

Dear Hiring Manager,

I would like to include my latest Web development project report as the additional document.

Thankyou,

Sheifali Momin

Project Documentation  
Principle of Database System

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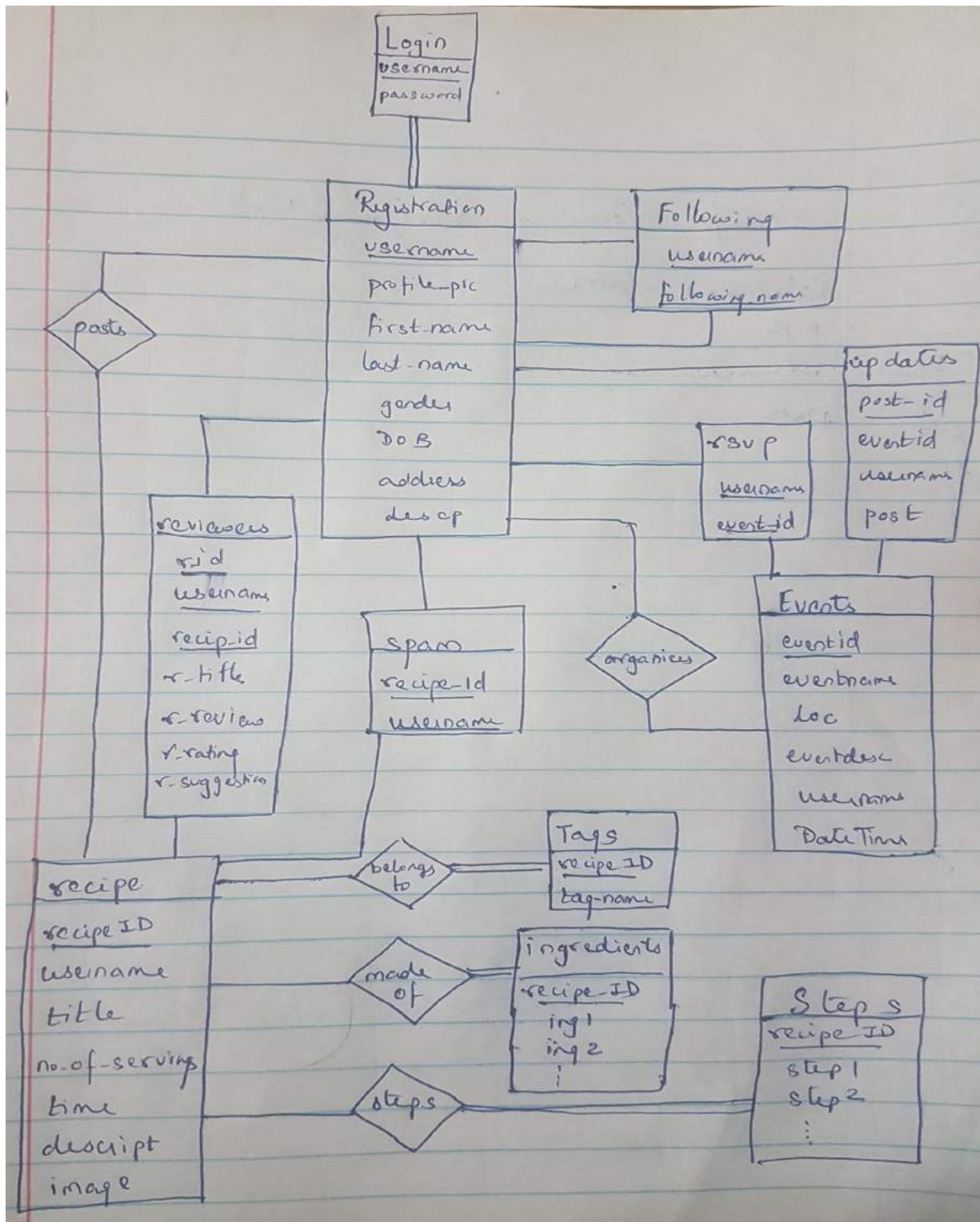
## 1. Project Requirement:

- a. design a relational backend for a website called cookzilla™ that focuses on cooking and recipes. The site should allow people to:
  - i. post cooking recipes.
  - ii. to review and grade posted cooking recipes
  - iii. to attach additional suggestions to a posted recipe
  - iv. to organize cooking meetings with other users.
- b. create a web-based user interface for the database designed in the first project. In particular, users should be able to register, create a profile, log in, create, read, rate, and comment on recipes, join cooking groups, and RSVP to group cooking meets.

basic functionality:

  - users should be able to perform all operations via a standard web browser. (A web server, connects to database, then calls appropriate stored procedures to complete these operations.)

## 2. Database Design:



ER Diagram

## Relational schema:

**Registration**(username, profile\_pic, first\_name, last\_name, gender, date\_of\_birth, zip, city, country, state, discription)

**login** (username, password)

**following** (username, following\_name)

**recipe** (recipe\_id, recipe\_username, recipe\_title, no\_of\_servings, recipe\_time, description, recipe\_image)

**ingredients** (recipe\_id, ing1, ing2, ing3, ing4, ing5, ing6, ing7, ing8, ing9, ing10)

**steps** (recipe\_id, step1, step2, step3, step4, step5, step6, step7, step8, step9, step10)

**tags** (recipe\_id, tag\_name)

**spam** (recipe\_id, username)

**reviewers** (r\_id, username, recipe\_id, r\_title, review, rating, suggestions, r\_image, c\_time)

**events** (event\_id, event\_name, event\_location, event\_description, event\_organizer, Date, Time)

**rsvp** (username, event\_id)

**updates** (post\_id, event\_id, username, post, ppath, ptime)

## Explanation of this relational schema:

### Registration:

- Registration table stores the information of each and every user.

Field	Type	Null	Key	Default	Extra
username	varchar(20)	NO	PRI	NULL	
profile_pic	varchar(200)	NO		NULL	
first_name	varchar(20)	YES		NULL	
last_name	varchar(20)	YES		NULL	
gender	varchar(10)	YES		NULL	
date_of_birth	date	YES		NULL	
zip	int(10)	YES		NULL	
city	varchar(20)	YES		NULL	
country	varchar(20)	YES		NULL	
state	varchar(20)	YES		NULL	
discription	varchar(50...	NO		NULL	

### Login:

- Login table stores the information of the user's credentials.

Field	Type	Null	Key	Default	Extra
username	varchar(20)	NO	PRI	NULL	
password	varchar(20)	NO		NULL	

### Following:

- One user can follow another user.
- Following table stores information about which user follows which user.

Field	Type	Null	Key	Default	Extra
username	varchar(20)	NO	PRI	NULL	
following_name	varchar(20)	NO	PRI	NULL	

### Recipe:

- Recipe table stores detail information about the recipe which will be posted.

Field	Type	Null	Key	Default	
recipe_id	int(11)	NO	PRI	NULL	
recipe_username	varchar(20)	NO	MUL	NULL	
recipe_title	varchar(50)	NO		NULL	
no_of_servings	int(20)	YES		NULL	
recipe_time	int(20)	YES		NULL	
description	varchar(5000)	YES		NULL	
recipe_image	varchar(50)	YES		NULL	
time	timestamp	NO		CURRENT_TIMESTAMP	

### Ingredients:

- Ingredients table stores which ingredient will be required to make a particular recipe.

Field	Type	Null	Key	Default	Extra
i_recipe_id	int(20)	NO	MUL	NULL	
ing1	varchar(100)	YES		NULL	
ing2	varchar(100)	YES		NULL	
ing3	varchar(100)	YES		NULL	
ing4	varchar(100)	YES		NULL	
ing5	varchar(100)	YES		NULL	
ing6	varchar(100)	YES		NULL	
ing7	varchar(100)	YES		NULL	
ing8	varchar(100)	YES		NULL	
ing9	varchar(100)	YES		NULL	
ing10	varchar(100)	YES		NULL	

### Steps:

- All the steps on how make that particular recipe is stores on the steps table.

Field	Type	Null	Key	Default	Extra
recipe_id	int(20)	NO	PRI	NULL	
step1	varchar(1000)	YES		NULL	
step2	varchar(1000)	YES		NULL	
step3	varchar(1000)	YES		NULL	
step4	varchar(1000)	YES		NULL	
step5	varchar(1000)	YES		NULL	
step6	varchar(1000)	YES		NULL	
step7	varchar(1000)	YES		NULL	
step8	varchar(1000)	YES		NULL	
step9	varchar(1000)	YES		NULL	
step10	varchar(1000)	YES		NULL	

### Tags:

- A recipe belongs to different category.
- This category is referred as tag.
- Tags store the information about which recipe belongs to which tags.

Field	Type	Null	Key	Default	Extra
t_recipe_id	int(20)	NO	MUL	NULL	
tag_name	varchar(50)	NO		NULL	

### Spam:

- There can be a recipe which is reported as inappropriate.
- Spam table stores information of which recipe is spammed.

Field	Type	Null	Key	Default	Extra
t_recipe_id	int(20)	NO	MUL	NULL	
tag_name	varchar(50)	NO		NULL	

### Reviewers:

- User can provide reviews, suggestions or their feedbacks on to another user's recipe.
- This information is stored on the reviewers table.

Field	Type	Null	Key	Default
r_id	int(11)	NO	PRI	NULL
r_username	varchar(45)	NO	MUL	NULL
r_recipe_id	int(20)	NO	MUL	NULL
r_title	varchar(50)	YES		NULL
review	varchar(50)	YES		NULL
rating	int(10)	YES		NULL
suggestions	varchar(500)	YES		NULL
r_image	varchar(500)	YES		NULL
c_time	timestamp	NO		CURRENT_TIMESTAMP

### Events:

- Table events stores detail information of each events.

Field	Type	Null	Key	Default	Extra
▶ event_id	int(11)	NO	PRI	NULL	
event_name	varchar(50)	NO		NULL	
event_location	varchar(50)	NO		NULL	
event_description	varchar(1000)	YES		NULL	
event_organizer	varchar(20)	NO		NULL	
Date	date	NO		NULL	
Time	time	NO		NULL	

### Rsvp:

- Table rsvp stores information of each user who have registered for an event.

Field	Type	Null	Key	Default	Extra
username	varchar(20)	NO		NULL	
event_id	int(11)	NO		NULL	

### Updates:

- Any updation done to the events or there can be posts on to the events.
- Updates table store all such information.

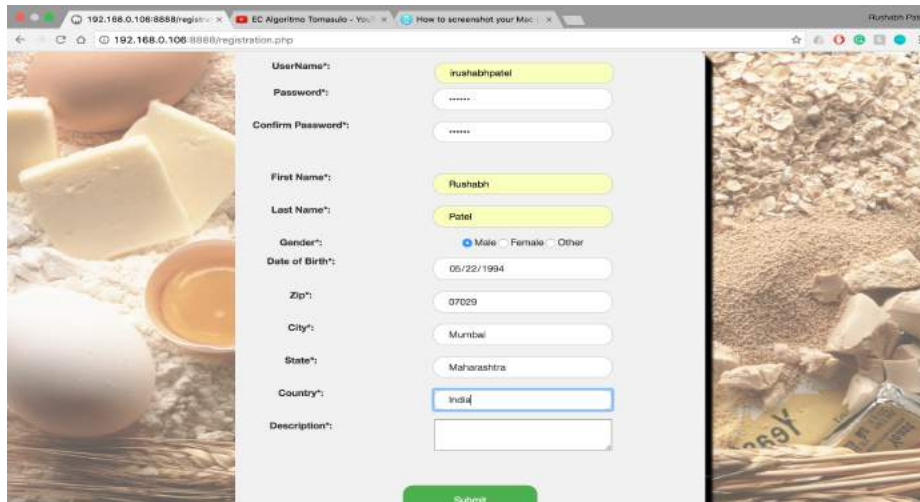
Field	Type	Null	Key	Default
post_id	int(11)	NO	PRI	NULL
u_event_id	int(20)	NO	MUL	NULL
u_username	varchar(20)	NO	MUL	NULL
post	varchar(1000)	NO		NULL
ppath	varchar(50)	NO		NULL
ptime	timestamp	NO		CURRENT_TIMESTAMP



### 3. Functionality Design:

#### I. Required Features:

##### a) SIGN UP:



Constraints:

- Username is unique.
- The password and confirm password should match.

