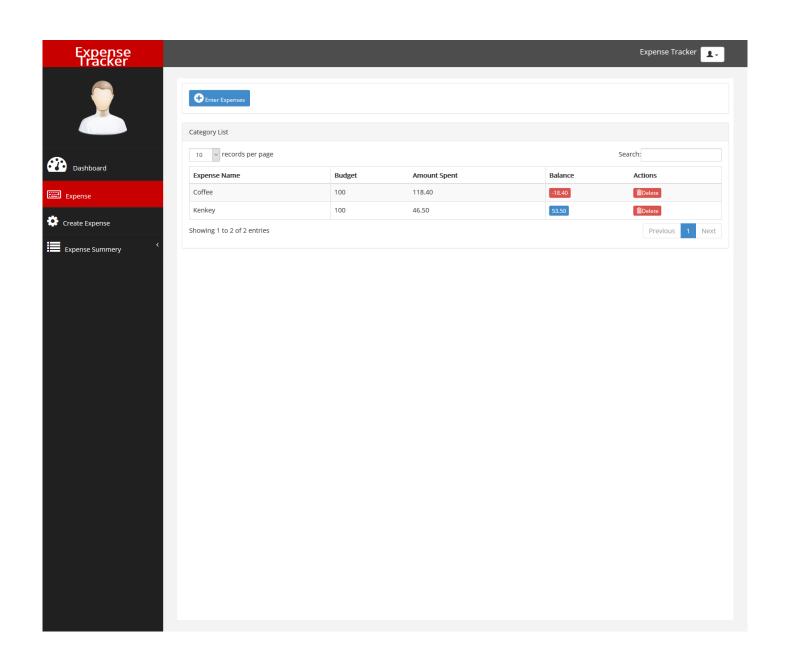
```
<div class="row">
<div class="col-md-12">
<!-- Advanced Tables -->
<div class="panel panel-default">
<div class="panel-heading">
Expense Details <cdiv class="pull-right">Filter Report using the search</cdiv>
</div>
<div class="panel-body">
<div class="table-responsive">
<thead>
<!-- <tr> -->
Expense Name
Amount Spent
Description
Date
Action
</thead>
<?php
$sql = mysqli_query($con, "SELECT *FROM expense_category_tbl i LEFT JOIN expense_tbl s
ON i.expense_category_id= s.expense_category_id
WHERE (s.expense_category_id>0)");
while($row = mysqli_fetch_array($sql))
?>
<?php echo $row['expense_category_name'];?>
<?php echo $row['amount_spent'];?>
<?php echo $row['expense_description'];?>
<?php echo $row['expense_date'];?>
<button type="button" class="btn btn-danger btn-xs" data-target="#modal_delete<?php echo
$row['expense_id']?>"data-toggle='modal'><span</pre>
                                                         glyphicon-trash'></span>
                                         class='glyphicon
Delete</button>
```

```
<div class="modal fade" id="modal_delete<?php echo $row['expense_id']?>" aria-hidden="true">
<div class="modal-dialog modal-dialog-centered">
<div class="modal-content">
<div class="modal-header">
<h3 class="modal-title">System</h3>
</div>
<div class="modal-body">
<center><h4>Are you sure you want to delete this expense?</h4></center>
</div>
<div class="modal-footer">
<button type="button" class="btn btn-primary" data-dismiss="modal">No</button>
     type="button"
                   class="btn
                                   btn-danger"
                                                  href="delete.php?expense_id=<?php</pre>
<a
                                                                                         echo
$row['expense_id']?>">Yes</a>
</div>
</div>
</div>
</div>
<?php }?>
<?php
ob_flush();
mysqli_close($con);
</div>
</div>
</div>
<!--End Advanced Tables -->
</div>
</div>
```

```
<div class="row"><!-- /. PAGE INNER -->
</div>
<!-- /. PAGE WRAPPER -->
<!-- /. WRAPPER -->
<!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
<!-- JQUERY SCRIPTS -->
<script src="assets/js/jquery-1.10.2.js"></script>
<!-- BOOTSTRAP SCRIPTS -->
<script src="assets/js/bootstrap.min.js"></script>
<!-- METISMENU SCRIPTS -->
<script src="assets/js/jquery.metisMenu.js"></script>
<!-- DATA TABLE SCRIPTS -->
<script src="assets/js/dataTables/jquery.dataTables.js"></script>
<script src="assets/js/dataTables/dataTables.bootstrap.js"></script>
<script>
$(document).ready(function () {
$('#dataTables-example').dataTable();
});
</script>
<!-- CUSTOM SCRIPTS -->
<script src="assets/js/custom.js"></script>
</body>
```

