



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Computer Science and Engineering

J Component report

Programme : B.Tech(CSE)

Course Title : Internet and Web Programming

Course Code : CSE3002

Slot : A1

Title: ENHANCED BILL SPLITTING WEBSITE

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Abstract

Most people want to be fair to each other, but sometimes they forget, or can't decide on what fair is. In addition to helping people honor their debts, we provide mediation advice about fairness issues through our "Bill Breakers". These Bill Breaker turn our crowd sourced data into a neutral fairness opinion about your personal situation. It is a free tool for friends and roommates to track bills and other shared expenses, so that everyone gets paid back. Our goal for this design was to keep Bill Breaker easy and simple to use, while refreshing the interface to feel modern, clean and polished.

Introduction

Bill Breaker is a free website that allows customers to split expenses with friends. If a group needs to share the cost of a particular bill, then our application ensures that anyone who pays it reimburses the correct amount and also with a minimal number of transactions. Even when the group volunteers to pay for their individual orders, they always conveniently forget to add the tip and the taxes. The result: the one making the final payment ends up paying the tax, even if the rest of the money is reimbursed. Often, people do not bring up this issue out of embarrassment, and someone always ends up paying more than what they ordered.

After all, it's never more than a couple of bucks, and it seems petty to bring up the issue when everyone has already split the bill and is paying for their share. With the help of the free Split wise software, users may split costs with friends, colleagues and others. If a group has to split a particular bill's cost, split wise makes sure that everyone who pays is refunded in full and with the fewest possible transactions. The software is advertised as a way to manage unofficial debts such as rent, meal and travel expenses, bills, and more. Split wise users make notes on who they owe, who owes them, and why into the database.

Because a user may add any charge to the app when the cost is incurred, this service does deal with the need to keep receipts. Split wise is one of many fintech website designed to help people manage money. Split wise does not facilitate the transfer of money directly through its website, and users may have to pay using other third-party applications like phone pe, gpay, Paytm, etc. Bill Breaker users can send an email notification whenever a bill is due and the app allows the users to send an IOU to someone else in the group without any restriction.

Project Motive

A home page where we can see some details about the website like services, portfolio and contact details along with that we added signup and login functionalities so that each user has access to his account by entering his/her username and password. While taking the details of the user, the user has to fill the form in a way that all the fields should be matched to sign up, so after getting details we are validating the details so that all the data entered are secured and are in a proper format. While signing up user also has to upload an image of him/her, so that it can be used in further pages to show his profile and this photo will be saved in the server under the folder photos by the filename registration number of the user.

When user already had an account before he/she not required to sign in, he/she can directly go to login page by clicking login button from home page, then the page will be redirected to login page. Now after entering the username and password, when user clicks submit then the username and password will be checked from the users database, if the user exists and entered correct password, user will be redirected to dash board where he/she can see all his/her expenses, activities done by the user.

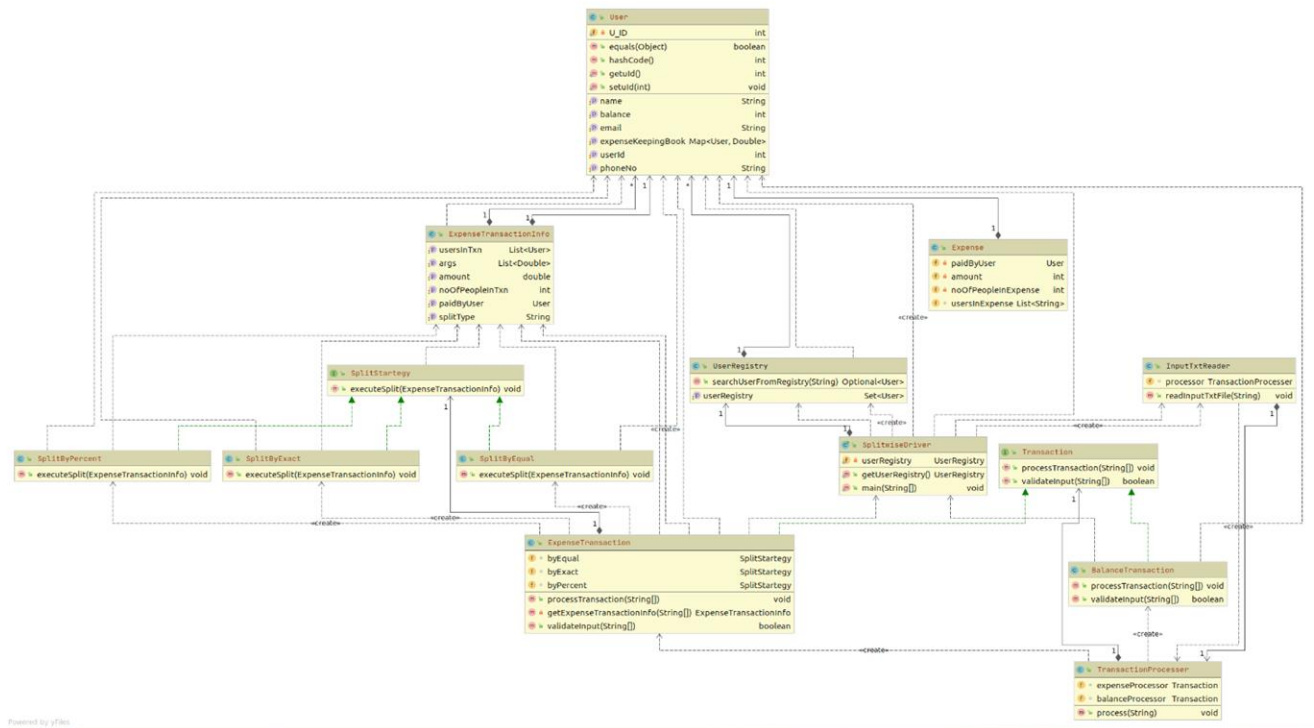
After login, he can also add expenses by clicking add expense button and selecting the people who joined in that activity and giving some description about the activity and amount paid by you, when user adding each other participant, our site will instantly display the amount that has to be paid by each user. After clicking save button then the activity details will be stored in the database. On the right side of the page, he can to how many people he/she has to give money and also he/she can see how many amount he/she has to be received from the other persons along with the amount and also, user can see how much user has to send and how much total amount he /she has to be received form the user by fetching all the details from the database and displaying it with a good looking interface.