Successful Situation:

Registration Successful! Please close this popup and go back to login page

Close

After submission of this form, the database:

Server: localhost - Database: cookzilla - Table: registration								
username	path	first_name	last_name	gender	date_of_birth	zip	ci	
bhrama	/Applications/MAMP/htdocs/contactphoto.jpg	Fenica	Shah	male	1994-02-06	400097	Mun	
dave	/Applications/MAMP/htdocs/default.png	Nick	Dave	male	1994-12-08	400068	Mun	
David	/Applications/MAMP/htdocs/default.png			male	1970-01-01	0		
drumil	/Applications/MAMP/htdocs/10917118_102022860886335...	Drumil	Bakhai	male	1994-11-08	40008	Mah	
rushabhpatel	/Applications/MAMP/htdocs/10686647_791664377558070...	Rushabh	Patel	male	1994-05-22	112	Jour Squ	
omkarKeluskar	/Applications/MAMP/htdocs/10922456_865867440131168...	Omkar	Keluskar	male	2016-03-15	400065	Mun	
palakshah	/Applications/MAMP/htdocs/10342953_102063044009986...	Palak	Shah	female	1994-10-05	400097	Mun	
rgp296	/Applications/MAMP/htdocs/chris_palmer_profile_11....	Rushabh	Shah	male	2016-12-22	3213	Mun	

CODE:

```
$sql = "INSERT INTO registration (username, path, first_name, last_name, gender, date_of_birth, zip, city, country, state, discription)
VALUES ('$username', '/Applications/MAMP/htdocs/default.png','$firstname', '$lastname', '$gender',
'$your_date', '$zip', '$city', '$country', '$state', '$discription')";

//Setting default image and insert the data user provided

if(mysqli_query($mysqli, $sql)){

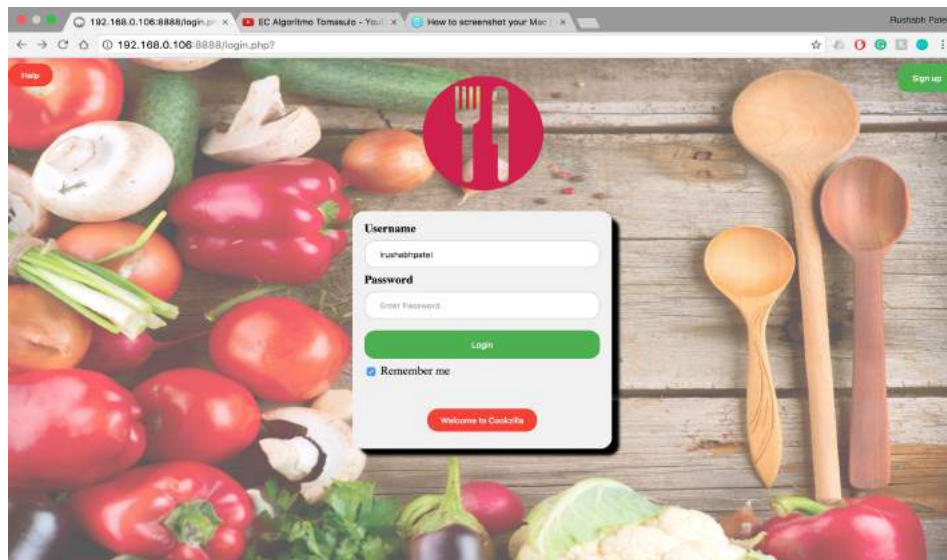
$sql1 = "INSERT INTO login (username, password) VALUES ('$username', '$password')";

if(mysqli_query($mysqli, $sql1)){
    echo "<script>alert('Registration Successful! Please close this popup and go back to login
page');</script>";
} else{
    echo "<script>alert('Make sure your username is correct and your password matches');</script>";
}

} else{
    echo "<script>alert('Something went Wrong please check the form again!');</script>";
}
```

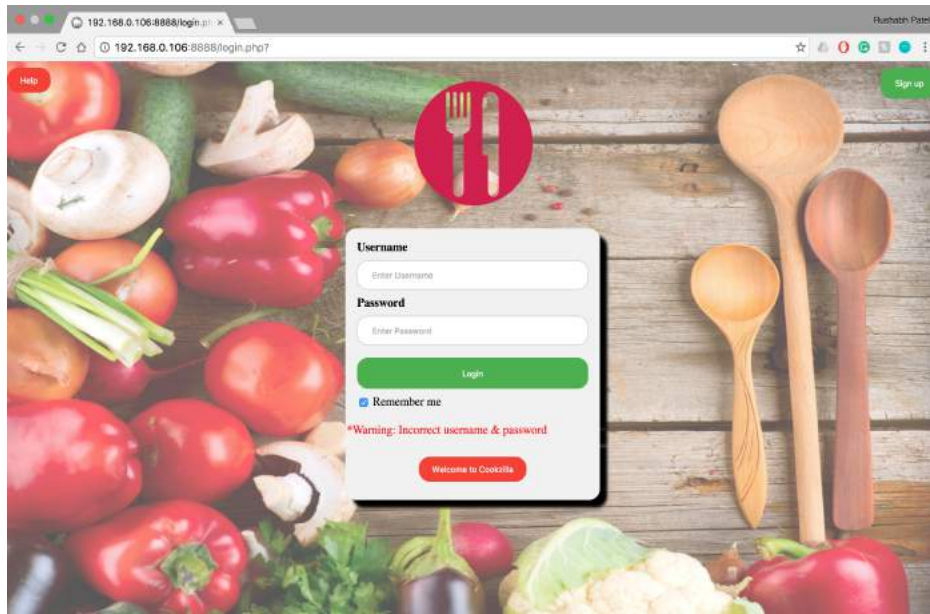
LOGIN:

If the user has already sign up, then he needs to only login.



If the user clicks on “Remember me” then the remember session will set and the system will remember the username and password.

Error Situation: if the username and password is incorrect.



When Login in, username of user will be put in SESSION.  
After submission of this form, page is directed to the homepage:

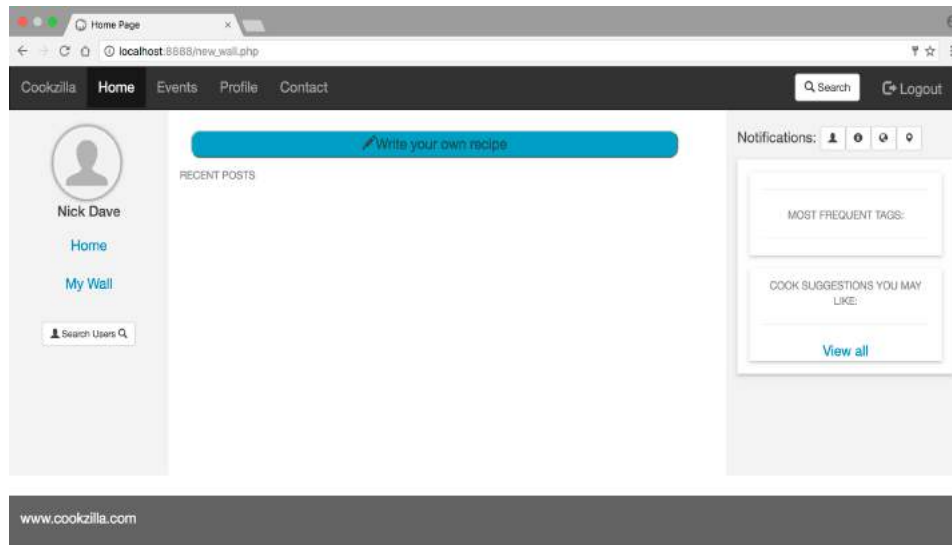
CODE:

```
$resultSet = $mysqli->query("SELECT username, password FROM login WHERE username='$username'
AND password='$password'");

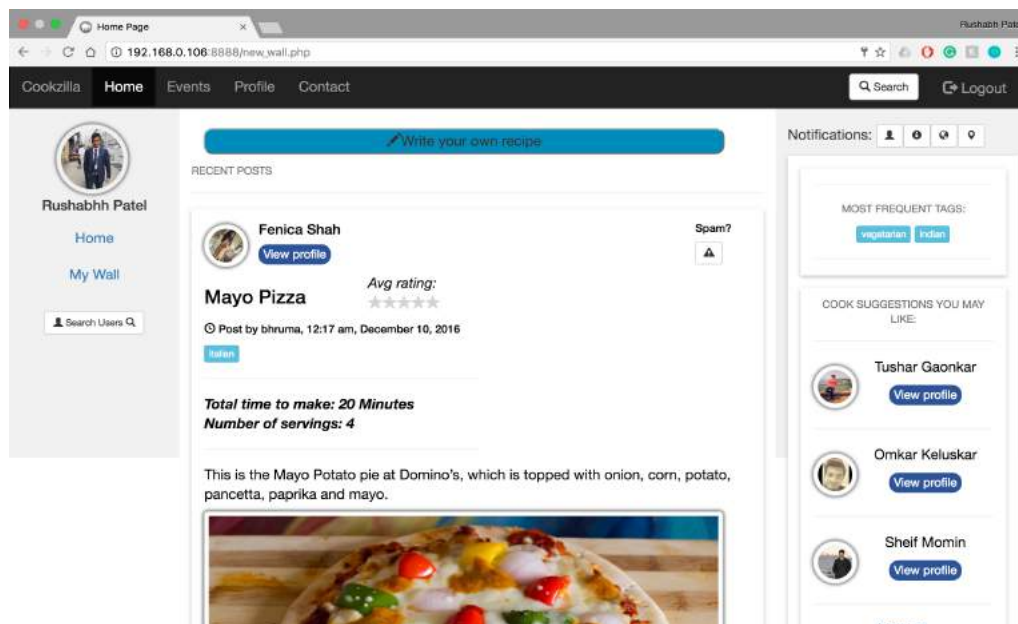
if($resultSet->num_rows>0)
{
    $rem = $_POST['remember'];
    if($rem)
    {
        session_start();
        $_SESSION['remember']=$rem;
        $_SESSION['username']=$username;
        $_SESSION['password']=$password;
        header("Location: new_wall.php");
    }
}
else
{
    $dErr = "  "<font size='3' color='red'> *Warning: Incorrect username & password</font>";
}
}
```

## HOME PAGE:

If the user is new, then his login page will look somewhat like this. He won't be able to see any post since he is not following any user. Also, the profile picture is set to default icon since the user has not yet uploaded any profile pic. Also, if the user delete the profile picture then also this default picture is set.



If the user is old user, then his home page would appear like this, where he can only see the post of those users whom he follows (explained in later parts)(will also explain each and every part of this wall in later pages)

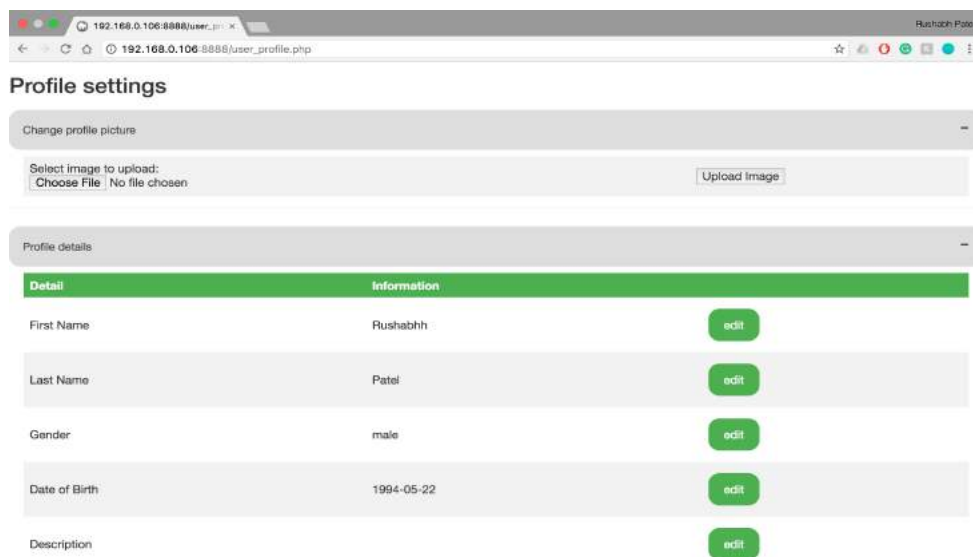


## USER PROFILE:

This is user's profile where he can see his profile details which he provided at the time of registration and also edit them.




- User can change/ the profile picture by “Change profile picture” option provided.
- User can edit or change its information by clicking the edit button.




For example, we want to change the profile picture of the above logged in user.

BEFORE:

	<p>Name: Rushabh Patel</p> <p>Gender: male</p> <p>Date of birth: May 22, 1994</p> <p>Zip: 112</p> <p>City: Journal Square</p> <p>State: New Jersey</p> <p>Country: USA</p> <p>Description:</p>
---	--

AFTER:

	<p>Name: Rushabh Patel</p> <p>Gender: male</p> <p>Date of birth: May 22, 1994</p> <p>Zip: 112</p> <p>City: Journal Square</p> <p>State: New Jersey</p> <p>Country: USA</p> <p>Description:</p>
--	--

/\* This image uploading remain same through \*/

CODE:

Instead of BLOB we used file systems to store images


```
//Insert image
$target_dir = "/Applications/MAMP/htdocs/";
$target_file = $target_dir . basename($_FILES["fileToUpload"]["name"]);

$sql = "UPDATE registration SET path='$target_file' WHERE username='$username'";
if(mysqli_query($mysqli, $sql)){
    //echo "Records added successfully.";
} else{
    echo "ERROR: Could not able to execute";
}
}
```



Suppose user wants to change his name:

BEFORE:



The left screenshot shows a 'Profile details' page with a table containing the following information:

Detail	Information	
First Name	Rushabh	edit
Last Name	Patel	edit
Gender	male	edit
Date of Birth	1994-05-22	edit

The right screenshot shows the same page with a modal dialog open. The dialog has the title 'Set your new first name' and a text input field containing 'Kartik'. A green 'Confirm' button is at the bottom of the dialog.