<!-- /. ROW -->

</html>



EXPENSE CATEGORY PAGE

<?php session_start();

```
ob_start();
                require_once('db_config.php');
if(isset($_POST['submit']) && !empty($_POST['amount']) &&
!empty($_POST['expense_category_name'])){
 // echo print_r($_POST);
  $amount = mysqli_real_escape_string($con,$_POST['amount']);
  $expense_category_name =
mysqli_real_escape_string($con,$_POST['expense_category_name']);
  $created_at = date('Y-m-d');
  $sql = "SELECT expense_category_name FROM expense_category_tbl WHERE
expense_category_name = '$expense_category_name' ";
$query = mysqli_query($con, $sql);
if($one = mysqli_num_rows($query) == 1){
echo '
     <script type="text/javascript">
     alert("'.ucfirst($expense_category_name).' already exist");
     </script>';
header('expense_category.php');
                $data = mysgli query($con, "INSERT INTO
expense_category_tbl(expense_category_name, created_at, amount)
VALUES(".$expense_category_name."', '".$created_at."','".$amount."')");
 //if data inserted successfully
 if(@$data === TRUE)
   echo '
     <script type="text/javascript">
     alert("Success!");
     </script>':
```

```
}
else{
                $message = "All fields are required";
               }
?>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head>
   <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Item Category</title>
               <!-- BOOTSTRAP STYLES-->
  k href="assets/css/bootstrap.css" rel="stylesheet" />
  <!-- FONTAWESOME STYLES-->
  <link href="assets/css/font-awesome.css" rel="stylesheet" />
  <!-- MORRIS CHART STYLES-->
    <!-- CUSTOM STYLES-->
  k href="assets/css/custom.css" rel="stylesheet" />
  <!-- GOOGLE FONTS-->
 <link href='http://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css' />
  <!-- TABLE STYLES-->
  <link href="assets/js/dataTables/dataTables.bootstrap.css" rel="stylesheet" />
   <!--ASWESOME ICON-->
  <link rel="stylesheet" href="font-awesome-4.5.0/css/font-awesome.min.css">
 <!-- <script language="javascript" type="text/javascript">
function removeSpaces(string) {
```

```
return string.split(' ').join(");
</script> -->
<script language="JavaScript"><!--</pre>
function trim(strText) {
  // this will get rid of leading spaces
  while (strText.substring(0,1) == ' ')
     strText = strText.substring(1, strText.length);
  // this will get rid of trailing spaces
  while (strText.substring(strText.length-1,strText.length) == ' ')
     strText = strText.substring(0, strText.length-1);
 return strText;
//--></script>
</head>
<body>
  <div id="wrapper">
     <nav class="navbar navbar-default navbar-cls-top " role="navigation" style="margin-bottom:</pre>
0; color:#FF0">
       <div class="navbar-header" >
          <button type="button" class="navbar-toggle" data-toggle="collapse" data-</pre>
target=".sidebar-collapse">
            <span class="sr-only">Toggle navigation</span>
             <span class="icon-bar"></span>
             <span class="icon-bar"></span>
             <span class="icon-bar"></span>
```

```
</button>
        <a class="navbar-brand" href="index.html">Expense Tracker</a>
      </div>
     <!-- dddddddddd -->
<div style="color: white;padding: 15px 50px 5px 50px;float: right;font-size: 16px;">Expense
Tracker   <div class="btn-group pull-right">
        <button class="btn btn-default dropdown-toggle" data-toggle="dropdown">
          <i class="glyphicon glyphicon-user"></i><span class="hidden-sm hidden-xs">
</span>
          <span class="caret"></span>
        </button>
        <
                    <a href="#"><span class="glyphicon glyphicon-log-out">
Logout</span></a>
      class="divider">
       <a href="#"><i class="glyphicon glyphicon-edit"> Change Password</i></a>
        </div>
     </div>
    </nav>
     <!-- /. NAV TOP -->