If the other user who given the owed amount, then he can settle that expense by clicking settle expense and selecting the user who paid you the amount you have to be receive a, then that amount will be settled among the users. In the dashboard we made a dropdown list in such a way user can see his or her profile and also can logout. When user clicks profile, then it will redirect to the new page, where user can able to see all his details which were given during the signup and updated details.

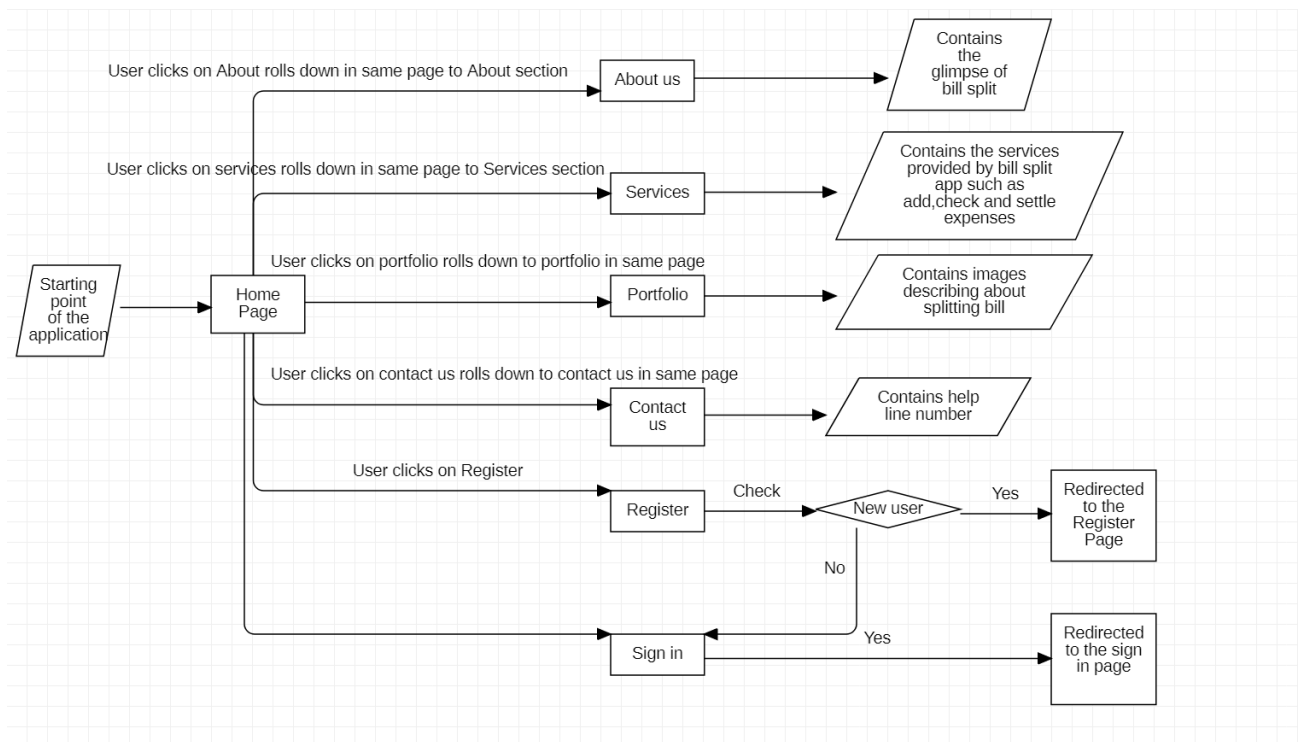
User can also update his profile from the profile page itself by clicking edit profile, then it will redirect to the new page, all the exist details will be shown in a form, user has to edit the form based on the changes required by the user and details will be updated based on the details changed by the user, and then page will be redirected to the profile page, which it will show profile which is based on the latest updates made by the user. When user clicks logout, the page will be redirected to the login page again and all the above functionalities can be done by the user.

