

VIT Daily Expense Tracker

PROJECT REPORT

*Submitted in fulfilment for the J-Component of ITE1008 – Open-Source
Programming*

CAL COURSE

In

B.Tech. (Information Technology)

By

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SITE



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(Deemed to be University under section 3 of UGC Act, 1956)

School of Information Technology and Engineering

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1. Abstract-

- Daily Expense Tracker is a web-based programme that uses PHP and MySQL. This programme is meant to keep track of a user's everyday expenses.
- The PHP and MySQL databases are used in the Daily Expense Tracker System. This project is in charge of keeping track of everyday spending.

2. Proposed model -

1. **Dashboard:** The user can monitor spending on a daily, monthly, and yearly basis in this part
2. **Spending:** The user can control their expenses (add/delete) in this section.
3. **Login page:** The user can login with their credential.
4. **Sign up page:** The users can create their credentials.
5. **Change Password:** The user can change his or her passwords in this section.
6. **Expense Report:** In this area, the user can view expenses on a day-by-day, month-by-month, and year-by-year basis for various time periods.

7. **Profile:** The user can change his or her profile in this section.
8. **Logout:** The user can log out using this button.

2.Literature –

Many students spend their money without any planning and then realizes when their money is completed ,for them our website provide a platform to manage their money with better planning. They can add expense and manage their expenditure .They can track how much they spent in an month/year or by day wise and there parents can have also have look into how their child is spending the money , by this it gives students a sense of responsibility which can be more helpful in the future.

3. Implementation –

Index.php

```
<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');

if (isset($_POST['login'])) {
    $email = $_POST['email'];
    $password = md5($_POST['password']);
    $query = mysqli_query($con, "select ID from tbluser where Email='$email' && Password='$password' ");
    $ret = mysqli_fetch_array($query);
    $msg = "";

    // If user has given a captcha!
    if (isset($_POST['input']))
        // If the captcha is valid
        if ($_POST['input'] == $_SESSION['captcha'])
            $msg = 1;
        else
            $msg = 0;

    if ($ret > 0 && $msg == 1) {
        $_SESSION['detsuid'] = $ret['ID'];
        header("location:dashboard.php");
    } else {
        $msg = "Please Enter Valid Credentials.";
    }
}
?>

<!DOCTYPE html>
<html>
```

```

<head>
  <title>VIT Student Daily Expense Tracker - Login</title>
  <link href="css/bootstrap.min.css" rel="stylesheet">
  <link href="css/datepicker3.css" rel="stylesheet">
  <link href="css/styles.css" rel="stylesheet">

</head>

<body>

  <div class="row">
    <h2 align="center">VIT Student Daily Expense Tracker</h2>
    <hr />
    <div class="col-xs-10 col-xs-offset-1 col-sm-8 col-sm-offset-2 col-md-4 col-md-offset-4">
      <div class="login-panel panel panel-default">
        <div class="panel-heading">Log in</div>
        <div class="panel-body">
          <p style="font-size:16px; color:red" align="center">
            <?php
              if ($msg) {
                echo $msg;
              }
            ?>
          </p>
          <form role="form" action="" method="post" id="" name="login">
            <fieldset>
              <div class="form-group">
                <input class="form-control" placeholder="E-mail" name="email" type="email" autofocus="" required="true">
              </div>
              <a href="forgot-password.php">Forgot Password?</a>
              <div class="form-group">
                <input class="form-control" placeholder="Password" name="password" type="password" value="" required="true">
              </div>

              <div style='margin:15px'>
                
              </div>

              <div class="form-group">
                <input class="form-control" type="text" name="input" placeholder="captcha" required="true"/>
                <input type="hidden" name="flag" value="1"/>
              </div>

              <div class="checkbox">
                <button type="submit" value="login" name="login" class="btn btn-primary">login</button><span style="padding-left:250px">
                  <a href="register.php" class="btn btn-primary">Register</a></span>
              </div>
            </fieldset>
          </form>
        </div>
      </div>
    </div>
  </div>

  <script src="js/jquery-1.11.1.min.js"></script>
  <script src="js/bootstrap.min.js"></script>
</body>

</html>