AFTER:



The screenshot shows the 'Profile details' page with the following information:

Detail	Information	
First Name	Kartik	edit
Last Name	Patel	edit
Gender	male	edit
Date of Birth	1994-05-22	edit

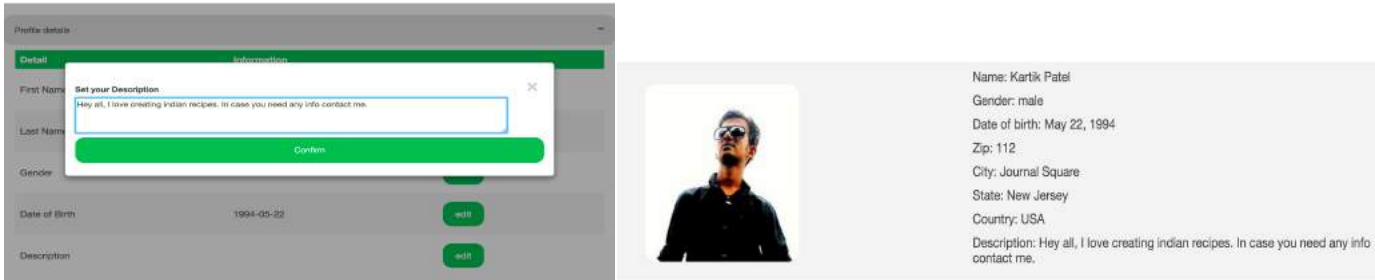
**[\*NOTE: we changed the name from Rushabh to Kartik. Now it will carry this name through. The username irushabhpattel remains the same\*]**

CODE:

```
if(isset($_POST['submit1']))
{
    $search = $mysqli->real_escape_string($_POST['fname']);
    $sql = "UPDATE registration SET first_name='$search' WHERE username='$username'";

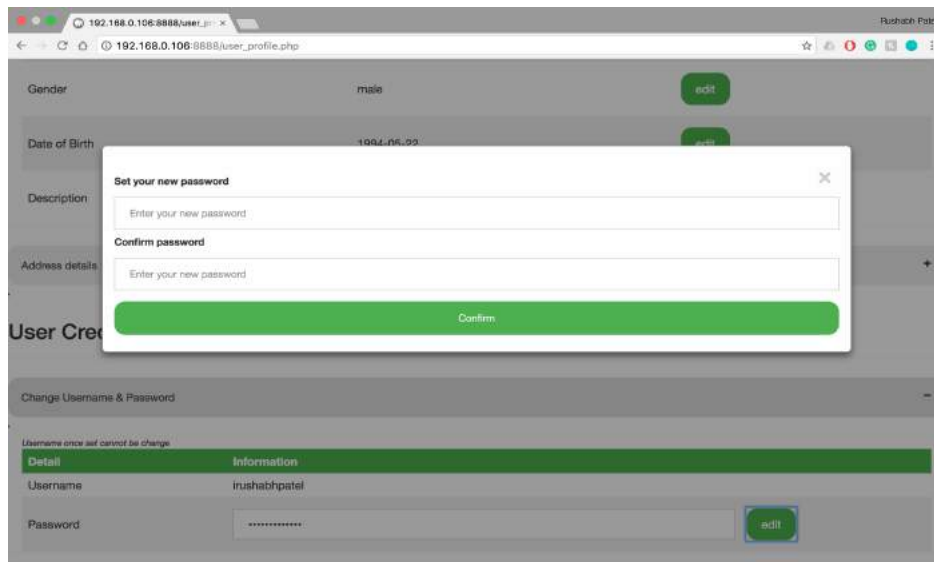
    if(mysqli_query($mysqli, $sql)){
        $message = "First name updated successfully";
    } else
    {
        $message = "ERROR: Could not able to execute";
    }
    echo '<script type="text/javascript">location.reload();</script>';
}
```

Oops! The description for the above profile is not set. No problem. Let's set it.



The screenshot shows a user profile page for 'Kartik Patel'. A modal window titled 'Set your Description' is open, displaying a text input field with the placeholder text 'Hey all, I love creating Indian recipes. In case you need any info contact me.' and a green 'Confirm' button. The background profile card shows the user's name, gender (male), date of birth (May 22, 1994), zip (112), city (Journal Square), state (New Jersey), country (USA), and a description field that is currently empty.

Suppose you want to change your password. Click on edit a pop up window will appear and you need to enter new password. In case of password change the user account will be logged out and he has to login again, because the sessions need to be reset. Also, if both the password doesn't match then UPDATE query won't get executed.



The screenshot shows a user profile page for 'Rushabh Patel'. A modal window titled 'Set your new password' is open, displaying two text input fields: 'Enter your new password' and 'Confirm password', followed by a green 'Confirm' button. The background profile card shows the user's gender (male), date of birth (1994-05-22), and a section for 'Change Username & Password' with fields for 'Username' (rushabpatel) and 'Password' (masked with asterisks), each with an 'edit' button.

CODE:

```
//Password submission

if(isset($_POST['submit12']))
{
$search = $mysqli->real_escape_string($_POST['password']);
echo $search;
$search = $mysqli->real_escape_string($_POST['cpassword']);
echo $search;
if($search==$search) {
$sql = "UPDATE login SET password='$search' WHERE username='$username'";

if(mysqli_query($mysqli, $sql)){
    echo "<script>alert('Password change successful. Please logout the system to reflect the
changes.');
```



```

echo "<script>alert('Make sure your password and confirm password matches');</script>";
}
}
}
}

```

After submission, the database:

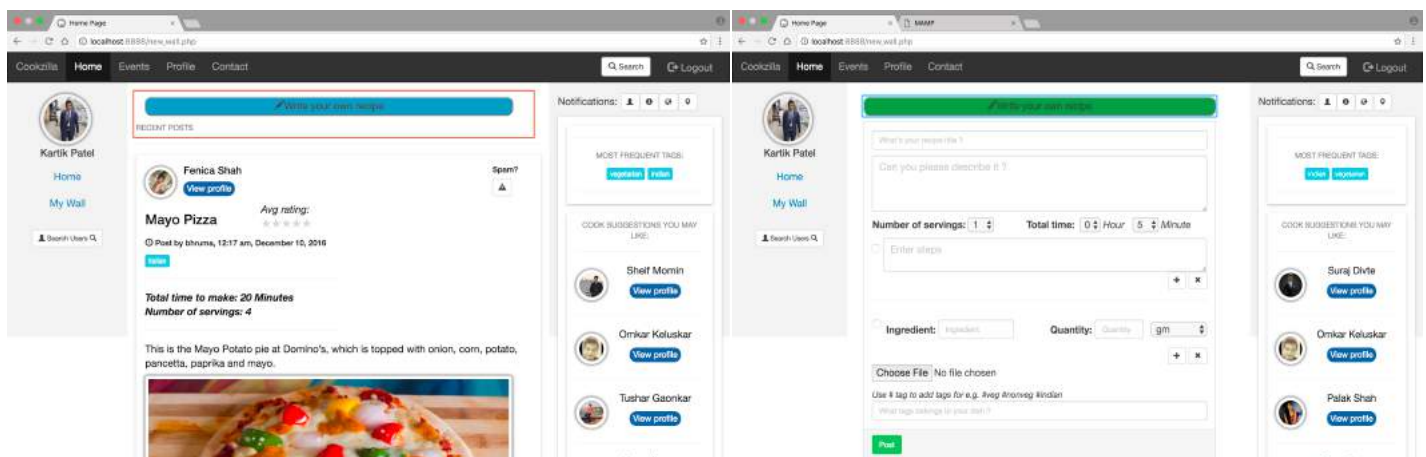
Server: localhost » Database: cookzilla » Table: registration

path	first_name	last_name	gender	date_of_birth	zip	city	country	state	discription
/default.png	Abhinav	Bohra	male	1995-01-26	400101	Mumbai	India	Maharashtra	Love Cooking
/default.png			male	1970-01-01	0				
/13613171_101550375095845...	Aashna	Shah	female	1994-11-15	400101	Mumbai	India	Maharashtra	
/contactphoto.jpg	Fenica	Shah	male	1994-02-06	400097	Mumbai	India	Maharashtra	
/default.png	Nick	Dave	male	1994-12-08	400068	Mumbai	India	Maharashtra	Hello!! I love cooking recipes.
/default.png			male	1970-01-01	0				
/10917118_102022860886335...	Drumil	Bakhai	male	1994-11-06	40008	Matunga	India	Maharashtra	I am great at cooking
/10686647_791664377558070...	Kartik	Patel	male	1994-05-22	112	Journal Square	USA	New Jersey	Hey all, I love creating indian recipes. In case y...
/10922456_865867440131168...	Omkar	Keluskar	male	2016-03-15	400065	Mumbai	India	Maharashtra	Hi all, I love indian food.
/10342953_102063044009986...	Palak	Shah	female	1994-10-05	400097	Mumbai	India	Maharashtra	

## POSTING A RECIPE:

For user convenience we have hide our recipe posting box. If the user need to post anything he can unhide it by clicking on “Write your own recipe” like this:

## BEFORE & AFTER:



If the user wishes, he can add as many as steps he wants by clicking on “+” button. And if he accidentally open extra steps then he can use the radio button (on the left of steps) and the press “X” to delete it (same for ingredients).

The user can fill the forms as per details required and upload the image of his recipe and finally at the end user can add his interested TAGS.

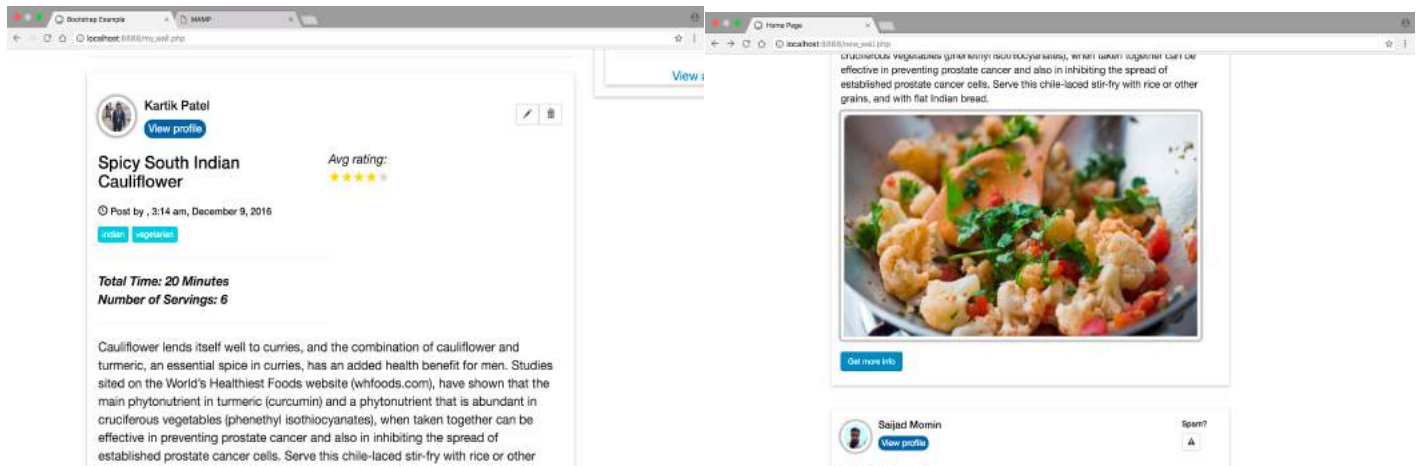
(We have validated this form. If the user wants to post anything he has to mandatorily fill the title, summary part at least)

User can post recipe on the website.

The screenshot shows a web browser window with the URL `localhost:8888/new_recipe.php`. The page is titled "Home Page". On the left, there is a sidebar for "Kartik Patel" with links to "Home" and "My Wall", and a "Search Users" input field. The main content area is for posting a new recipe, titled "Spicy South Indian Cauliflower". It includes a text area for the recipe description, a "Number of servings" field set to 6, and a "Total time" field set to 0 hours and 20 minutes. Below these are two ingredient lists: "large cauliflower" (quantity 1 ounce) and "canola or peanut oil" (quantity 5 ounces). There is a "Choose File" button for an image, with a placeholder "Screen Shot ...5:09 PM.png". At the bottom, there is a "Use # tag to add tags for e.g. #veg #nonveg #indian" field with the tags "#indian #vegetarian". On the right side, there is a "MOST FREQUENT TAGS" section with buttons for "vegetarian" and "indian", and a "COOK SUGGESTIONS YOU MAY LIKE" section with three user profiles: "Sheif Momin", "Omikar Keluskar", and "Tushar Gaonkar", each with a "View profile" button.

AFTER SUCCESSFUL POST:

This is what our full post looks like

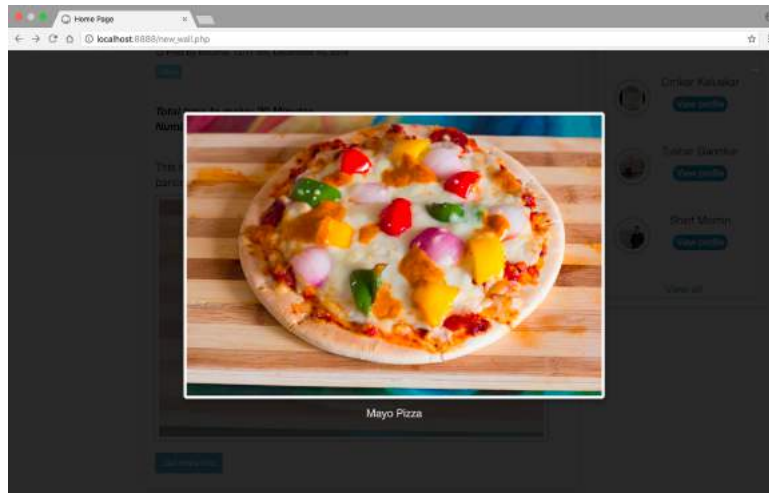


This post includes: title, average rating, time at which it was posted, total time to make, number of servings, summary & image.