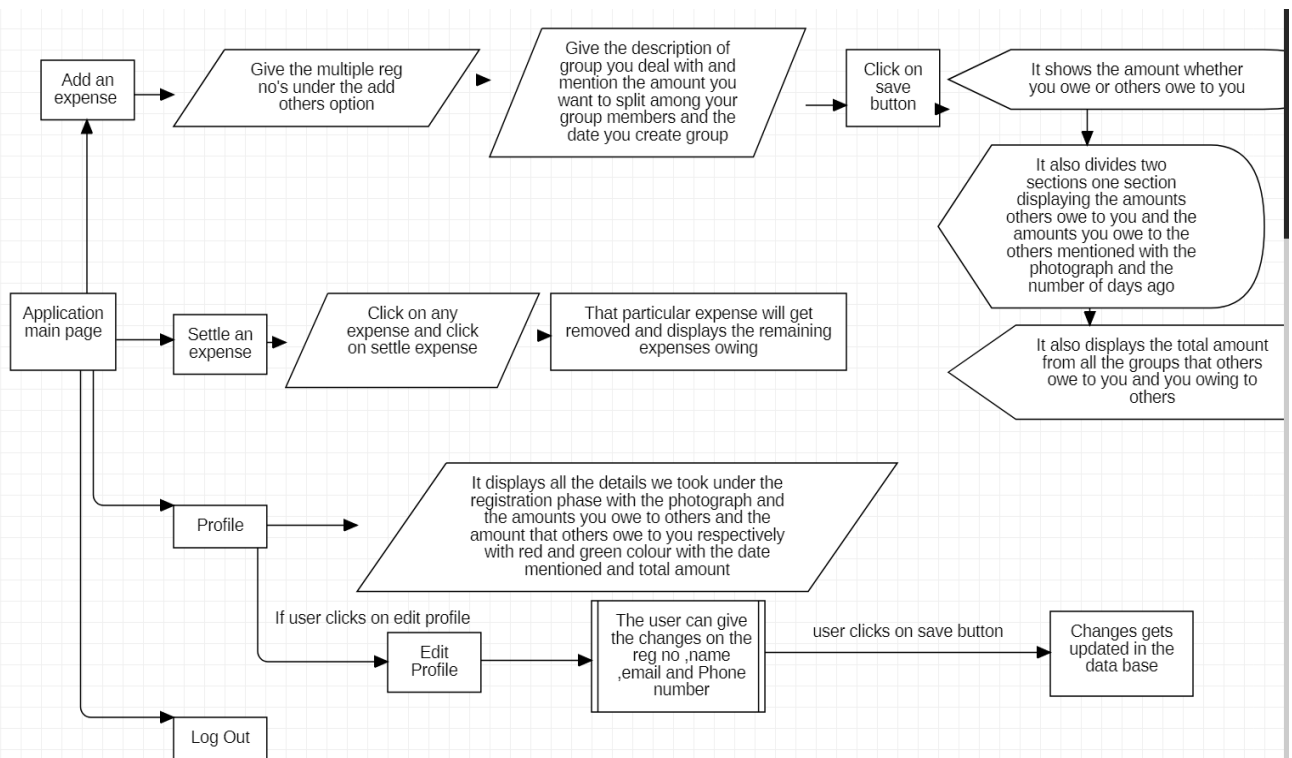
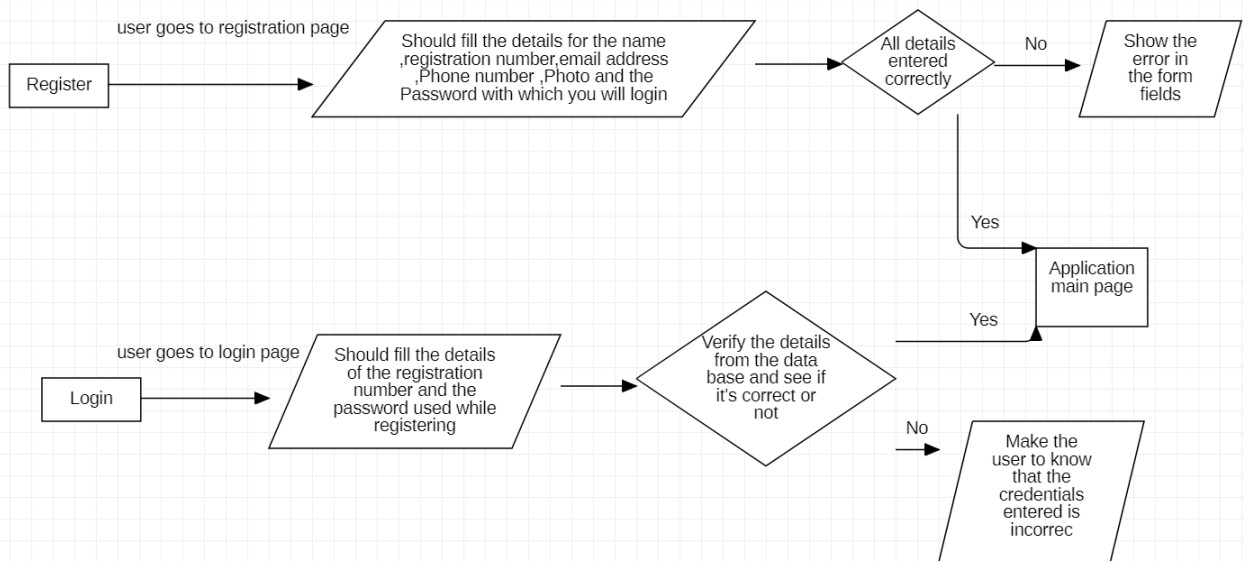
System Design

ER Diagram:



Flow Charts:





Methodology with modules

❖ Home page Module:

Home page was made with the good User Interface attracting the clients towards the application. On the top of the page, we have created the navigation bar providing the user with four options.

It displays the main theme of the application and represents the description of the application. It contains background image representing the theme related to the bill split up among the friends, family and relatives and at the top it has “Start split of your bill” which makes the user to understand that it is the initial page and the application starts here.

It contains the description with saying that the App is the favorite place for the bill splitting among their friends, family and relatives. On clicking the options on the About, Services, Portfolio, contact us present in the navigation bar, the screen gets rolled into the respective portions present in the same home page, but the options which have the links to the next page which are “Register” and “Sign in” are redirected to the new pages which are created for the register and sign in respectively. “Register” and “Sign in” are given underline symbol.

❖ About Module:

When the user clicks on the About, the screen rolls and comes to the about section which is in the same page, the statements give a glimpse of how to use the application that is the user can create the groups, add the expenses and can view their recent activities and settle the expenses. It has a button “Get Started” which will again take to the top of the page making them to register or sign in

❖ Services Module:

When the user clicks on the Services, the screen rolls and comes to the Services section which is in the same page, this section contains the bootstrap icons which gives the user clear information by representing the images.

The first one is bill split, where it says the split of the bill amount is done on the group of people. The second one is group of people symbol where the user can create the different groups and add, settle the bills by bill split. The third one is the add an expense, where the user can give the description and amount that they have spent among that group. The fourth one is check and view the expenses where the user can check whose share amount is what, hence the amount each one of them have to pay in the group and can view and settle those expenses.

❖ **Portfolio Module:**

When the user clicks on the Portfolio, the screen rolls and comes to the Portfolio section which is in the same page, this section contains the images describing about the application, that is splitting the bill among a group of people.

❖ **Contact Us Module:**

When the user clicks on the Contact us, the screen rolls and comes to the Contact us section which is in the same page, this section contains, if the user have any clarifications on the bill split, they can send the message, so that there is a helpline number, replying back to them as soon as possible, it contains the mobile icon and the helpline number provided below it.

❖ **Sign Up Module:**

Signup is a module in our website in which a fresh user can register. It is mandatory to have an account to use this website.

❖ **Login Module:**

After signing up in-order to use the facilities and services provided by our website it is mandatory for the users to login with the username and password given during signup stage. Only, if it matches with the respective details it will redirect to the home page. If they are new users to our website, they have to sign-up using signup option provided in this page and then login.