```

Captcha.php

```

<?php

// We start a session to access
// the captcha externally!
session_start();

// Generate a random number
// from 1000-9999
$captcha = rand(1000, 9999);

// The captcha will be stored
// for the session
$_SESSION["captcha"] = $captcha;

// Generate a 50x24 standard captcha image
$im = imagecreatetruecolor(80, 24);

// White color
$bg = imagecolorallocate($im, 255, 255, 255);

// Black color
$fg = imagecolorallocate($im, 0, 0, 0);

// Give the image a blue background
imagefill($im, 0, 0, $fg);

// Print the captcha text in the image
// with random position & size
imagestring($im, rand(1, 7), rand(1, 7), rand(1, 7), $captcha, $bg);

// The PHP-file will be rendered as image
header('Content-type: image/png');

// Finally output the captcha as
// PNG image the browser
imagepng($im);

// Free memory
imagedestroy($im);
?>

```

Register.php

```

<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');
if (isset($_POST['submit'])) {
    $fname = $_POST['name'];
    $mobno = $_POST['mobilenumber'];
    $email = $_POST['email'];
    $password = md5($_POST['password']);

    $ret = mysqli_query($con, "select Email from tbluser where Email='$email' ");
    $result = mysqli_fetch_array($ret);
    if ($result > 0) {
        $msg = "This email associated with another account";
    } else {
        $query = mysqli_query($con, "insert into tbluser(FullName, MobileNumber, Email, Password) value('$fname', '$mobno', '$email', '$password' )");
        if ($query) {

```

```

        $msg = "You have successfully registered";
    } else {
        $msg = "Something Went Wrong. Please try again";
    }
}
}

?>

<!DOCTYPE html>
<html>

<head>
    <title>VIT Student Daily Expense Tracker - Signup</title>
    <link href="css/bootstrap.min.css" rel="stylesheet">
    <link href="css/datepicker3.css" rel="stylesheet">
    <link href="css/styles.css" rel="stylesheet">
    <script type="text/javascript">
        function checkpass() {
            if (document.signup.password.value != document.signup.repeatpassword.value) {
                alert('Password and Repeat Password field does not match');
                document.signup.repeatpassword.focus();
                return false;
            }
            return true;
        }
    </script>

<body>
    <div class="row">
        <h2 align="center">VIT Student Daily Expense Tracker</h2>
        <hr />
        <div class="col-xs-10 col-xs-offset-1 col-sm-8 col-sm-offset-2 col-md-4 col-md-offset-4">
            <div class="login-panel panel panel-default">
                <div class="panel-heading">Sign Up</div>
                <div class="panel-body">
                    <form role="form" action="" method="post" id="" name="signup" onsubmit="return checkpass();">
                        <p style="font-size:16px; color:red" align="center"> <?php if ($msg) {
                            echo $msg;
                        } ?> </p>

                        <fieldset>
                            <div class="form-group">
                                <input class="form-control" placeholder="Full Name" name="name" type="text" required="true">
                            </div>
                            <div class="form-group">
                                <input class="form-control" placeholder="E-mail" name="email" type="email" required="true">
                            </div>
                            <div class="form-group">
                                <input type="text" class="form-control" id="mobilenumber" name="mobilenumber" placeholder="Mobile Number" maxlength="10"
pattern="[0-9]{10}" required="true">
                            </div>
                            <div class="form-group">
                                <input class="form-control" placeholder="Password" name="password" type="password" value="" required="true">
                            </div>
                            <div class="form-group">
                                <input type="password" class="form-control" id="repeatpassword" name="repeatpassword" placeholder="Confirm Password"
required="true">
                            </div>
                            <div class="checkbox">
                                <button type="submit" value="submit" name="submit" class="btn btn-primary">Register</button><span style="padding-
left:250px">
                                <a href="index.php" class="btn btn-primary">Login</a></span>
                            </div>

```

```

        </fieldset>

    </form>

</div>

</div>

</div><!-- /.col-->

</div><!-- /.row -->

<script src="js/jquery-1.11.1.min.js"></script>
<script src="js/bootstrap.min.js"></script>
</body>

</html>