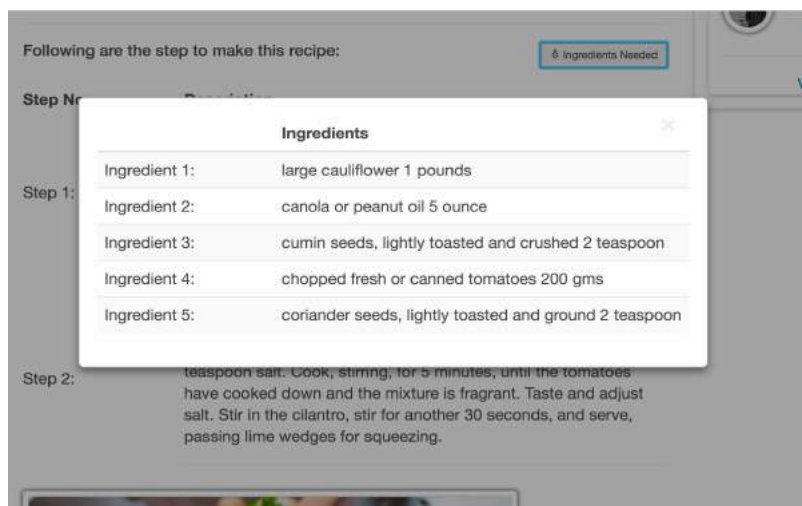
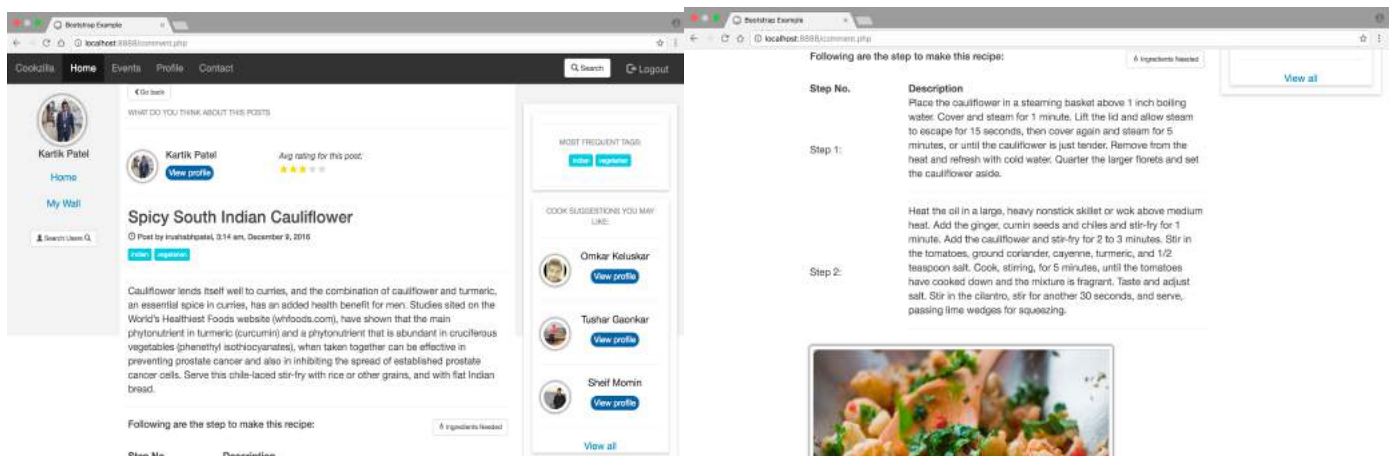
Now we can see the steps, ingredients, reviews and a lot many other details. For that we need to click on “**Get more info**”

Also, if the user wishes he can view the person posted who posted this post. We have added view profile feature at number of pages. (Target user profile clicked is explained later)

If the user wishes he can expand the image:



Once we clicked on “Get more info” following page appears where entire details is mentioned:



Here the user will get the entire information of the post. Including steps and to get ingredients user needs to click on “Ingredients Needed button” a popup screen will appear.

After submission, entry of the recipe is made onto the database:

Server: localhost - Database: cookzilla - Table: recipe									
Browse	Structure	SQL	Search	Insert	Export	Import	Privileges	Operations	Triggers
recipe_id	recipe_username	recipe_title	no_of_servings	recipe_time	description	recipe_image			
183	shetmomin	Welcome to Cookzilla	1	5	Hi Guys, this is the admin of cookzilla. Here you ...	NULL	2016-12-0		
184	omkarveluskar	Chicken Briyani	5	200	Learn how to make chicken briyani in a dum style W...	/Applications/MAMP/htdocs/Chicken-Briyani1.jpg	2016-12-0		
185	irushabhpatel	Spicy South Indian Cauliflower	6	20	Cauliflower lends itself well to curries, and the ...	/Applications/MAMP/htdocs/caloum-article1Large.png	2016-12-0		
190	irushabhpatel	Indian-Style Rice Salad	1	5	In most cases, rice salads can be dressed not only...	/Applications/MAMP/htdocs/rice.png	2016-12-0		

The entries are made to the following table as per explained in the schema above.

CODE:

```
//To correctly place the recipe id in each of the table
while($rows = $resultSet5->fetch_assoc())
{
    $recipeid = $rows['max'];
    $add= $recipeid+1;
}

//Insert in recipe
$sql = "INSERT INTO recipe (recipe_username, recipe_title, description, recipe_image, recipe_time,
no_of_servings) VALUES ('$username','$title','$description', '$target_file', '$inm', '$servings')";

//Insert into steps
$itemCount = count($_POST["r_steps"]);
$itemValues=0;
$query = "INSERT INTO steps (recipe_id, ";
$queryValue1 = "";
$queryValue2 = ") VALUES ($add,";
for($i=0;$i<$itemCount;$i++) {
    if(!empty($_POST["r_steps"][$i])){
        $itemValues++;
        if($queryValue1!="") {
            $queryValue1 .= ",";
        }
    }
}
```

```

        if($queryValue1!="") {
            $queryValue1 .= ",";
        }
        $tmp = $i + 1;
        $queryValue1 .= "step".$tmp;
        $queryValue .= " ";
        $queryValue .= $_POST['r_steps'][$i];
        $queryValue .= "";
    }
}

$sql = $query.$queryValue1.$queryValue2.$queryValue;
$sql .= ")";

if (mysqli_query($mysqli, $sql)) {
//echo "New record created successfully";
} else {
//echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}

//Insert into ingredients

$itemCount1 = count($_POST["ing"]);
$itemV=0;
$q = "INSERT INTO ingredients (recipe_id,";
$queryV1 = "";
$queryV2 = ") VALUES ($add,";
for($i=0;$i<$itemCount1;$i++) {
    if(!empty($_POST["ing"][$i])){
        $itemV++;
        if($queryV!="") {
            $queryV .= ",";
        }
        if($queryV1!="") {
            $queryV1 .= ",";
        }
        $tmp1 = $i + 1;
        $queryV1 .= "ing".$tmp1;
        $queryV .= " ";
        $fullquan = $_POST['ing'][$i]. " " . $_POST['quan'][$i] . " " .
$_POST['units'][$i];
        $queryV .= $fullquan;
        $queryV .= "";
    }
}

$sql1 = $q.$queryV1.$queryV2.$queryV;
$sql1 .= ")";

//echo $sql1;

```



```

    if (mysqli_query($mysqli, $sql)) {
        //echo "New record created successfully";
    } else {
        echo "Error: " . $sql . "<br>" . mysqli_error($mysqli);
    }
}

```

## USER COMMENT/REVIEW:

A user can review the recipe.

The image shows two browser windows displaying a web form for user comments. The left window shows the form with empty input fields for 'What is the title?', 'What's your review?', and 'Would you like to give any suggestion?'. It also includes a file upload section with a 'Choose File' button and a star rating section with five empty stars. The right window shows the form filled out with a title 'Cauliflower Dish', a review 'Hey, I tried this recipe yesterday and I followed', a suggestion 'Next time use rice I used it and it was very tasty.', and a star rating of 4 stars. A 'Submit' button is visible at the bottom of the form in both windows.

There is a title, review, suggestion, you try image upload & rating sections if the user wish to comment & review the recipe. Here, the just the title and review sections are optional.

Now the user can make the comment by clicking on submit button. His comment details along with the time posted will appear on the comment wall.

Also, there is comment count at the top of the comment wall.

**DELETE FEATURE:** The user can delete his comment by the option provided on the right side.

On successful post:

The image shows a comment wall with two comments. The first comment is from 'irushabpatel' posted at 12:27 am on December 15, 2016. It has a title 'Thankyou', a review 'Hey sheif, thank-you for you review.', and a delete button. The second comment is from 'sheifmomin' posted at 1:48 am on December 15, 2016. It has a title 'Cauliflower Dish', a review 'Hey, I tried this recipe yesterday and I followed', a suggestion 'Next time use rice I used it and it was very tasty.', and a delete button. A small image of the cauliflower dish is shown below the second comment.

## Database Entry:

Server: localhost » Database: cookzilla » Table: reviewers

r_id	r_username	r_recipe_id	r_title	review	rating	suggestions	r_image
74	aashna	169	Wow	This is awesome	5		NULL
75	goback	169	Good	Awesome	2		NULL
76	omkarkeluskar	172	Made it.	Overall it was very good. I made it for 4 people.	3	It was bit spice. Add little less lal mirch.	/Applications/MAMP/htdocs/malabari_chicken_biryan...
77	sheilmomin	184	Spice	Hi omkar, I tried this recipe and it was great. Bu	4	Just add little less lal mirch. I have attached my...	/Applications/MAMP/htdocs/malabari_chicken_biryan...
79	sheilmomin	185	Cauliflower Dish	Hey, I tried this recipe yesterday and I followed	4	Next time use rice I used it and it was very tasty...	/Applications/MAMP/htdocs/Screen-shot-2013-06-17-a...
80	sheilmomin	191	Fantastic egg recipe	It was damnnn tasty and yummy.	5		NULL
81	omkarkeluskar	193	Need Improvement	overall good	4	If you make it little spicier it will taste good.	NULL

## CODE:

```
//To Post
$sql = "INSERT INTO reviewers (r_username, r_recipe_id, r_title, review, suggestions, r_image, rating)
VALUES ('$username','$rid','$title', '$review', '$suggestion', '$target_file', '$rating')";

//To Display
$resultSet2 = $mysqli->query("SELECT r_id, path, r_username, EXTRACT(year FROM c_time) as year,
EXTRACT(month FROM c_time) as month, EXTRACT(day FROM c_time) as day, time(c_time) AS time1,
r_title, review, suggestions, rating, r_image FROM reviewers, registration WHERE
registration.username=reviewers.r_username AND r_recipe_id='$rid' ORDER BY c_time DESC");
```

## AVERAGE RATING:

The user's recipe post is available at number of places on our where we have displayed the average rating.



**Kartik Patel**

[View profile](#)

Avg rating for this post:



## Code logic:

The logic we used for the average rating is, we calculated the sum of the rating for particular recipe id and counted the number of comments for that recipe. And we divided sum/count and we rounded off the value.

CODE: //For average rating

```
<?php

$resultS1 = $mysqli->query("SELECT sum(rating) as sum FROM reviewers WHERE
r_recipe_id='$recipe_id'");

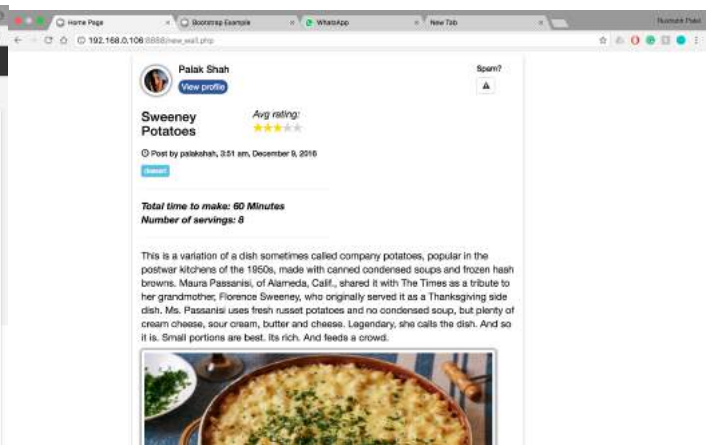
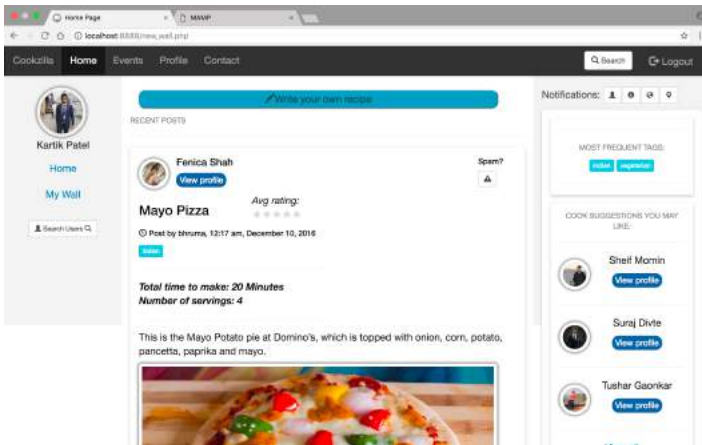
while($rows = $resultS1->fetch_assoc())
{
    $rate12=$rows['sum'];
}

$resultS2 = $mysqli->query("SELECT count(r_id) as count FROM reviewers WHERE
r_recipe_id='$recipe_id'");

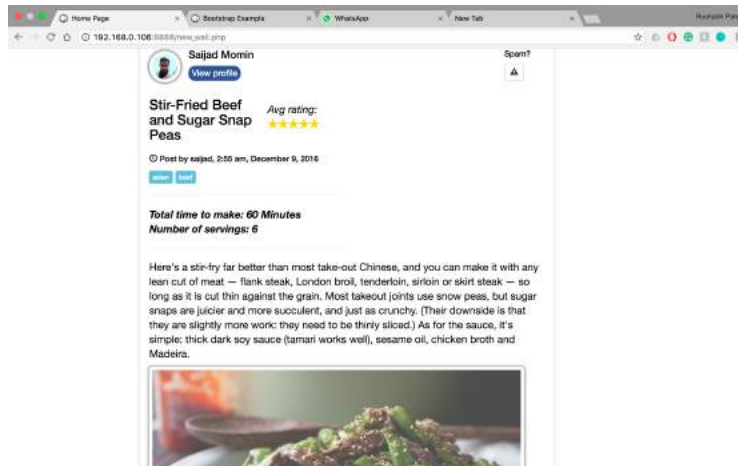
while($rows = $resultS2->fetch_assoc())
{
    $count1=$rows['count'];
}
    $avg = $rate12/$count1;
    $a_rating=round($avg);
}?>
```

## COOKZILLA WALL:

Recipes of all the users whom the use is following are displayed here. Other extra features will be explained later.







- The user can see the post of the user who he follow and the priority is given to the post posted latest (like Facebook).