❖ **Dash Board Module:**

In Dash Board you can able to check the bills you owe or owned and can navigate to Add Expensive and Settle Expense page.

❖ **Profile Module:**

User can view his/her details and can able to check the amount there own or lent and can navigate to edit profile page.

❖ **Edit profile Module:**

User can edit their details like name, email, phone number in this page.

❖ **Add expensive Module:**

In this user will add the bill expense and description about the bill, amount of the bill has to select the paid by and spilt to the persons and date of the bill.

❖ **Settleup Module:**

Once if you settle the bill, then select that particular bill and click settleup button.

❖ **Log out Module:**

The main aim for developing the module is after successfully adding the expensive or settle up by using our application, the user can logout using the option

System Specification

• **Hardware requirement**

For PC:

Processor : Intel i3 10th Generation
Ram : minimum 2GB

For Mobile:

Processor : Any processor with clock speed of minimum 1Gz
Ram : 512Mb
Operating System : Android 9,9+ iOS 10+

• **Software requirement**

Tools used by us in the project:

- Bootstrap
- Visual Studio Code
- Xampp local server
- Web flow
- HTML, CSS and Java Script
- PHP MYSQL server
- Apache Server

Apache, MYSQL, HTML, CSS, JAVA SCRIPT had played a main role and we represent them as the core technologies in the project.

Coding

Drive link for complete code:

https://drive.google.com/drive/folders/15lda1-COaDz5yGLxqYi5IH5nRNWfXckK?usp=share_link&pli=1

Front end:

Html:

```
<? Homepage.html X
```

```
IWP-JCOMP > Pages > <> Homepage.html > ...  
1 |<!DOCTYPE html>  
2 |<html lang="en">  
3 |   <head>  
4 |     <meta charset="utf-8" />  
5 |     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />  
6 |     <meta name="description" content="" />  
7 |     <meta name="author" content="" />  
8 |     <title>Homepage</title>  
9 |     <!-- Bootstrap Icons-->  
10|    <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.5.0/font/bootstrap-icons.css" rel="stylesheet" />  
11|    <!-- Google fonts-->  
12|    <link href="https://fonts.googleapis.com/css?family=Merriweather+Sans:400,700" rel="stylesheet" />  
13|    <link href="https://fonts.googleapis.com/css?family=Merriweather:400,300,300italic,400italic,700,700italic" rel="stylesheet" type="text/css">  
14|    <!-- SimpleLightbox plugin CSS-->  
15|    <link href="https://cdnjs.cloudflare.com/ajax/libs/SimpleLightbox/2.1.0/simpleLightbox.min.css" rel="stylesheet" />  
16|    <!-- Core theme CSS (includes Bootstrap)-->  
17|    <link href="../Styles/homepage.css" rel="stylesheet" />  
18|  </head>  
19|  <body id="page-top">  
20|    <!-- Navigation-->  
21|    <nav class="navbar navbar-expand-lg navbar-light fixed-top py-3" id="mainNav">  
22|      <div class="container px-4 px-lg-5">  
23|        <a class="navbar-brand" href="#page-top">Start split of your BILL</a>  
24|        <button class="navbar-toggler navbar-toggler-right" type="button" data-bs-toggle="collapse" data-bs-target="#navbarResponsive" aria-  
25|          <div class="collapse navbar-collapse" id="navbarResponsive">  
26|            <ul class="navbar-nav ms-auto my-2 my-lg-0">  
27|              <li class="nav-item"><a class="nav-link" href="#about">>About</a></li>  
28|              <li class="nav-item"><a class="nav-link" href="#services">Services</a></li>  
29|              <li class="nav-item"><a class="nav-link" href="#portfolio">Portfolio</a></li>  
30|              <li class="nav-item"><a class="nav-link" href="#contact">>Contact</a></li>  
31|              <li class="nav-item"><a href="SignUp.html">Register</a></li>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
32|              <li class="nav-item"><a href="Login.html">Log in</a></li>  
33|            </ul>  
34|          </div>  
35|        </div>  
36|      </nav>
```

```
<> login.html X
IWP-JCOMP > Pages > <> login.html > ...
1 <!DOCTYPE html>
2 <html lang="en" dir="ltr">
3 <head>
4   <meta charset="utf-8">
5   <title>Login</title>
6   <link rel="stylesheet" href="../Styles/login.css">
7 </head>
8
9 <body>
10   <section class="parent">
11     <section class="child">
12       <br>
13       <br>
14       <p align="center">
15         
16       </p>
17     </section>
18     <section class="child">
19       <div class="center">
20         <h2 align="center">Login</h2>
21         <br>
22         <h3 align="center" color:"blue">Please enter the credentials</h3>
23         <form action="../Script/login_check.php" method="post">
24           <div class="txt_field">
25             <input type="text" name="rgd" required>
26             <span></span>
27             <label>Registration Number</label>
28           </div>
29           <div class="txt_field">
30             <input type="password" name="psw" required>
31             <span></span>
32             <label>Password</label>
```

```

3 <html>
4
5 <head>
6   <title>Sign Up</title>
7   <link rel="preconnect" href="https://fonts.googleapis.com">
8   <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
9   <link href="https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;1,400;1,700;1,900" rel="stylesheet">
10  <link rel="stylesheet" href="../Styles/signup.css">
11 </head>
12
13 <body>
14   <div id="d2">
15     <h1 style="font-size: 3rem; margin-top: 4rem;"> Sign Up Form </h1>
16     <p style="margin-top: 0;">Fill in the form to become a member.</p>
17     <form name="form1" action="../Script/store.php" method="POST" enctype="multipart/form-data">
18       <table>
19         <tr>
20           <td><label for="name"><b>Name</b></label></td>
21           <td><input id="name" type="text" placeholder="Your Full Name" name="name"></td>
22         </tr>
23         <tr>
24           <td><label for="regno"><b>Registration No</b></label></td>
25           <td><input id="regno" type="text" placeholder="Eg. 20BCE1001" name="regno"></td>
26         </tr>
27         <tr>
28           <td><label for="email"><b>Email</b></label></td>
29           <td><input id="email" type="email" placeholder="Your Email Address" name="email"></td>
30         </tr>
31         <tr>
32           <td><label for="phone"><b>Phone</b></label></td>
33           <td><input id="phone" type="text" placeholder="Your Contact Number" name="phone"></td>
34         </tr>