        <nav class="navbar-default navbar-side" role="navigation">
      <div class="sidebar-collapse">
        <img src="assets/img/find_user.png" class="user-image img-responsive"/>
                             <
               href=" "><i class="fa fa-dashboard fa-2x"></i> Dashboard</a>
```

```
>
            <?php
           echo" <a href='index.php'><i class='fa fa-keyboard-o fa-
2x'></i>Expense</a>";
           ?>
          <?php
              echo' <a class="active-menu" href="expense_category.php"><i class="fa fa-
cog fa-2x" aria-hidden="true"></i>Create Expense</a>';
?>
           <?php
          echo' 
            <a href="#"><i class="fa fa-list fa-2x"></i>Expense Summery<span class="fa
arrow"></span></a>
             ul class="nav nav-second-level">
```

```
<a href="expense_report.php"><i class="fa fa-file"></i>Expense Report</a>
    <
      <a href=""><i class="fa fa-check-list"></i></a>
        <a href=" "><i class="fa fa-pause"></i> </a>
        ';
?>
      <!-- </ul>-->
```

```
</div>
    </nav>
    <!-- /. NAV SIDE -->
    <div id="page-wrapper" >
       <div id="page-inner">
         <!-- <div class="row">
           </div>
         </div> -->
          <!-- /. ROW -->
         <!-- <hr />
                <!-- Modals-->
           <div class="panel panel-default">
              <!-- <div class="panel-heading">
                Modals Example
              </div> -->
              <div class="panel-body">
                <button class="btn btn-primary btn-sm" data-toggle="modal" data-
target="#myModal">
                <i class="fa fa-plus-circle fa-2x"></i> Expense Category
                </button>
                <div class="modal fade" id="myModal" tabindex="-1" role="dialog" aria-
```

```
labelledby="myModalLabel" aria-hidden="true">
                   <div class="modal-dialog">
                     <div class="modal-content">
                        <div class="modal-header">
                          <button type="button" class="close" data-dismiss="modal" aria-
hidden="true">×</button>
                          <h4 class="modal-title" id="myModalLabel">Add Expense
Category</h4>
                        </div>
                       <div class="modal-body">
                         <div class="header" >
                <!--<h3 >Add New Department</h3>-->
  </div>
  <div class="content">
    <!-- <div> -->
       <form action="expense_category.php" method="POST" enctype="multipart/form-data">
         <!-- <div style=" margin-left:100px;"> -->
       <div class="row" >
       <div class="form-group col-md-12" >
          <label>Expense Name : </label>
   <input type="text" name="expense_category_name" id="expense_category_name"</pre>
class="form-control" placeholder="PLease Enter Expense Name" required>
            </div>
           <br>
        <div class="form-group col-md-12">
         <label> Enter Amount : </label>
          <input type="text" name="amount" id="amount" class="form-
control"placeholder="Please Enter Expense Name:" onBlur="this.value=trim(this.value);"
required>
    </div>
   </div>
```

```
<?php if(isset($message)){echo "<font color='FF0000'><h5>$message</font></h5>";} ?>
  <!-- </div> -->
                       <!-- </div> -->
                       <div class="modal-footer">
           <input type="submit" id="submit" name="submit" value="Add" class="btn btn-
primary" style=""/>
           <input type="reset" id="rest" value="Cancel / Reset" class="btn btn-danger" style=""/>
         </div>
         </div>
       </form>
                       </div>
                     </div>
                   </div>
                </div>
              </div>
           </div>
       <div class="row">
         <div class="col-md-12">
           <!-- Advanced Tables -->
           <div class="panel panel-default">
              <div class="panel-heading">