## CODE:

```
$username = $_SESSION['username'];
```

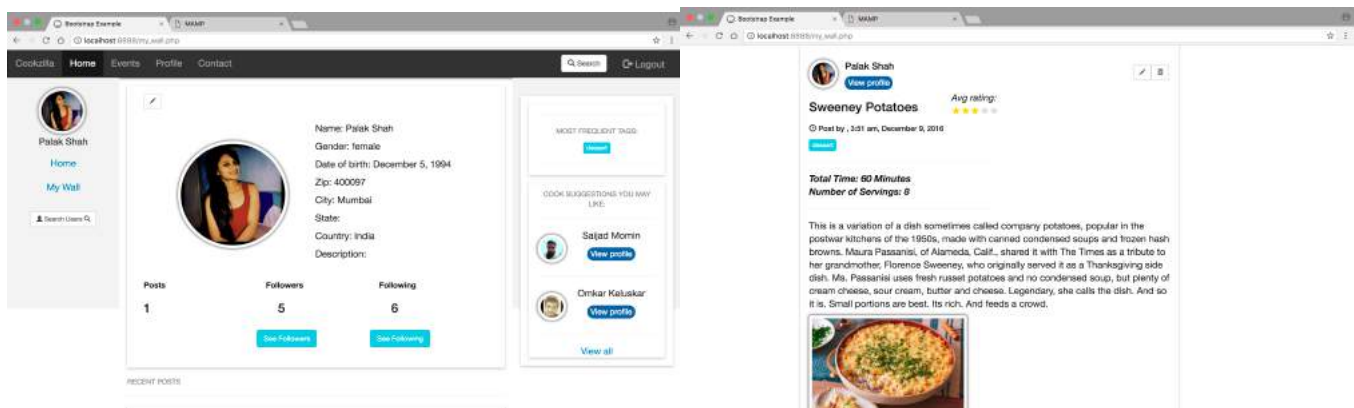
//We used this query wisely so that only the person whom we are following appears on the wall including I

```
$resultSet1 = $mysqli->query("SELECT first_name, last_name, recipe_image, recipe_id, path,
EXTRACT(year FROM time) as year, EXTRACT(month FROM time) as month, EXTRACT(day FROM
time) as day, time(time) AS time1, recipe_username, recipe_title, description, recipe_time, no_of_servings
FROM recipe, registration, following WHERE registration.username=recipe.recipe_username AND
following.username=recipe.recipe_username AND following.following_name='$username' ORDER BY time
DESC");
```

## MY WALL:

My wall options appear at the left side all the time. My wall has following features:

- User's profile details
- All the posts he made
- Delete and post edit option from the button options at the right.
- He/she can view his followers and followings (Explained later)



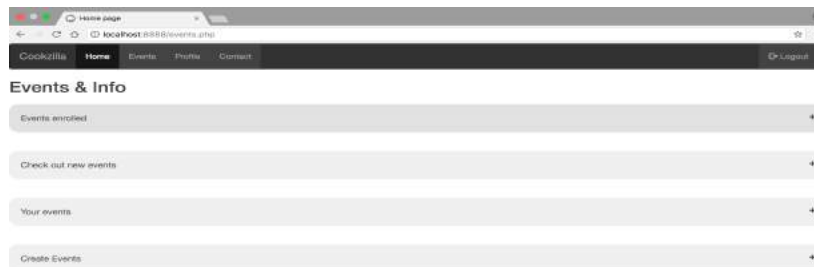
## CODE:

```
$username = $_SESSION['username'];
```

```
$resultSet1 = $mysqli->query("SELECT first_name, last_name, no_of_servings, recipe_id, recipe_image, path, EXTRACT(year FROM time) as year, EXTRACT(month FROM time) as month, EXTRACT(day FROM time) as day, time(time) AS time1, recipe_username, recipe_title, description, recipe_time FROM recipe, registration WHERE registration.username=recipe.recipe_username AND username='$username' ORDER BY time DESC");
```

## EVENTS:

This is our events pages. Let's explore this:



### a. Check out new events:

The user can click on “Check out new events tab” and look for the events i.e All the events happening nearby will be displayed to the user.

[NOTE: The events get automatically deleted as soon as the date expires]

The user can get more details about the event by clicking on “More details” option a popup will appear shown in figure (b).

User has the option to RSVP from all the sides.

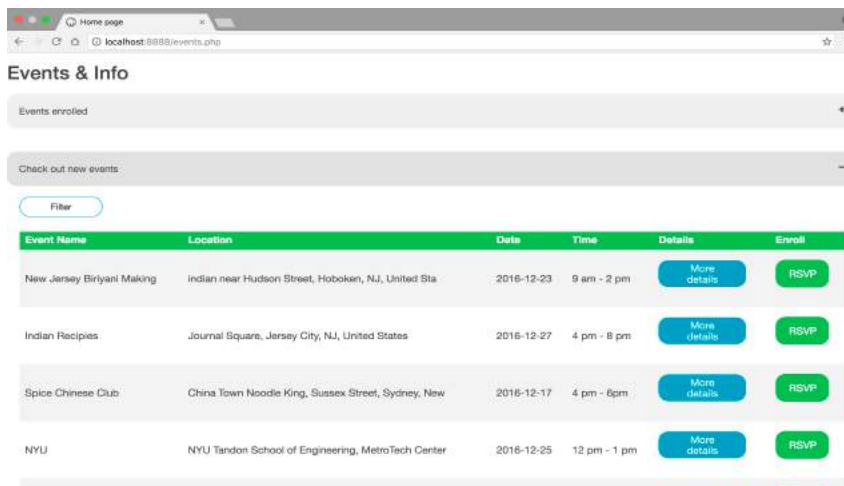


Fig (a)

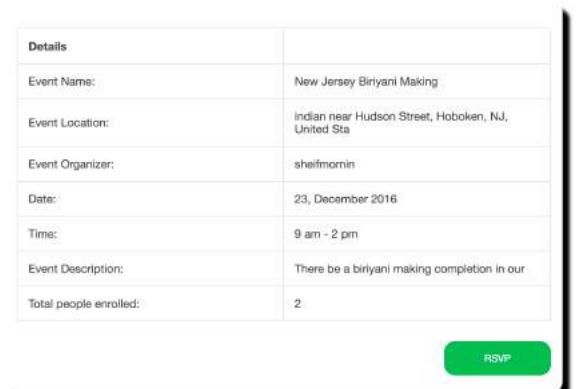
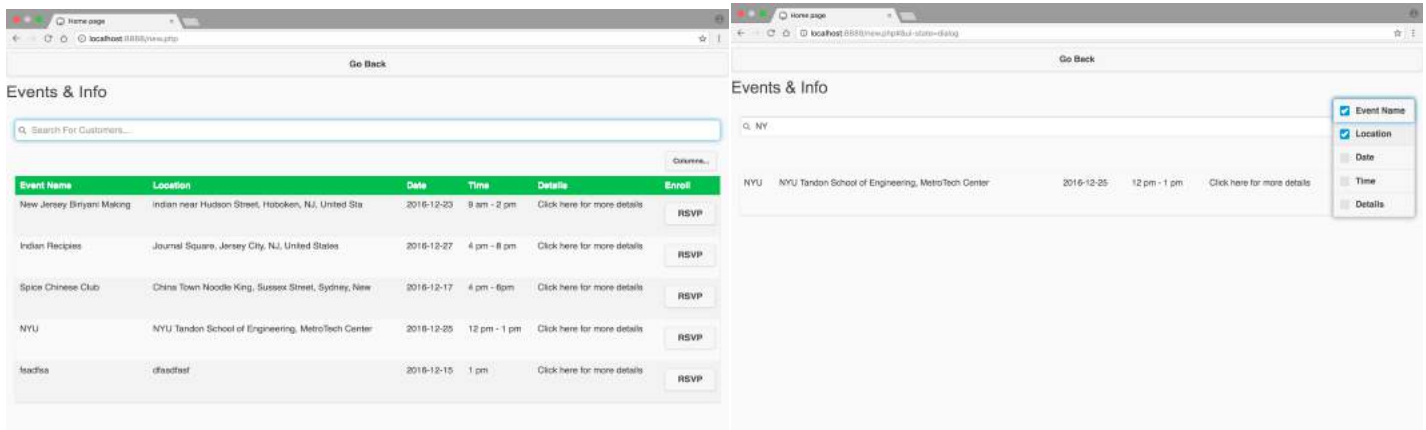


Fig (b)

There can be a lot many events and therefore we added two things for user convenience. i.e. Filter and Scroll.

Filter to find the events according to your likes:



BEFORE SEARCH

AFTER SEARCH

In case failure:



CODE:

```
// Show new Events

$new_events = $mysqli->query("SELECT event_id, event_name, event_location, date, time FROM
events;");

// To RSVP for the event
$sql = "INSERT INTO rsvp (username, event_id) VALUES ('$event_organizer', '$eid')";

//Delete out of date events

$result6 = $mysqli->query("SELECT event_id FROM events WHERE Date<CURDATE()");

while($rows = $result6->fetch_assoc())
{
    $print = $rows['event_id'];

    $sql6 = "DELETE FROM events WHERE event_id=$print";

    if(mysqli_query($mysqli, $sql6)) {
        //echo "Record deleted successfully":
    }
}
```

```

} else {
    echo "Error deleting record";
}
}

```

## b. Your events:

- Your events allow the user to see the events for which they RSVP for.
- User is not allow to RSVP more than 5 events.
- User gets automatically RSVP if he creates the event

Cookzilla	Home	Events	Profile	Contact	Logout
-----------	------	--------	---------	---------	--------

### Events & Info

Events enrolled -

Event Name	Location	Date	Time	Details & Updates	Delete
New Jersey Biryani Making	Indian near Hudson Street, Hoboken, NJ, United Sta	2016-12-23	9 am - 2 pm	<a href="#">Click Here</a>	<a href="#">Undo Enrollment</a>
Spice Chinese Club	China Town Noodle King, Sussex Street, Sydney, New	2016-12-17	4 pm - 6pm	<a href="#">Click Here</a>	<a href="#">Undo Enrollment</a>
Harrison festival	Saddle Brook, NJ, United States	2016-12-15	1 pm - 3 pm	<a href="#">Click Here</a>	

Check out new events +

- The user can undo the events if he changes his mind
  - The Harrison Festival event is created by the same user so he is not allowed to Undo Enrollment.
- Let's undo Spice Chinese Club:

Events & Info					
Events enrolled -					
Event Name	Location	Date	Time	Details & Updates	Delete
New Jersey Biryani Making	Indian near Hudson Street, Hoboken, NJ, United Sta	2016-12-23	9 am - 2 pm	<a href="#">Click Here</a>	<a href="#">Undo Enrollment</a>
Harrison festival	Saddle Brook, NJ, United States	2016-12-15	1 pm - 3 pm	<a href="#">Click Here</a>	

Check out new events +

## CODE:

```
//Show this users enrolled events
```

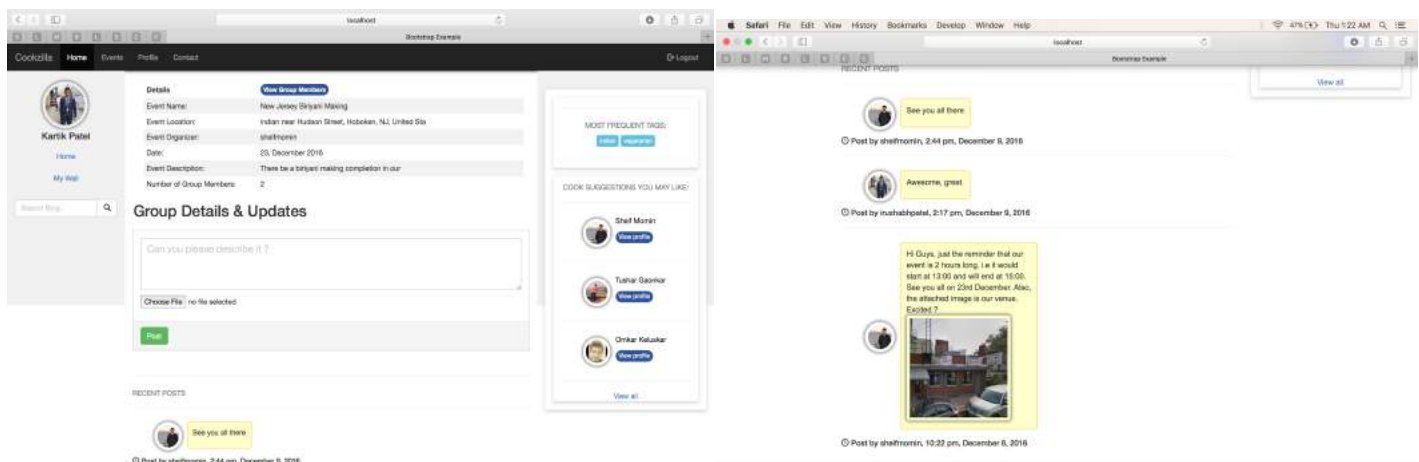
```
$enroll_events = $mysqli->query("SELECT event_organizer, event_name, event_location, rsvp.event_id,
date, time FROM events, rsvp, registration WHERE events.event_id=rsvp.event_id AND
registration.username=rsvp.username AND rsvp.username='$event_organizer'");
```

```
//Undo Enrollments
```

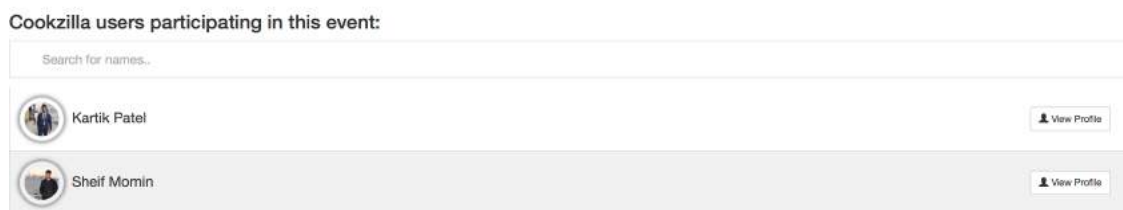
```
if(isset($_POST['submit3']))
{
```

```
$sql8 = "DELETE FROM rsvp WHERE event_id={$_POST['submit3']}";
if(mysqli_query($mysqli, $sql8)) {
    echo "<script>alert('Successful');</script>";
} else {
    echo "<script>alert('Unsuccessful');</script>";
}
}
```

We can get the more information about the event by clicking on “Click Here” option. On clicking “Click Here” we will be redirected to the following page.