```

CSS Pages:

```
# login.css X
IWP-JCOMP > Styles > # login.css > .child
1 .child {
2   float: left;
3   width: 50%;
4 }
5
6 @media (min-width: 768px) {
7   .parent {
8     display: flex;
9   }
10 }
11
12 form {
13   border: 3px solid #f1f1f1;
14 }
15
16 @import url("https://fonts.googleapis.com/css2?family=Noto+Sans:wght@700&family=Poppins:wght@400;
17 * {
18   margin: 0;
19   padding: 0;
20   box-sizing: border-box;
21   font-family: "Poppins", sans-serif;
22 }
23 body {
24   margin: 0;
25   padding: 0;
26   background: linear-gradient(120deg, #2980b9, #8e44ad);
27   height: 100vh;
28   overflow: hidden;
29 }
30 .center {
31   position: absolute;
32   top: 50%;
33   left: 50%;
```

```
# navbar.css X
IWP-JCOMP > Styles > # navbar.css > #img1
1 #img1 {
2   height: 40px;
3   width: 40px;
4 }
5
6 #abcd {
7   margin-left: 70rem;
8   display: flex;
9   flex-direction: row;
10 }
11
12 .navbar {
13   background-color: #d066ff;
14 }
```

Java Script:

```
JS dashboard.js X
IWP-JCOMP > Script > JS dashboard.js > ...
1  $("#amount, #mem").keyup(function(){
2      var amount = $("#amount").val();
3      var count = ($("#mem").val().trim().split(" ").length + 1;
4      var value = (Math.round(amount / count * 100) / 100).toFixed(2);
5      $("#perPerson").val(value);
6      $("#amountText").text("₹ " + value + " / person");
7  });
8
9  $(".expense").click(function(){
10     if($(this).hasClass("active")){
11         |   $(this).removeClass("active");
12     } else {
13         |   $(this).addClass("active");
14     }
15 });
16
17 var selected = [];
18
19 function handleSelect(id){
20     if(selected.includes(id)){
21         |   selected = selected.filter(function(item){
22         |       |   return item != id;
23         |   });
24     } else {
25         |   selected.push(id);
26     }
27     $("#actid").val(selected.join(" "));
28 }
```

```
JS script.js X
IWP-JCOMP > Script > JS script.js > ...
10 window.addEventListener('DOMContentLoaded', event => {
11     // Navbar shrink function
12     var navbarShrink = function () {
13         const navbarCollapsible = document.body.querySelector('#mainNav');
14         if (!navbarCollapsible) {
15             return;
16         }
17         if (window.scrollY === 0) {
18             navbarCollapsible.classList.remove('navbar-shrink')
19         } else {
20             navbarCollapsible.classList.add('navbar-shrink')
21         }
22     };
23
24     // Shrink the navbar
25     navbarShrink();
26
27     // Shrink the navbar when page is scrolled
28     document.addEventListener('scroll', navbarShrink);
29
30     // Activate Bootstrap scrollspy on the main nav element
31     const mainNav = document.body.querySelector('#mainNav');
32     if (mainNav) {
33         new bootstrap.ScrollSpy(document.body, {
34             target: '#mainNav',
35             offset: 74,
36         });
37     };
38
39     // Collapse responsive navbar when toggler is visible
40     const navbarToggler = document.body.querySelector('.navbar-toggler');
41     const responsiveNavItems = [].slice.call(
42         document.querySelectorAll('#mainNav .nav-item'), 0,
43         document.querySelectorAll('#mainNav .nav-item').length - 1);
44     responsiveNavItems.map(function (navItem) {
45         let navbarTogglerClickFunction = function () {
46             if (navbarToggler.classList.contains('active')) {
47                 responsiveNavItems.forEach(function (el) {
48                     el.classList.remove('show');
49                 });
50             }
51         };
52         navItem.addEventListener('click', navbarTogglerClickFunction);
53     });
54 }
```

Back End:

```
addExpense.php X
IWP-JCOMP > Script > addExpense.php
1  <?php
2      session_start();
3      include('connect.php');
4
5      $members = $_POST['members'];
6      $amount = $_POST['amount'];
7      $description = $_POST['desc'];
8      $date = $_POST['date'];
9      $perPerson = $_POST['perPerson'];
10
11     // Recieve from session
12     $reciever_id = $_SESSION['regno'];
13     $reciever_name = $_SESSION['name'];
14
15     $mem_ids = explode(" ", $members);
16     foreach ($mem_ids as $mem_id) {
17         $res = $conn->query("SELECT * FROM users WHERE regno = '$mem_id'");
18         $mem_names[] = $res->fetch_assoc()['name'];
19     }
20
21     for ($i = 0; $i < count($mem_ids); $i++) {
22         $sql = "INSERT INTO activities (sender_id, sender_name, reciever_id, reciever_name, amount, descr";
23         $result = $conn->query($sql);
24     }
25     header("Location: http://localhost/IWP-JComp/Script/dashboard.php");
26     $conn->close();
27     ?>
```





```
login_check.php X
IWP-JCOMP > Script > login_check.php
1 <?php
2     session_start();
3     include('connect.php');
4
5     $rgd = $_POST['rgd'];
6     $pass = $_POST['psw'];
7
8     $query = 'SELECT * FROM users WHERE regno="' . $rgd . '"';
9     $res = mysqli_query($conn, $query);
10    $rows = mysqli_num_rows($res);
11    if ($rows == 1) {
12        $user = mysqli_fetch_assoc($res);
13        if ($user['password'] == $pass) {
14            $_SESSION['regno'] = $rgd;
15            $_SESSION['name'] = $user['name'];
16            $test = $_SESSION['regno'];
17            echo "<script>
18            |     localStorage.setItem('regno', JSON.stringify('$rgd'));
19            </script>";
20            header("Location: http://localhost/IWP-JComp/Script/dashboard.php");
21        }
22        else
23        {
24            echo "User exists but entered incorrect password";
25        }
26    } else {
27        echo "<script> User not found </script>";
28        header("Location: http://localhost/IWP-JComp/Pages/login.html");
29    }
30    $conn->close();
31    ?>
```


```
store.php X
IWP-JCOMP > Script > store.php
1 <?php
2 session_start();
3 $name = trim($_POST['name']);
4 $rgd_no = trim($_POST['regno']);
5 $email = trim($_POST['email']);
6 $phone = trim($_POST['phone']);
7 $pass = trim($_POST['pass']);
8 $conpass = trim($_POST['conpass']);
9
10 $_SESSION['regno'] = $rgd_no;
11 $_SESSION['name'] = $name;
12
13 if (empty($name)) {
14     echo '<script> alert("Please enter your name") </script>';
15     header("Location: ../Pages/SignUp.html");
16 }
17
18 if (empty($rgd_no)) {
19     echo '<script> alert("Please enter your registration number") </script>';
20     header("Location: ../Pages/SignUp.html");
21 }
22
23 $patt = "/[0-9]{2}[a-zA-Z]{3}[0-9]{4}/";
24 if (!preg_match($patt, $rgd_no)) {
25     echo '<script> alert("Please enter valid registartion number") </script>';
26     header("Location: ../Pages/SignUp.html");
27 }
28
29 if (empty($email)) {
30     echo '<script> alert("Please enter your email id") </script>';
31     header("Location: ../Pages/SignUp.html");
32 }
```