                Category List
              </div>
       <div class="panel-body">
         <div class="table-responsive">
           <table class="table table-striped table-bordered table-hover" id="dataTables-
example">
              <thead>
           Expense Name
          Amount 
          Date Created
```

```
Actions
        </thead>
        <?php
                               $sql = mysqli_query($con, "SELECT * FROM
expense_category_tbl order by expense_category_name ASC");
                                         while($row = mysqli_fetch_array($sql))
                                    {
               ?>
                                         <ently</tr>
$row['expense_category_name']?>
                                         ><?php echo
number_format((float)$row['amount'], 2, '.', ")?>
                                         <?php echo $date=DATE_FORMAT(new
DateTime($row['created_at']),'d-M-Y') ?>
                                     <button type="button" class="btn btn-info btn-xs" data-target="#modal_update<?php
echo $row['expense_category_id']?>"data-toggle='modal'><span class='glyphicon glyphicon-
pencil'></span> Edit</button>
       <div class="modal fade" id="modal_update<?php echo $row['expense_category_id']?>"
aria-hidden="true">
      <div class="modal-dialog modal-dialog-centered">
       <div class="modal-content">
        <div class="modal-header">
         <h3 class="modal-title">Update Expense</h3>
        </div>
        <form action="update_expense.php" method="POST" enctype="multipart/form-data">
        <div class="modal-body">
         <!-- <center><h4>Are you sure you want to delete this expense?</h4></center> -->
          <!-- hidden fields -->
```

```
<input type="hidden" id="getID" name="getID" value="<?php echo</pre>
$row['expense_category_id']?>">
          <div class="row">
            <div class="form-group col-md-12">
             <label>Expense Name</label>
             <input type="text" name="expense_name" id="expense_name" class="form-control"</pre>
value="<?php echo $row['expense_category_name']?>" required="">
            </div>
          </div>
          <div class="row">
            <div class="form-group col-md-12">
             <label>Expense Amount/label>
             <input type="text" name="amount" id="amount" class="form-control" value="<?php</pre>
echo $row['amount']?>" required="">
            </div>
          </div>
         </div>
         <!-- <div class="row" >
         <div class="form-group"> -->
         <div class="modal-footer">
          <button type="button" class="btn btn-primary" data-dismiss="modal">No</button>
          <input type="submit" id="submit" name="submit" value="Yes" class="btn btn-danger"
          </div>
         <!-- </div>
         </div> -->
        </form>
        </div>
       </div>
      </div>
                                  <?php
       }
                                        ob_flush();
```

```
</div>
    </div>
  </div>
  <!--End Advanced Tables -->
</div>
</div>
         <!-- /. ROW -->
       <div class="row"><!-- /. PAGE INNER -->
       </div>
     <!-- /. PAGE WRAPPER -->
  <!-- /. WRAPPER -->
  <!-- SCRIPTS -AT THE BOTOM TO REDUCE THE LOAD TIME-->
  <!-- JQUERY SCRIPTS -->
  <script src="assets/js/jquery-1.10.2.js"></script>
   <script src="assets/js/bootstrap.min.js"></script>
  <!-- METISMENU SCRIPTS -->
  <script src="assets/js/jquery.metisMenu.js"></script>
  <!-- DATA TABLE SCRIPTS -->
  <script src="assets/js/dataTables/jquery.dataTables.js"></script>
  <script src="assets/js/dataTables/dataTables.bootstrap.js"></script>
    <script>
      $(document).ready(function () {
         $('#dataTables-example').dataTable();
      });
  </script>
  <script src="assets/js/custom.js"></script>
</body> </html>
```