We can check the information about the event we enrolled. There is a chat posting wall feature provided when the user can keep the track of the events and for other information. The user himself can make the post. If the user wishes he can see the group members by clicking on “View Group Members”. The following box appears. (there is total number of users enrolled count too)



CODE:

```
//To make a post

//The corresponding values are the values taken from user
$sql = "INSERT INTO updates (event_id, username, post, ppath) VALUES ('$info','$username','$post', '$target_file')";

if(mysqli_query($mysqli, $sql)){
    echo "Records added successfully";
} else{
    echo "ERROR: Could not able to execute";
}
```

```

}

//To show posts

$resultSet1 = $mysqli->query("SELECT updates.username, post, ppath, path, EXTRACT(year FROM ptime)
as year, EXTRACT(month FROM ptime) as month, EXTRACT(day FROM ptime) as day, time(ptime) AS
time1 FROM updates, registration WHERE updates.username=registration.username AND event_id='$info'
ORDER BY ptime DESC");

```

### c. Your events:

The user can see the events he created shown in figure (a). He can delete the events if he wish shown in figure (b).

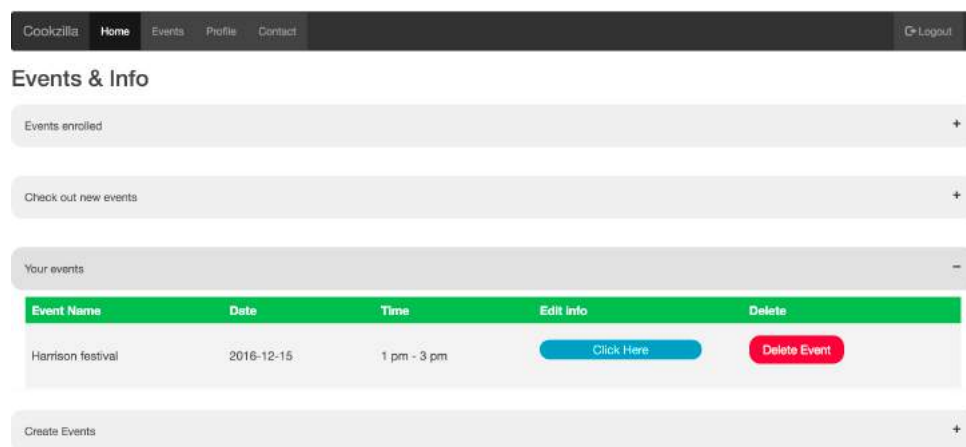


figure (a)

### View info & edit events:

#### Before edit

Details	
Event Name:	Harrison festival
Event Location:	Saddle Brook, NJ, United States
Event Organizer:	irushabhpatel
Date:	15, December 2016
time:	1 pm - 3 pm
Event Description:	
Total People Enrolled:	1
List of people enrolled:	<a href="#">View Group Members</a>

#### After edit and few RSVPs

Details	
Event Name:	Newark festival
Event Location:	Newark, NJ, United States
Event Organizer:	irushabhpatel
Date:	15, December 2016
time:	1 pm - 3 pm
Event Description:	The festival is not going to conduct at Harrison. It's new location is Newark.
Total People Enrolled:	4
List of people enrolled:	<a href="#">View Group Members</a>

## CODE:

```
//On click of edit button the information is passed here.
if(isset($_POST['info']))
{
    $_SESSION['rid'] = $_POST['info'];
}
$info = $_SESSION['rid'];

$sql = "UPDATE events SET event_name='$event_name', event_location='$event_location',
event_description='$event_description', Date='$event_date', Time='$event_time' WHERE event_id='$info'";
```

He can view the details of the event and can also edit the details if required. Additionally, he can view the total count and also can view the members RSVP for the events.

### Cookzilla users participating in this event:

Search for names..	
 Kartik Patel	<a href="#">View Profile</a>
 Omkar Keluskar	<a href="#">View Profile</a>
 Saijad Momin	<a href="#">View Profile</a>
 Sheif Momin	<a href="#">View Profile</a>

We can delete the event if needed for e.g. if we didn't get the expected response.  
Before Deleting:

Your events				
Event Name	Date	Time	Edit info	Delete
Newark festival	2016-12-15	1 pm - 3 pm	<a href="#">Click Here</a>	<a href="#">Delete Event</a>

After Deleting:

Your events				
Event Name	Date	Time	Edit info	Delete

CODE:

```
$event_organizer = $_SESSION['username'];

$enroll_events = $mysqli->query("SELECT event_organizer, event_name, event_location, rsvp.event_id,
date, time FROM events, rsvp, registration WHERE events.event_id=rsvp.event_id AND
registration.username=rsvp.username AND rsvp.username='$event_organizer'");
```

#### d. Create Events:

- The users are allowed to create new events.
- Once they create the event they automatically get RSVP
- The Create Event tabs is as follow

Create Events

Create Event

The following is the create event form filled:

Group cooking

Event Location

Map

Waverley, New South Wales, Australia

Boundary St

Clovelly

Shark Point

Bundock Park

Google Pavilion

Map data ©2016 Google - Terms of Use - Report a map error

Date

12/22/2015

Time

3 pm to 9 pm

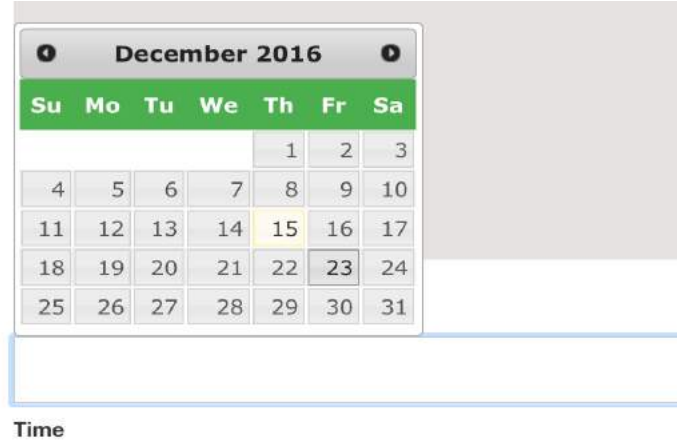
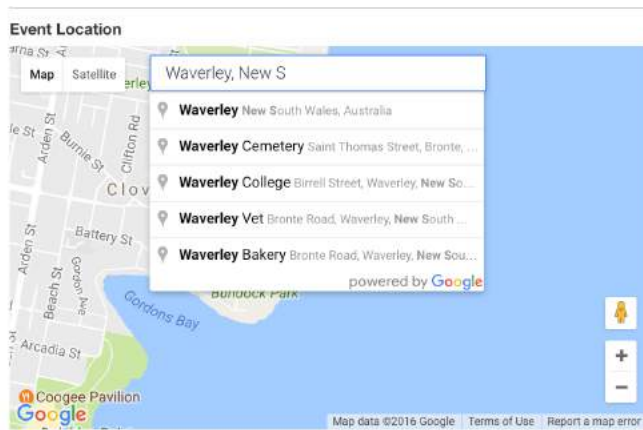
Event Description

Hey this is group cake making event. If you are interested then please RSVP to get more info.

Logout

We have use these special features for address and date:





The following places get updated.

## Your events

Your events				
Event Name	Date	Time	Edit info	Delete
Group cooking	2016-12-22	3 pm to 9 pm	<a href="#">Click Here</a>	<a href="#">Delete Event</a>

## Events enrolled

Events enrolled						
Event Name	Location	Date	Time	Details & Updates	Delete	
New Jersey Biryani Making	indian near Hudson Street, Hoboken, NJ, United Sta	2016-12-23	9 am - 2 pm	<a href="#">Click Here</a>	<a href="#">Undo Enrollment</a>	
Group cooking	Waverley, New South Wales, Australia	2016-12-22	3 pm to 9 pm	<a href="#">Click Here</a>		

## Database entries:

Server: localhost Database: cookzilla Table: events

Showing rows 0 - 12 (13 total. Query took 0.0004 seconds.)

SELECT \* FROM events

Number of rows: 25 Filter rows: Search this table Sort by key: None

event_id	event_name	event_location	event_description	event_organizer	Date	Time
65	New Jersey Biryani Making	indian near Hudson Street, Hoboken, NJ, United Sta	There be a biryani making completion in our	sheilmomin	2016-12-23	9 am - 2 pm
82	Indian Recipies	Journal Square, Jersey City, NJ, United States	The club can help you with indian recipes and tast...	palakshah	2016-12-27	4 pm - 8 pm
83	Spice Chinese Club	China Town Noodle King, Sussex Street, Sydney, New	Hey guys this event is all about chinese food. Int...	saijad	2016-12-17	4 pm - 6pm
85	NYU	NYU Tandon School of Engineering, MetroTech Center	It's awesome	sheilmomin	2016-12-25	12 pm - 1 pm
87	Group cooking	Waverley, New South Wales, Australia	Hey this is a group cake making event	irushabhpatei	2016-12-22	3 pm to 9 pm

## CODE:

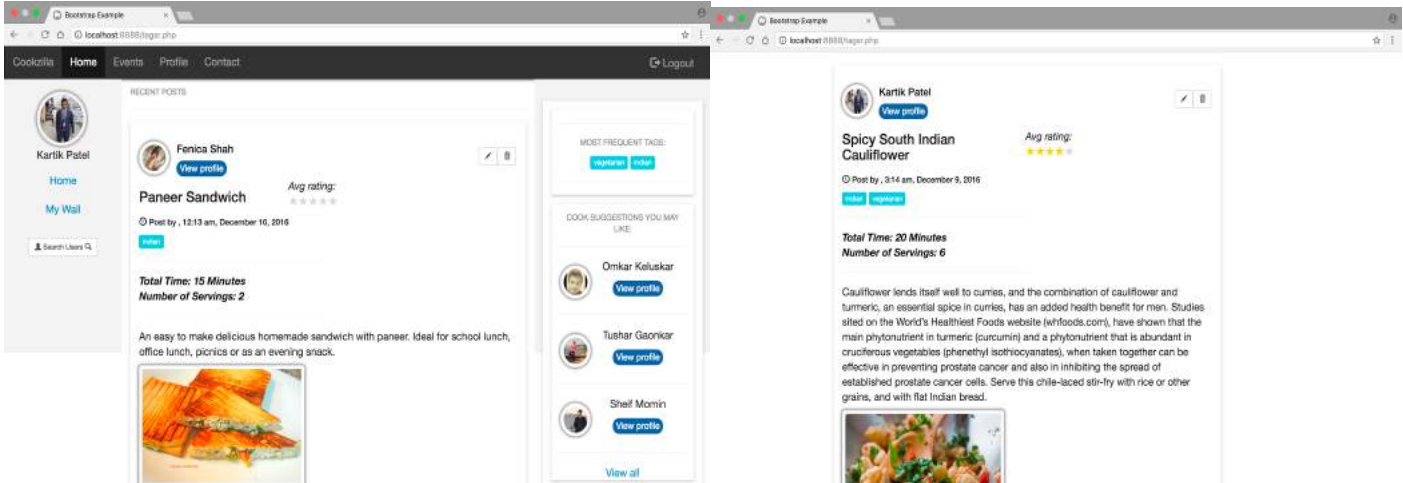
```
if($count_id<5)
{
    $sql = "INSERT INTO events VALUES ('$event_id','$event_name','$event_location','$event_description',
    '$event_organizer', '$event_date', '$event_time')";

    if(mysqli_query($mysqli, $sql)){
        echo "<script>alert('Successful');</script>";
    } else
    {
        echo "<script>alert('Unsuccessful');</script>";
    }
    echo '<script type="text/javascript">location.reload();</script>';
}
/* Event Creator's auto RSVP */
}
```

## TAGS:

We can click on tags wherever we find on the page we can click on it to find the post related to those tags.

On clicking tag name “Indian”



## CODE:

```
<form method='post' style='display: inline;' action='tagsr.php'><button type='tags' class='btn btn-info btn-xs'
name='tags' value='<?php echo $tag_name;?>'>
    <?php echo $tag_name;?></button></form>
```

//to display

```
$resultSet1 = $mysqli->query("SELECT first_name, last_name, no_of_servings, recipe.recipe_id as recipe_id, recipe_image, path, EXTRACT(year FROM time) as year, EXTRACT(month FROM time) as month, EXTRACT(day FROM time) as day, time(time) AS time1, recipe_username, recipe_title, description, recipe_time FROM recipe, registration, tags WHERE registration.username=recipe.recipe_username AND tags.recipe_id=recipe.recipe_id AND tag_name='$tags' ORDER BY time DESC");
```

LOGOUT:

It will kill all the sessions

CODE:

```
session_start();
session_destroy();
header("Location: login.php");
```

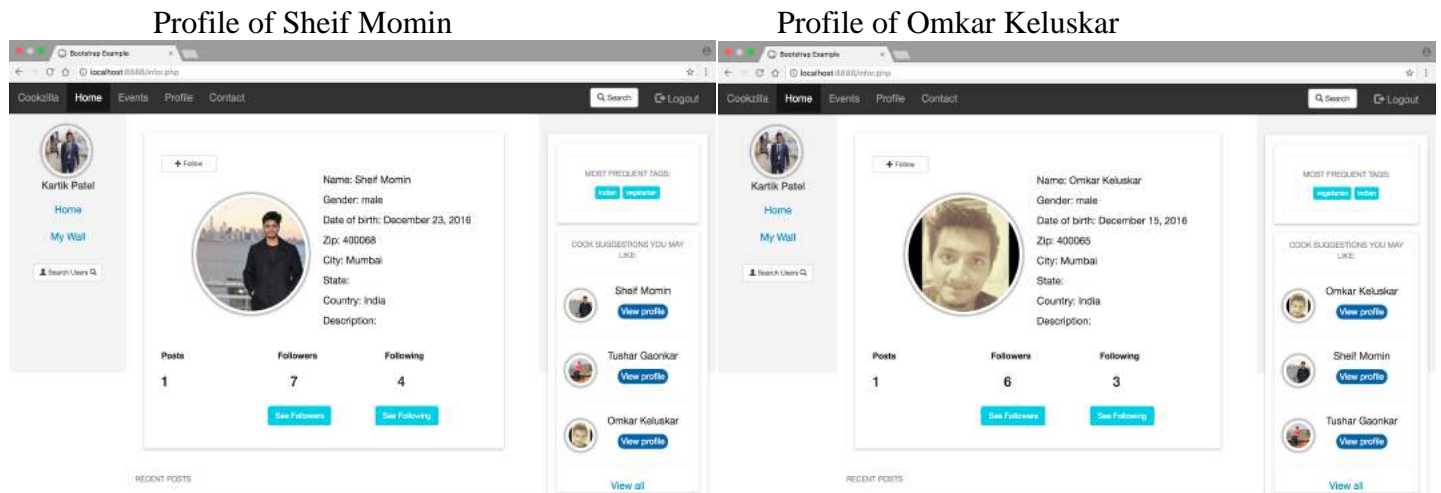
## EXTRA FEATURES:

### a. User Profile

We can view the user profile if we are interested in that particular user. The user profile includes his details, the post he/she made and the option to follow him/her (explained in next part) if we are interested.