```

Changepassword.php

```

<?php
session_start();
include('includes/dbconnection.php');
error_reporting(0);
if (strlen($_SESSION['detsuid'] == 0)) {
    header('location:logout.php');
} else {
    if (isset($_POST['submit'])) {
        $userid = $_SESSION['detsuid'];
        $cpassword = md5($_POST['currentpassword']);
        $newpassword = md5($_POST['newpassword']);
        $query = mysqli_query($con, "select ID from tbluser where ID=$userid and Password=$cpassword");
        $row = mysqli_fetch_array($query);
        if ($row > 0) {
            $ret = mysqli_query($con, "update tbluser set Password=$newpassword where ID=$userid");
            $msg = "Your password successfully changed";
        } else {
            $msg = "Your current password is wrong";
        }
    }
}

?>

<!DOCTYPE html>
<html>

<head>
<title>VIT Student Daily Expense Tracker || Change Password</title>
<link href="css/bootstrap.min.css" rel="stylesheet">
<link href="css/font-awesome.min.css" rel="stylesheet">
<link href="css/daterangepicker3.css" rel="stylesheet">
<link href="css/styles.css" rel="stylesheet">
<script type="text/javascript">
    function checkpass() {
        if (document.changepassword.newpassword.value != document.changepassword.confirmpassword.value) {
            alert("New Password and Confirm Password field does not match");
            document.changepassword.confirmpassword.focus();
            return false;
        }
        return true;
    }
</script>
</head>

<body>
<?php include_once('includes/header.php'); ?>
<?php include_once('includes/sidebar.php'); ?>

<div class="col-sm-9 col-sm-offset-3 col-lg-10 col-lg-offset-2 main">
    <div class="row">
        <div class="breadcrumb">
            <li><a href="#">
                <em class="fa fa-home"></em>
            </a></li>
            <li class="active">Change Password</li>
        </ol>
    </div>

    <div class="row">
        <div class="col-lg-12">

```

```

<div class="panel panel-default">
<div class="panel-heading">Change Password</div>
<div class="panel-body">
<p style="font-size:16px; color:red" align="center"> <?php if ($msg) {
echo $msg;
} ?> </p>

<div class="col-md-12">
<?php
$userid = $_SESSION['detsuid'];
$ret = mysqli_query($con, "select * from tbluser where ID=$userid");
$cnt = 1;
while ($row = mysqli_fetch_array($ret)) {

?>

<form role="form" method="post" action="" name="changepassword" onsubmit="return checkpass();">
<div class="form-group">
<label>Current Password</label>
<input type="password" name="currentpassword" class="form-control" required="true" value="">
</div>
<div class="form-group">
<label>New Password</label>
<input type="password" name="newpassword" class="form-control" value="" required="true">
</div>

<div class="form-group">
<label>Confirm Password</label>
<input type="password" name="confirmpassword" class="form-control" value="" required="true">
</div>

<div class="form-group has-success">
<button type="submit" class="btn btn-primary" name="submit">Change</button>
</div>

</div>

<?php } ?>
</form>
</div>
</div>
</div><!-- /.panel-->
</div><!-- /.col-->
</div><!-- /.row -->
</div>
<!-- /.main-->

<script src="js/jquery-1.11.1.min.js"></script>
<script src="js/bootstrap.min.js"></script>
<script src="js/chart.min.js"></script>
<script src="js/chart-data.js"></script>
<script src="js/easypiechart.js"></script>
<script src="js/easypiechart-data.js"></script>
<script src="js/bootstrap-datepicker.js"></script>
<script src="js/custom.js"></script>

</body>

</html>
<?php } ?>

```

Logout.php

```

<?php
session_start();
session_unset();
session_destroy();
header('location:index.php');

?>

```

Dashboard.php

```

<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');
if (strlen($_SESSION['detsuid'] == 0)) {
header('location:logout.php');
} else {
?>