MYSQL:

Users table:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	name	text	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	2	regno 	varchar(9)	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	3	email 	text	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	4	pic	text	utf8mb4_general_ci		No	'default.png'		
<input type="checkbox"/>	5	phone	bigint(20)			Yes	NULL		
<input type="checkbox"/>	6	password	text	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	7	createdAt	timestamp			No	current_timestamp()		

Activites table:

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	id 	int(11)			No	None		AUTO_INCREMENT
<input type="checkbox"/>	2	sender_id	text	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	3	sender_name	text	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	4	reciever_id	text	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	5	reciever_name	text	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	6	description	text	utf8mb4_general_ci		Yes	NULL		
<input type="checkbox"/>	7	date	date			No	None		
<input type="checkbox"/>	8	amount	bigint(20)			No	None		
<input type="checkbox"/>	9	settled	tinyint(1)			No	0		

Front End_Back End_Connection and Manipulation of Data:

```
<?php
$servername = "localhost";

$username = "root";

$password = "";

$dbname = "splitWise";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error)

{

    die("Connection failed: " . $conn->connect_error);

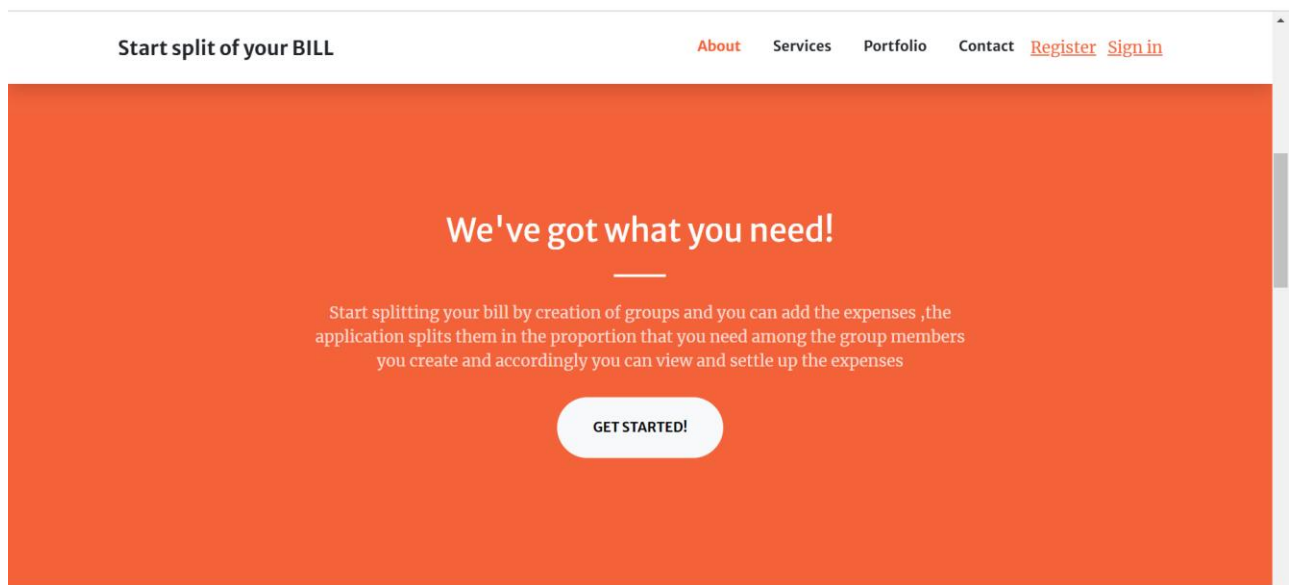
}
```

Results (with Screenshot)