On our site we have provided the user with flexibility to view the profile from anywhere of the website.

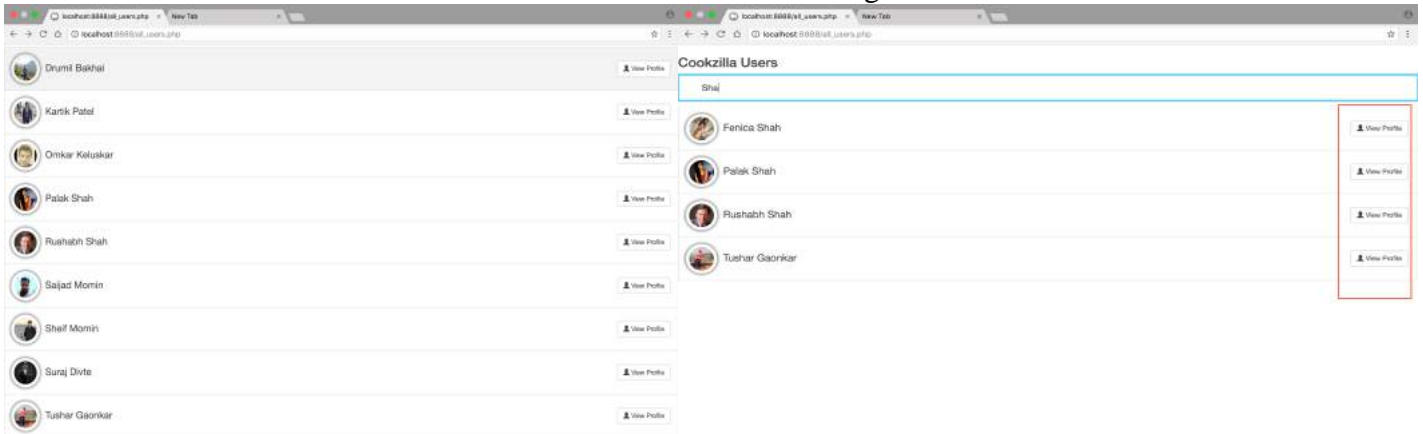
Once the user clicks on the profile of the user he can see this:



Now, the question arises that how the user will find the other users? For that we have included two features one will be explained later and the another one is search user feature on the right which is always intact irrespective at what page you are.

## All Cookzilla Users

## Looking for “Sha...”



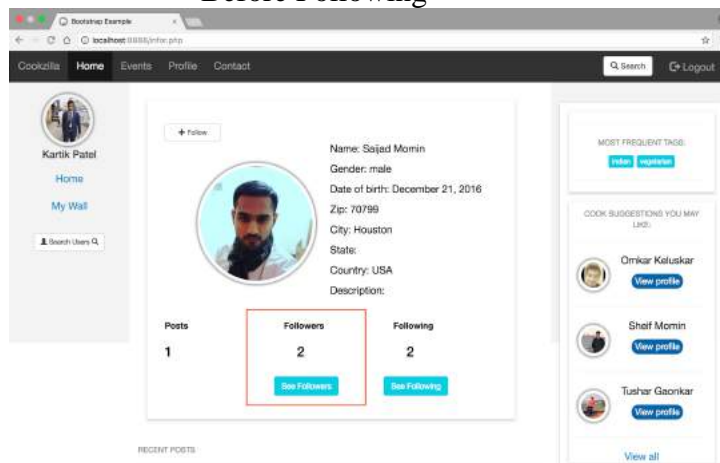
Here there is “View Profile” option available from where use can view the profile. This is just one of many places from where user can view the profile.

### b. Follows/Following:

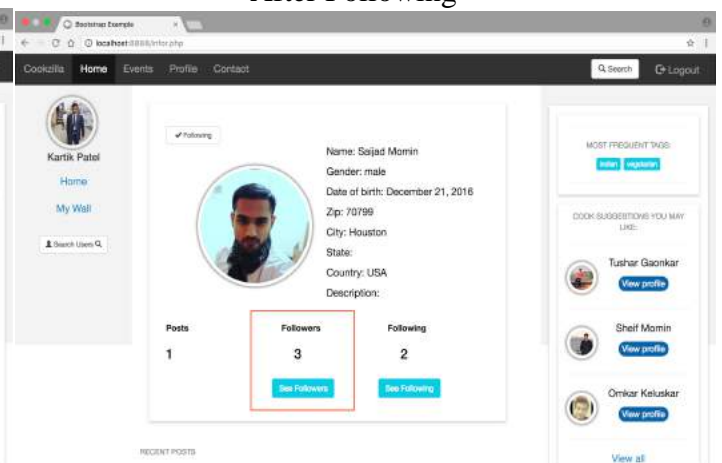
User can follow another user if he takes interest in his post. When a user follows another user, then that user’s recipe will be then available on his wall. [We implemented this feature with the intention that it would be very in convenient for the user to see everything on his wall and that too not of his liking]

Initially I am not following this user. But as soon as I click on the follow button then the followers count is increased by one.

### Before Following



### After Following



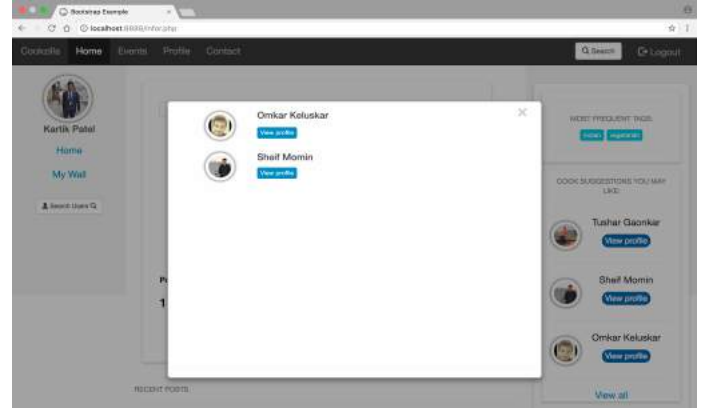
Also this user won’t be recommended any more in the feature provided at the right side.

We can view the followers and following list of that user [just like Instagram]

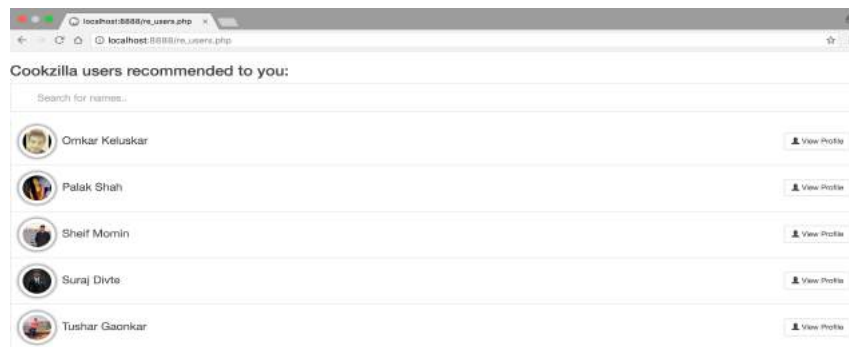
## Followers:



## Following:



[Note: We just started following this user so I am included in the followers list]



## CODE:

```
//follow
if(isset($_POST['follow']))
{
$name = $_POST['follow'];

$sql = "INSERT INTO following VALUES ('$name','$username')";

if(mysqli_query($mysqli, $sql)){
    header('Location: infor.php');
} else
{
    echo "ERROR: Could not able to execute";
}
}

//unfollow
if(isset($_POST['unfollow']))
{
$username = $_POST['unfollow'];
```

```

$sql8 = "DELETE FROM following WHERE username='$uname' AND following_name='$username'";

if(mysqli_query($mysqli, $sql8)) {
    header('Location: infor.php');
} else {
    echo "Error deleting record: ";
}
}

```

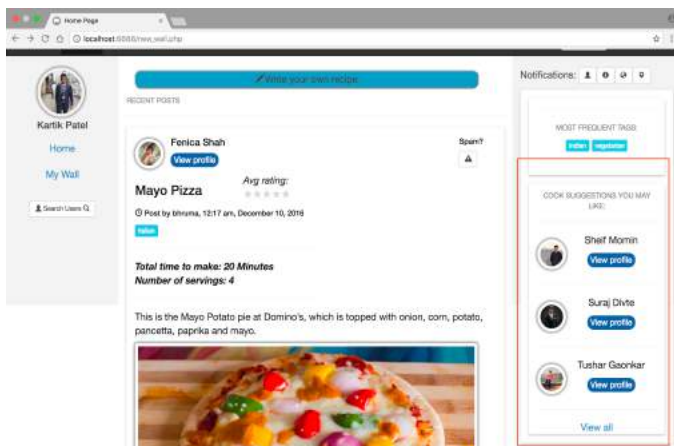
### c. Recommended Users:

The users are recommended based on the indirect followers. For e.g. if A follows B and B follows C then C will be recommended to the user A.

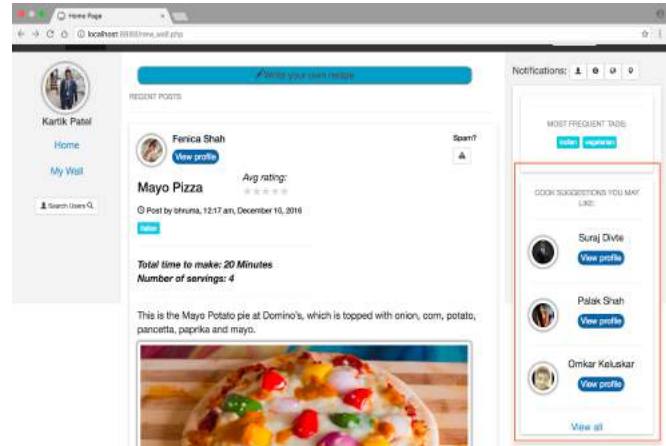
- The user recommendation is at the right side of our website.
- We have limit the recommend of users by 3
- The users keep on shuffling on every refresh
- If we wish to view all recommended user (shown in figure (b)) we can click on “view all”
- This recommendation is intact irrespective of wherever you go

(Check on the right side of the wall i.e. COOK SUGGESTIONS YOU MAY LIKE)

Refresh One



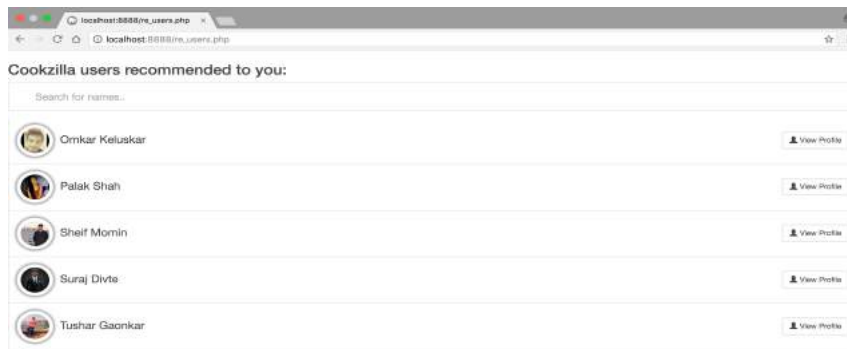
Refresh Two



The list gets shuffled on each refresh.

View all recommended users:





CODE:

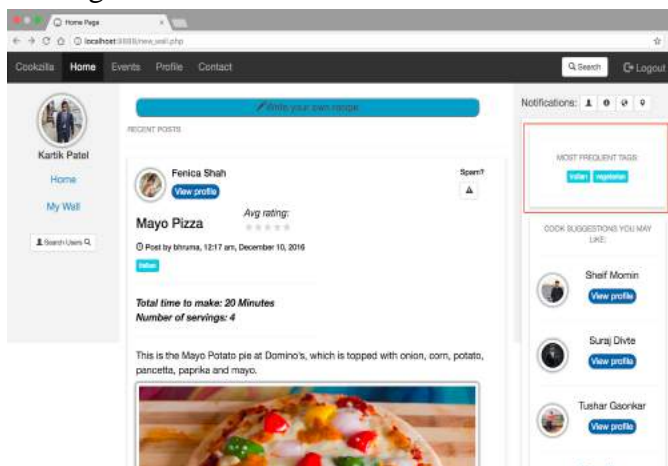
```
$resultSet2 = $mysqli->query("SELECT distinct(f2.username) as uname from following f2 where
f2.following_name in (select f1.username from following f1 where f1.following_name = '$username') and
f2.username != '$username' and f2.username not in (select f1.username from following f1 where
f1.following_name = '$username') ORDER BY RAND()
LIMIT 3");
```

#### d. Recommended Tags:

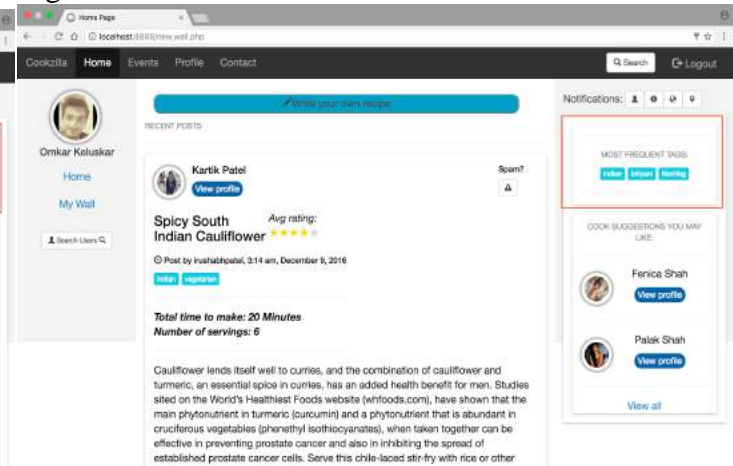
The tags are recommended to the user at the left side of the wall. The tags are commended base on the recipes the user made the post.