```



```

<!DOCTYPE html>

<html>

<head>

<title>VIT Student Daily Expense Tracker</title>

<link href="css/bootstrap.min.css" rel="stylesheet">

<link href="css/font-awesome.min.css" rel="stylesheet">

<link href="css/daterangepicker3.css" rel="stylesheet">

<link href="css/styles.css" rel="stylesheet">

</head>

<body>

<?php include_once('includes/header.php'); ?>
<?php include_once('includes/sidebar.php'); ?>

<div class="col-sm-9 col-sm-offset-3 col-lg-10 col-lg-offset-2 main">

<div class="row">

<ol class="breadcrumb">

<li><a href="#">

&ltem class="fa fa-home"></em>

</a></li>

<li class="active">Dashboard</li>

</ol>

</div>

<div class="row">

<div class="col-lg-12">

<h1 class="page-header">Dashboard</h1>

</div>

</div>

<div class="row">

<div class="col-xs-6 col-md-3">

<div class="panel panel-default">

<div class="panel-body easypiechart-panel">

<?php

//Today Expense

$userid = $_SESSION['detsuid'];

$date = date('Y-m-d');

$query = mysqli_query($con, "select sum(ExpenseCost) as todaysexpense from tblexpense where (ExpenseDate)='$date' && (UserId='$userid');");

$result = mysqli_fetch_array($query);

$sum_today_expense = $result['todaysexpense'];

?>

<h4>Today's Expense</h4>

<div class="easypiechart" id="easypiechart-blue" data-percent=""><?php echo $sum_today_expense; ?>><span class="percent"><?php if ($sum_today_expense == "") {

echo "0";

} else {

echo $sum_today_expense;

}

?></span></div>

</div>

</div>

</div>

<div class="col-xs-6 col-md-3">

<div class="panel panel-default">

<?php

//Yesterday Expense

$userid = $_SESSION['detsuid'];

$date = date('Y-m-d', strtotime("-1 days"));

$query1 = mysqli_query($con, "select sum(ExpenseCost) as yesterdayexpense from tblexpense where (ExpenseDate)='$date' && (UserId='$userid');");

$result1 = mysqli_fetch_array($query1);

$sum_yesterday_expense = $result1['yesterdayexpense'];

?>

<div class="panel-body easypiechart-panel">

<h4>Yesterday's Expense</h4>

<div class="easypiechart" id="easypiechart-orange" data-percent=""><?php echo $sum_yesterday_expense; ?>><span class="percent"><?php if ($sum_yesterday_expense == "") {

echo "0";

} else {

echo $sum_yesterday_expense;

}

?></span></div>

</div>

</div>

</div>

<div class="col-xs-6 col-md-3">

<div class="panel panel-default">

<?php

//Weekly Expense

$userid = $_SESSION['detsuid'];

$pastdate = date("Y-m-d", strtotime("-1 week"));

$currtdate = date("Y-m-d");

$query2 = mysqli_query($con, "select sum(ExpenseCost) as weeklyexpense from tblexpense where ((ExpenseDate) between '$pastdate' and '$currtdate') && (UserId='$userid');");

$result2 = mysqli_fetch_array($query2);

$sum_weekly_expense = $result2['weeklyexpense'];


```

```

        ?>
    <div class="panel-body easypiechart-panel">
        <h4>Last 7day's Expense</h4>
        <div class="easypiechart" id="easypiechart-teal" data-percent=""><?php echo $sum_weekly_expense; ?>><span class="percent"><?php if ($sum_weekly_expense == "") {
            echo "0";
        } else {
            echo $sum_weekly_expense;
        }

        ?></span></div>

    </div>
</div>
<div class="col-xs-6 col-md-3">
    <div class="panel panel-default">
        <?php
        //Monthly Expense
        $userid = $_SESSION['detsuid'];
        $monthdate = date("Y-m-d", strtotime("-1 month"));
        $scrmtdte = date("Y-m-d");
        $query3 = mysqli_query($con, "select sum(ExpenseCost) as monthlyexpense from tblexpense where ((ExpenseDate) between '$monthdate' and '$scrmtdte') && (UserId='$userid');");
        $result3 = mysqli_fetch_array($query3);
        $sum_monthly_expense = $result3['monthlyexpense'];
        ?>
        <div class="panel-body easypiechart-panel">
            <h4>Last 30day's Expenses</h4>
            <div class="easypiechart" id="easypiechart-red" data-percent=""><?php echo $sum_monthly_expense; ?>><span class="percent"><?php if ($sum_monthly_expense == "") {
                echo "0";
            } else {
                echo $sum_monthly_expense;
            }

            ?></span></div>

        </div>
    </div>
</div>
</div>
<!--/.row-->
<div class="row">
    <div class="col-xs-6 col-md-3">
        <div class="panel panel-default">
            <?php
            //Yearly Expense
            $userid = $_SESSION['detsuid'];
            $year = date("Y");
            $query4 = mysqli_query($con, "select sum(ExpenseCost) as yearlyexpense from tblexpense where (year(ExpenseDate)='$year') && (UserId='$userid');");
            $result4 = mysqli_fetch_array($query4);
            $sum_yearly_expense = $result4['yearlyexpense'];
            ?>
            <div class="panel-body easypiechart-panel">
                <h4>Current Year Expenses</h4>
                <div class="easypiechart" id="easypiechart-red" data-percent=""><?php echo $sum_yearly_expense; ?>><span class="percent"><?php if ($sum_yearly_expense == "") {
                    echo "0";
                } else {
                    echo $sum_yearly_expense;
                }

                ?></span></div>

            </div>
        </div>
    </div>
</div>
</div>
<div class="col-xs-6 col-md-3">
    <div class="panel panel-default">
        <?php
        //Yearly Expense
        $userid = $_SESSION['detsuid'];
        $query5 = mysqli_query($con, "select sum(ExpenseCost) as totalexpense from tblexpense where UserId='$userid';");
        $result5 = mysqli_fetch_array($query5);
        $sum_total_expense = $result5['totalexpense'];
        ?>
        <div class="panel-body easypiechart-panel">
            <h4>Total Expenses</h4>
            <div class="easypiechart" id="easypiechart-red" data-percent=""><?php echo $sum_total_expense; ?>><span class="percent"><?php if ($sum_total_expense == "") {
                echo "0";
            } else {
                echo $sum_total_expense;
            }

            ?></span></div>

        </div>
    </div>
</div>