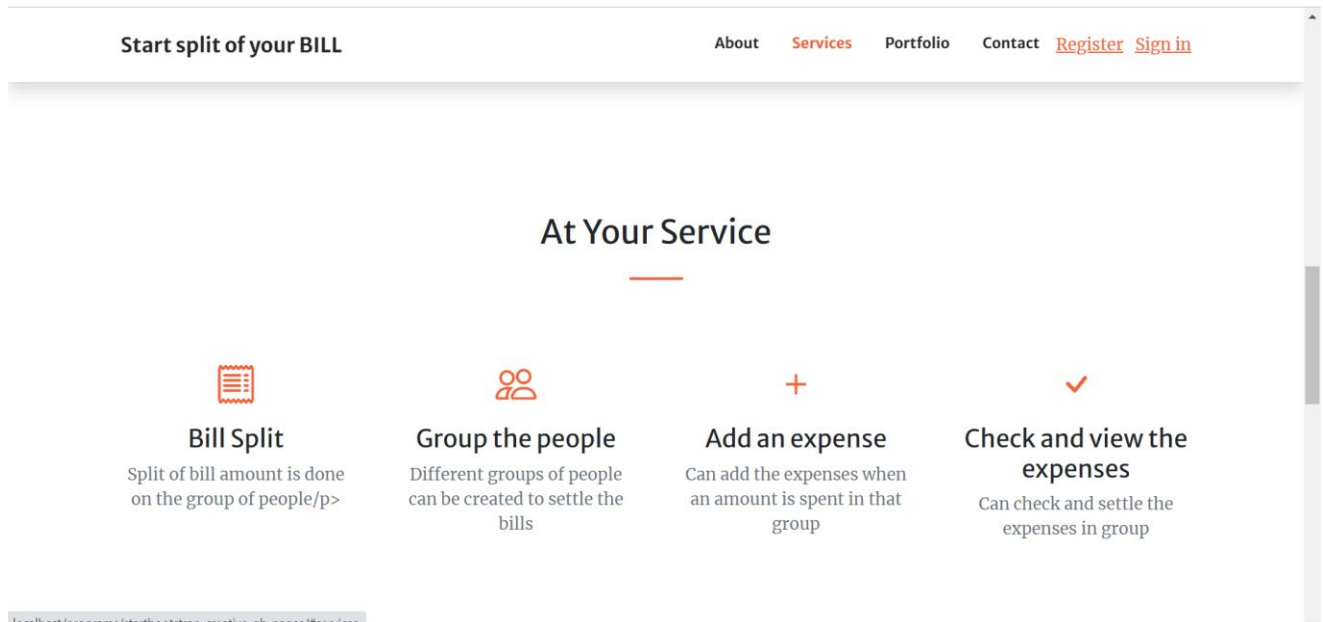
Home Page:



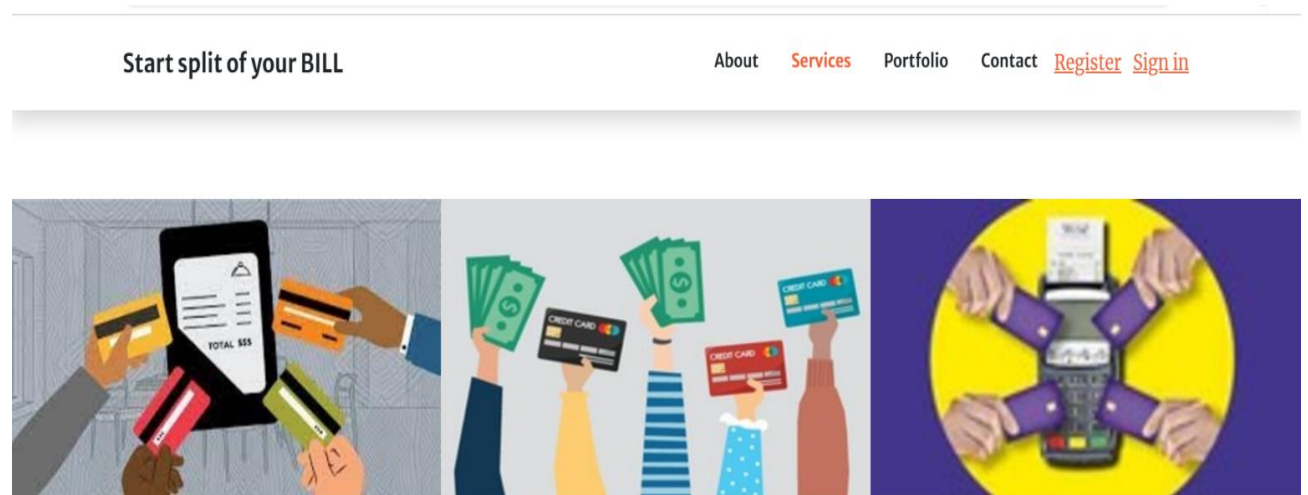
Clicking on About:



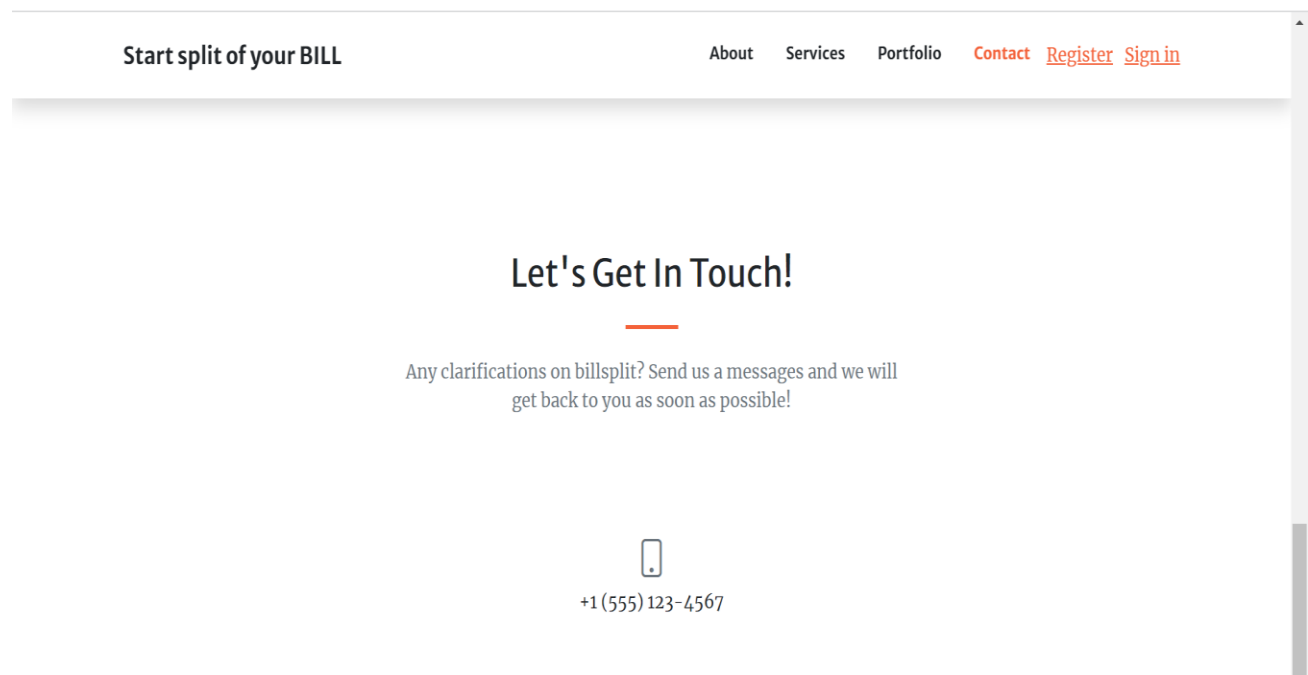
Clicking on Services:



Clicking on Portfolio:



Clicking on Contact:




Registration Page:

Sign Up Form

Fill in the form to become a member.