Dashboard

Expense

Create Expense

Expense Summery

Expense Details	Filter Report using the search		
10 v records per page			Search:
Expense Name	Amount Spent	Description	Date
Coffee	5.20	store	2019-12-09
Coffee	2	Market	2019-12-09
Coffee	3	daf	2019-12-09
Coffee	100	gfhfgh	2019-12-04
Coffee	5.50	store	2019-12-13
Coffee	2	mmm	2019-12-11
Coffee	0.70	nnnn	2019-12-14
Kenkey	5.50	Market	2019-12-09
Kenkey	6	Market	2019-12-10
Kenkey	2	Market	2019-12-10
Showing 1 to 10 of 12 entries			Previous 1 2 Next

DELETE PAGE

```
<?php
                require_once('db_config.php');
                if(ISSET($_REQUEST['expense_id'])){
                 $expense_id=$_REQUEST['expense_id'];
                 // $delete = mysqli_query($con, "DELETE FROM `expense_tbl` WHERE
`expense_id`='$expense_id'") or die("Failed to delete a row!");
                 $sql = "DELETE FROM `expense_tbl` WHERE `expense_id`='$expense_id'";
                 $result = mysqli_query($con, $sql);
                 //}
  //if data deleted successfully
                if(@$result === TRUE)
                  { ?>
                 <script type='text/javascript'>
                 alert("Item deleted successfully!");
                 window.location.replace("expense_report.php");
                 </script>
<?php
mysqli_close($con);
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/sweetalert2@9"></script>
<script type="text/javascript">
                $(function(){
// Swal.fire({
                'title': 'Hello World',
                 'text': 'This is from sweetalert2',
                'type': 'success'
// })
                });
```

```
</script>
```

UPDATE PAGE

```
<?php
session_start();
require_once('db_config.php');
               if(ISSET($_REQUEST['expense_category_id'])){
                $expense_category_id = $_REQUEST['expense_category_id'];
                $_SESSION['expense_category_id']=$expense_category_id;
                $sql = mysqli_query($con, "SELECT * FROM `expense_category_tbl` WHERE
'expense category id'=".$expense category id." ");
                while($update_data = mysqli_fetch_array($sql))
                                            $_SESSION['expense_category_name']
                     //
                               echo
$update_data['expense_category_name'];
                     // echo $update_data['amount'];
                 <div class="content">
    <div>
       <form action="a.php" method="POST" enctype="multipart/form-data">
         <div style=" margin-left:100px;">
           <br>
       <div class="form-group">
       <label> Amount: </label>
         <input type="text" name="amount" id="amount" style="margin-left:-50px" class="form-
          onBlur="this.value=trim(this.value);" value="<?php echo $update data['amount'];?>"
control"
required>
    </div>
       <br>
```

```
<div class="form-group">
      <label> Expense Name: </label>
         <input type="text" name="expense_name" id="expense_name" style="margin-left:-</pre>
       class="form-control"
                                 onBlur="this.value=trim(this.value);" value="<?php
50px"
                                                                                       echo
$update_data['expense_category_name'];?>" required>
    </div>
    <br>
      <?php // if(isset($message)){echo "<font color='FF0000'><h5>$message</font></h5>";}
?>
  </div>
                       </div>
                       <div class="modal-footer">
           <input type="submit" id="submit" name="submit" value="Add" class="btn btn-
primary" style=""/>
           <input type="reset" id="rest" value="Cancel / Reset" class="btn btn-danger" style=""/>
         </div>
         </div>
      </form>
                <?php
```

DISCUSSION

By the end of this project, the personal Expenses Tracker Application is successfully achieving its objectives which are to design a user friendly and an attractive interface so that users can easily access the system., to develop a systematic system that will help to improve users' financial management and forecast future budget planning and is reliable to generate monthly report and forecast budget for the users using least square method.

This project provide the report for diseases detection using the ruled-based algorithm. The percentage of the diseases is calculated with the number symptoms that have been chosen by the patient and is compared to the diseases symptoms documentation. The result of the calculation provide the best possible diseases for the patient. When the patient select the symptoms, the result of possible diseases is generated and give the patient report for their diseases detection. Thus, this system will give benefits to the patient which that can diagnose their diseases in efficient and quick way besides can keep better and good health

Conclusion

Expenses Tracker System is a system that being developed to assist users in budget planning. It provides end users to records their income and expenses within the budget that have been planned beforehand. Furthermore, users are able to keep track on their spending so they are not wasting their money without doubt. Last but certainly not the least, they are able to access the system anytime and anywhere that is accessible.

FUTURE SCOP

The system is well operated and function as planned, however, there are a few suggestion to make it even more better and usable in the future. Here are some enchantment for the system to work more efficient in future.

For current report, it is only limited to a few options. Hence, maybe it will be better if the report can generate a bar graph or line graph that shows all reports together instead being separated. It would a lot easier for user to evaluate their spending too.

REFERENCE

[1] Morgan L. (2017). Why Do People Think Mint is Bad For Budgeting. Investing

[2] Education.[online]

Retrieved from: http://www.investinged.com/why-do-people-thinkmint-is-bad-for-budgeting/

[Accessed 1 April 2017].

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