```

```

</div>

</div>

<!--/.row-->
</div>
<!--/.main-->
<script src="/js/jquery-1.11.1.min.js"></script>
<script src="/js/bootstrap.min.js"></script>
<script src="/js/chart.min.js"></script>
<script src="/js/chart-data.js"></script>
<script src="/js/easypiechart.js"></script>
<script src="/js/easypiechart-data.js"></script>
<script src="/js/bootstrap-datepicker.js"></script>
<script src="/js/custom.js"></script>
<script>
window.onload = function() {
    var chart1 = document.getElementById("line-chart").getContext("2d");
    window.myLine = new Chart(chart1).Line(lineChartData, {
        responsive: true,
        scaleLineColor: "rgba(0,0,0,.2)",
        scaleGridLineColor: "rgba(0,0,0,.05)",
        scaleFontColor: "#c5c7cc"
    });
};
</script>

</body>

</html>
<?php } ?>

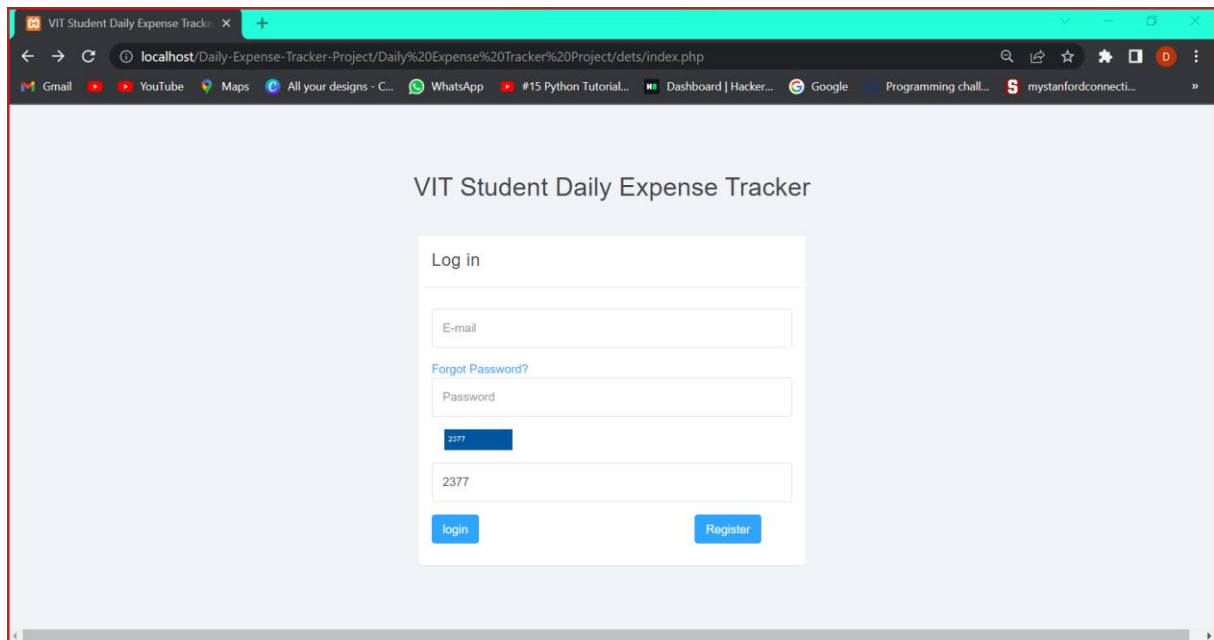
```