Name	<input type="text" value="Your Full Name"/>
Registration No	<input type="text" value="Eg. 20BCE1001"/>
Email	<input type="text" value="Your Email Address"/>
Phone	<input type="text" value="Your Contact Number"/>
Upload Photo	<input type="button" value="Choose File"/> No file chosen
Password	<input type="password"/>
Confirm Password	<input type="password"/>

Sign Up Page:




Login

Please enter the credentials

☒ Remember me

[Not a member? Signup](#)

SPLIT THE BILL



Adding expenses:

Add Expense

Add Others

REGNO OR EMAIL

Description

₹ 0.00

Paid by you and split equally
₹ 0.0 / person

Date

dd-mm-yyyy

Cancel


Save


Profile View Page:


← → ↻

localhost/IWP-JComp/Script/profile.php

🔖 ☆ ⚙ 📱

 Home

 Raviteja ▾



Name	Raviteja
Registration No	20BCE1156
Email	raviteja@gmail.com
Phone	9391601809
Account Created On	2022-11-18

Activites

From/To	Activity Description	Amount	Date	Settled
20bce1962	gymkhana	400	2022-11-18	No
20BCE1123	gymkhana	400	2022-11-18	No
20BcE1488	gymkhana	400	2022-11-18	No

Editing the Profile Page:

Browser tabs: Edit Profile, localhost / 127.0.0.1 / splitwise / , Vellore Institute of Technology (V)

Address bar: localhost/IWP-JComp/Script/editProfile.php

Edit profile

Registration No 20BCE1156

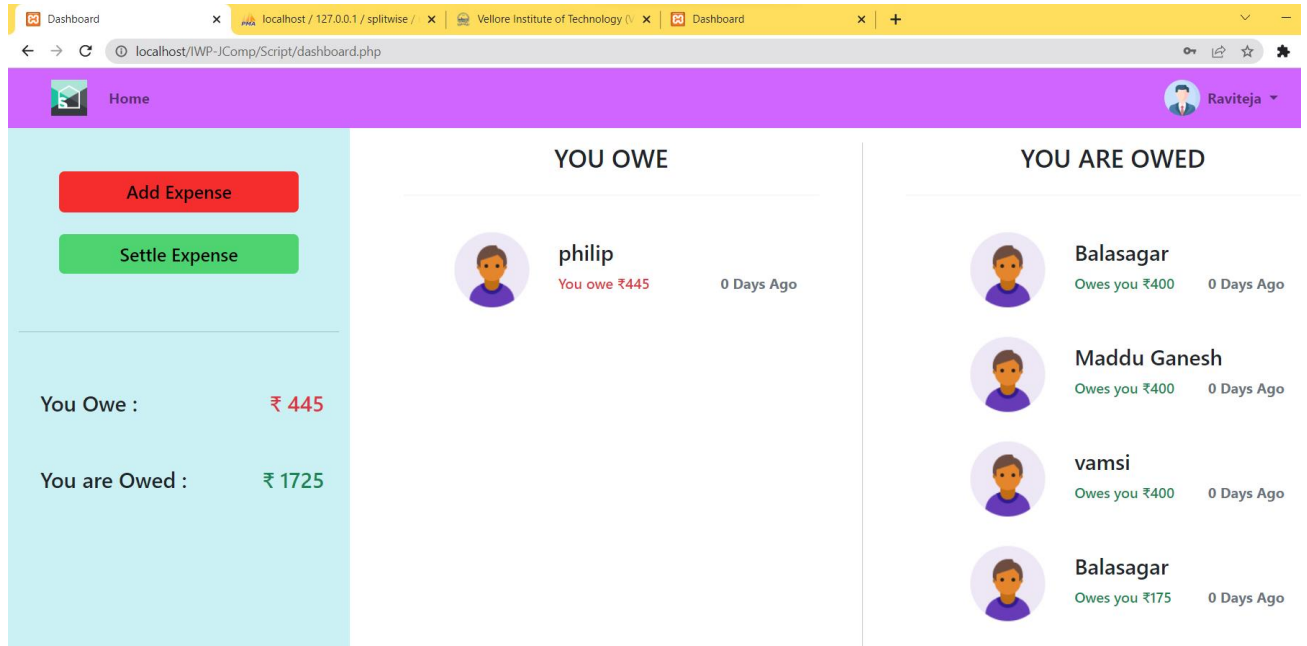
Name

Email

Phone

File explorer: mypic.png

Settling up the expenses:



Conclusion

We have developed this application to help user to track a user personal expense, his/her contribution towards group expenses, maintain monthly income, recurring payments, and to settle all the shares on the spot. It also provides information of "who owes who and by how much".

This application will reduce human efforts for the settlement of the shares. It will also minimize the human interfere in the splitting process which will lead to the most accurate results. The application will eliminate sticky. note, spreadsheet and ledger that cause confusions, data inconsistency problems while recording and splitting of expenses.

As part of research, we considered adding certain features to the application to make it more useful to the user. Some of the extra features are like enabling users to register to the application using existing email or social network account, it will synchronize the users profile information to the application. Apart from this application can be used to collect the user expense data with permissions and use those sample data as parameters to evaluate patterns of spending. Using data mining technique expenses can be classified and user can reduce the unwanted expenses which will increase his/her savings.

This application will not only help user to maintain expenses but will also settle the expenses on the spot which could be hectic process.