4. Output screenshots –

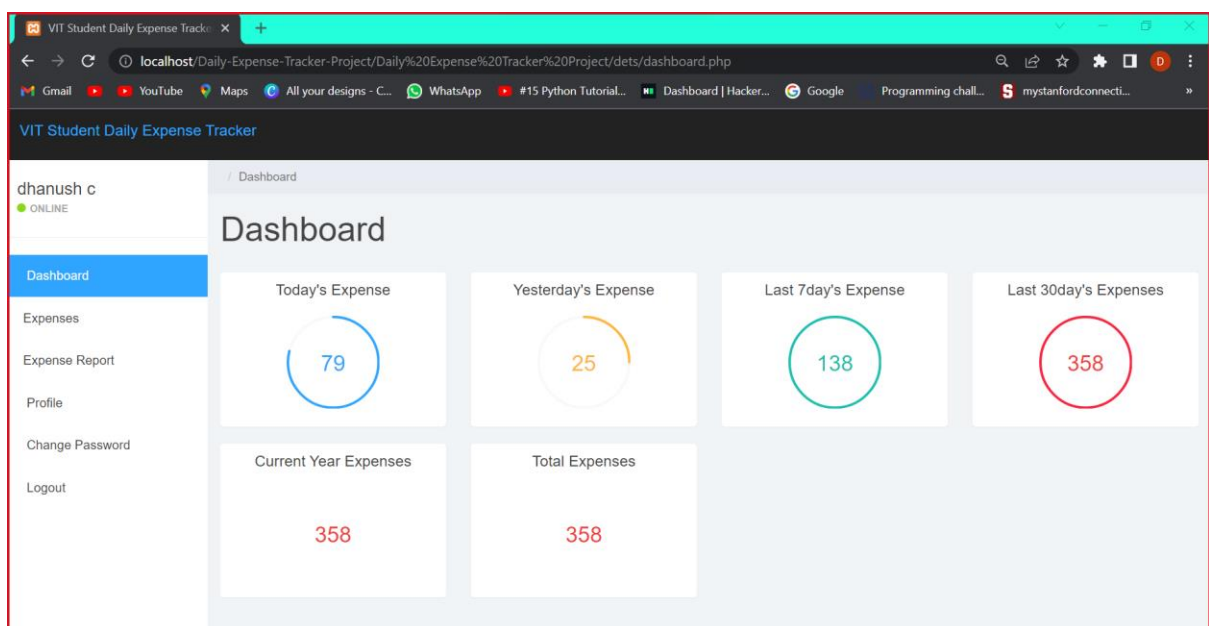
Sign up form

The screenshot shows a web browser window with the address bar displaying 'localhost/Daily-Expense-Tracker-Project/DailyExpenseTracker%20Project/dets/register.php'. The page title is 'VIT Student Daily Expense Tracker'. The main content area features a 'Sign Up' form with the following fields: Full Name, E-mail, Mobile Number, Password, and Confirm Password. At the bottom of the form are two buttons: 'Register' and 'Login'.

Log in form with captcha



Dashboard after log in :



Adding expenses page:

VIT Student Daily Expense Tracker

Expense

Date of Expense

dd-mm-yyyy

Item

Cost of Item

Add

Managing expenses page:

VIT Student Daily Expense Tracker

Expense

S.NO	Expense Item	Expense Cost	Expense Date	Action
1	dd	34	2022-04-22	Delete
2	milk	34	2022-04-28	Delete
3	ice cream	45	2022-04-28	Delete
4	puff	25	2022-04-27	Delete
5	sting	20	2022-04-02	Delete
6	biryani	200	2022-04-15	Delete

Date wise expense report page:

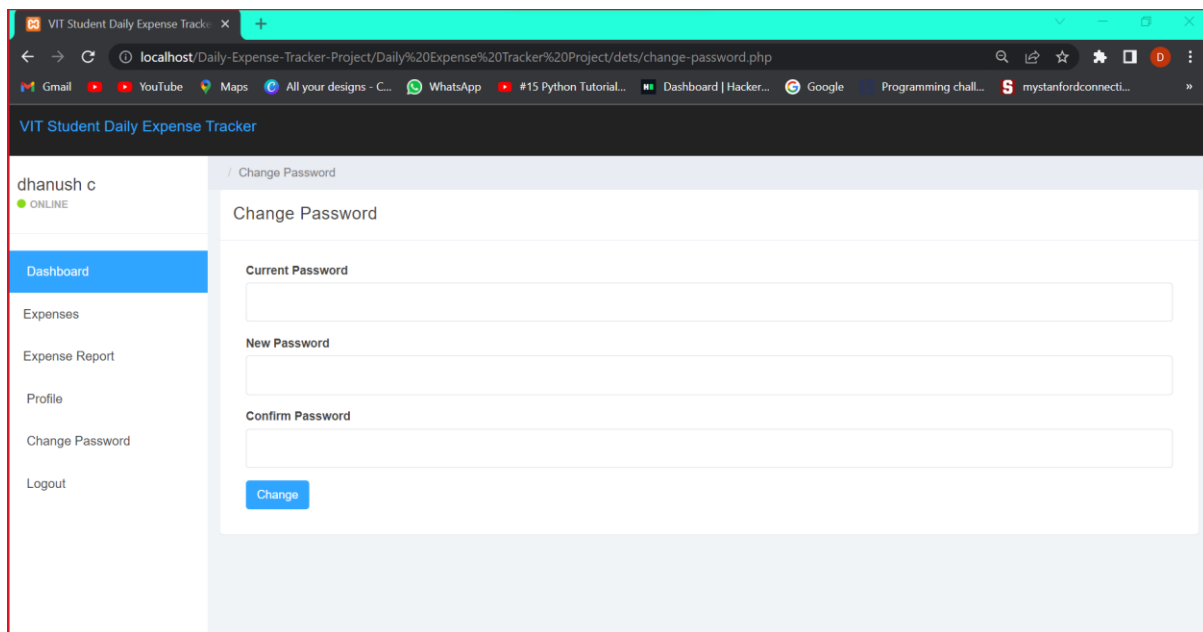
The screenshot shows a web browser window with the URL `localhost/Daily-Expense-Tracker-Project/DailyExpenseTrackerProject/dets/expense-datewise-reports.php`. The page title is "VIT Student Daily Expense Tracker". On the left, a sidebar shows the user "dhanush c" with a status of "ONLINE" and a menu with options: Dashboard, Expenses, Expense Report, Profile, Change Password, and Logout. The main content area is titled "Datewise Expense Report" and contains a form with two date input fields labeled "From Date" and "To Date", both with a placeholder "dd-mm-yyyy" and a calendar icon. A blue "Submit" button is located below the "To Date" field.

Expense report:

The screenshot shows the same web application but at a more detailed report page, with the URL `localhost/Daily-Expense-Tracker-Project/DailyExpenseTrackerProject/dets/expense-datewise-reports-detailed.php`. The sidebar is identical. The main content area is titled "Datewise Expense Report" and includes a subtitle "Datewise Expense Report from 2022-04-01 to 2022-04-28". Below this is a table with three columns: "S.NO", "Date", and "Expense Amount". The table lists five entries and a "Grand Total" row.

S.NO	Date	Expense Amount
1	2022-04-02	20
2	2022-04-15	200
3	2022-04-22	34
4	2022-04-27	25
5	2022-04-28	79
Grand Total		358

Change Password page:



The screenshot shows a web browser window with the address bar displaying `localhost/Daily-Expense-Tracker-Project/DailyExpenseTrackerProject/dets/change-password.php`. The page title is "VIT Student Daily Expense Tracker". On the left, a sidebar shows the user "dhanush c" with a green "ONLINE" status and a menu with options: Dashboard, Expenses, Expense Report, Profile, Change Password, and Logout. The "Change Password" option is highlighted. The main content area is titled "Change Password" and contains three input fields: "Current Password", "New Password", and "Confirm Password". Below these fields is a blue "Change" button.

5. References –

- [W3Schools Online Web Tutorials](#)
- [How to Generate Captcha Image in PHP ? - GeeksforGeeks](#)
- [PHP Sessions \(w3schools.com\)](#)
- [PHP MySQL Connect to database \(w3schools.com\)](#)

6. Conclusion –

- We can create separate categories for different items.
- We can add the monthly income, so that it shows the amount available to spend.
- Show separate list and notify that are bought in a regular interval.
- User can prepare a list before he spends the money.