- Tags are recommended 8 at time and they keep on shuffling.
- The user can click on the tags to view the related recipes.

Tags recommendation for User 1



Tags recommendation for User 2

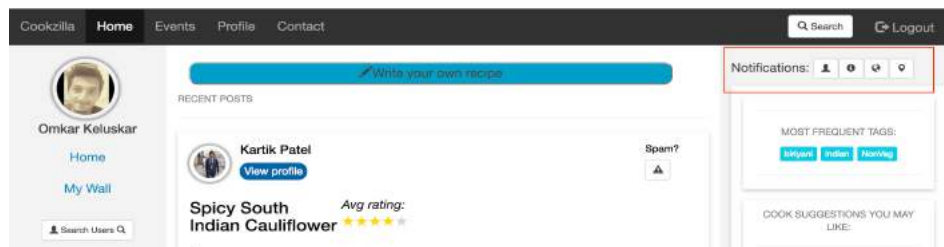


CODE:

```
$resultSet9 = $mysqli->query("select distinct(tags.tag_name) as tag_name from tags, recipe
where tags.recipe_id = recipe.recipe_id
and tags.recipe_id in (select recipe_id from recipe where recipe_username = '$username') ORDER BY
RAND() LIMIT 8");
```

## e. Notification: (Logs)

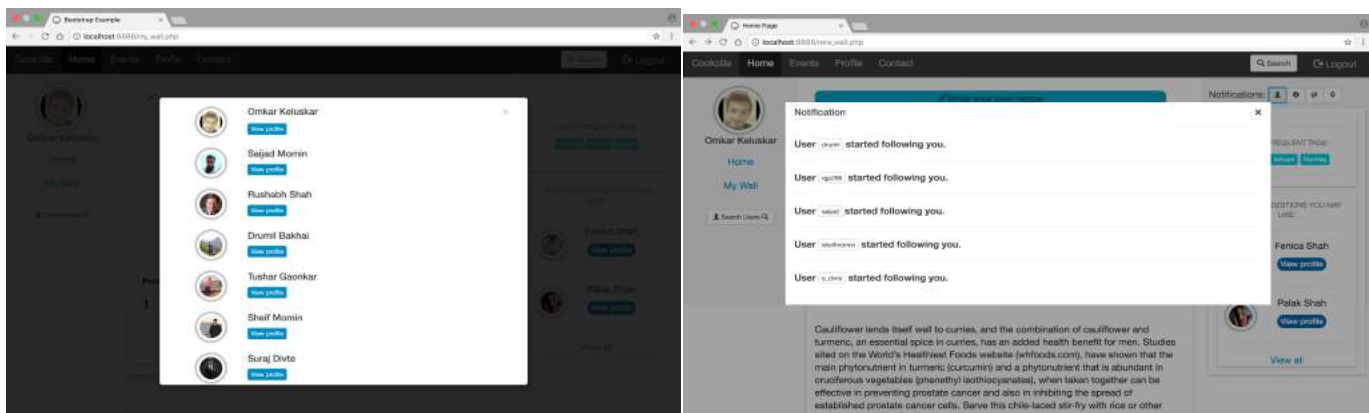
Notification notifies you all the activities done on your recipe, events or profile.  
Notification on this website are of 4 types.



When a user follows you:

If the any user follows you then the notification is given to you regarding this activity.  
Latest 5 new followers are shown.

We have included a feature in which user can click on the name to jump to his/her profile.



This are my followers

This is what I get in notification [Top 5]

CODE:

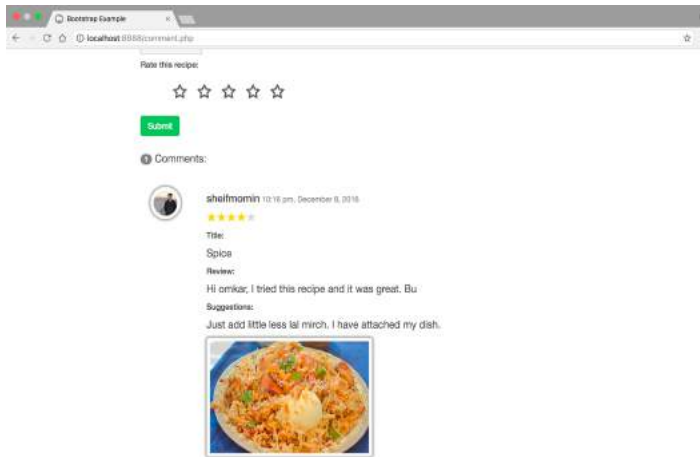
```
$resultSet2 = $mysqli->query("SELECT following_name FROM following WHERE username='$username' AND following_name!='$username' LIMIT 5");
```

When a user comments on your post:

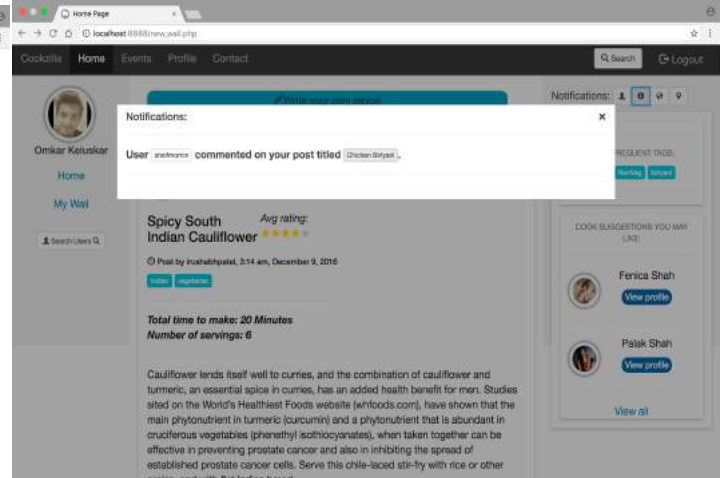
Whenever the user makes the comment on any of my post he will get the notification.  
We have included a feature in which user can click on the name or title to jump to the profile or recipe. Latest 5 new notifications are shown.



I commented on omkar's recipe



Omkar gets notification regarding it.



CODE:

```
$resultSe3 = $mysqli->query("SELECT recipe_id, recipe_title, r_username FROM recipe, reviewers
WHERE recipe.recipe_id=reviewers.r_recipe_id AND recipe_username='$username' AND
r_username!='$username' ORDER BY c_time DESC LIMIT 4;");
```

When a user comments on the recipe that you are interested:

Whenever any user make comment on the recipe on which you previously commented then you will get the notification about this activity. Latest 5 new activities are shown.

Figure (a): Drumil commented on a post (Not omkar's post ) on which omkar commented previously

Figure (b): Omkar gets notification regarding this activity.

Figure (a)

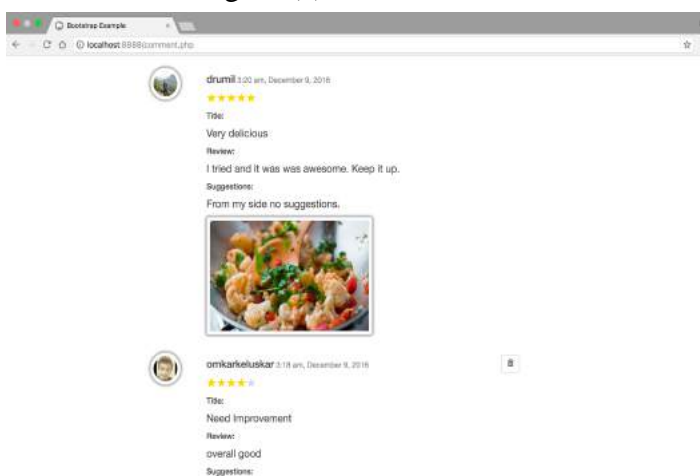
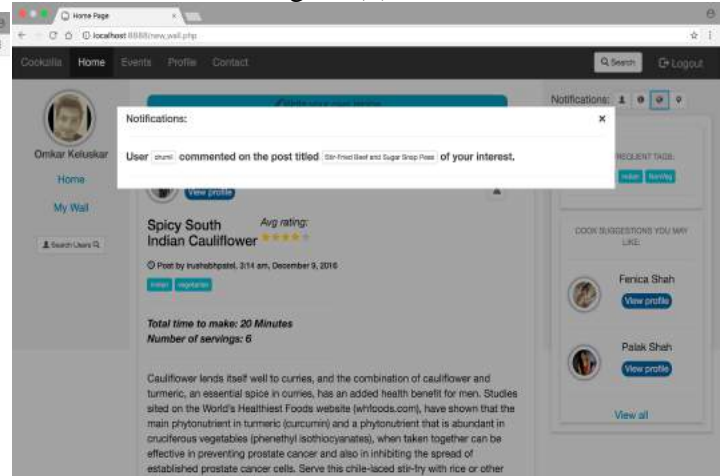


Figure (b)

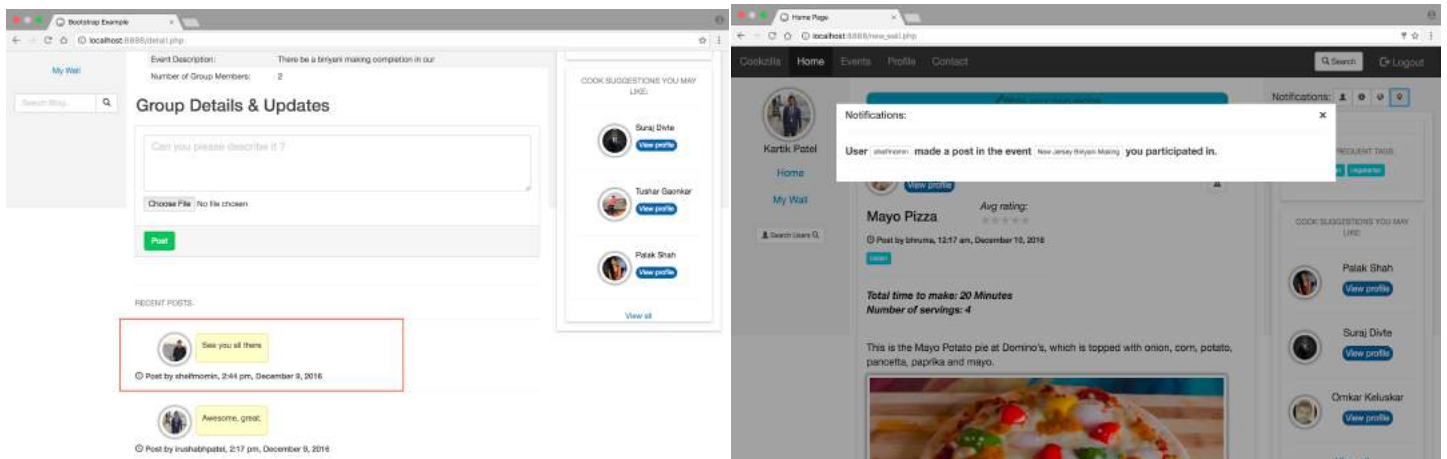


CODE:

```
$resultSe4 = $mysqli->query("SELECT recipe_id, recipe_title, r_username FROM recipe, reviewers  
WHERE recipe.recipe_id=reviewers.r_recipe_id AND r_username!='$username' AND r_recipe_id IN  
(SELECT r_recipe_id FROM reviewers WHERE r_username='$username') ORDER BY c_time LIMIT 5;");
```

When a user post on to the events which you are enrolled

Here you get the notification regarding any updated on the events you enrolled in. Latest 5 events notifications are shown

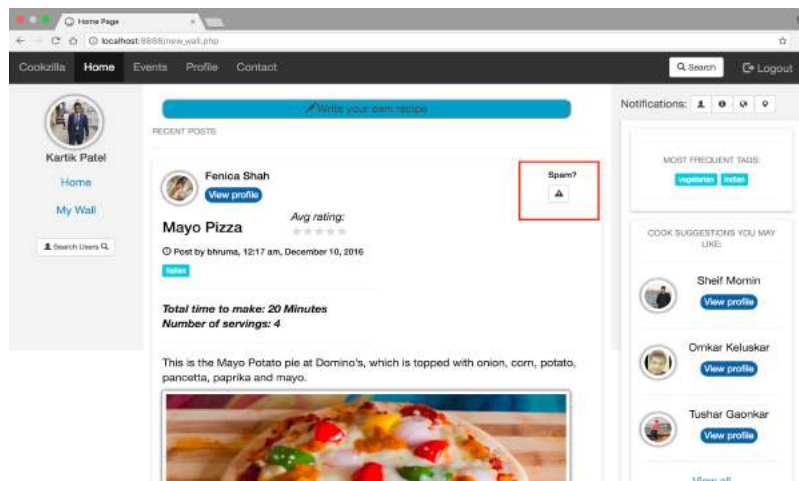


CODE:

```
$resultSe5 = $mysqli->query("SELECT DISTINCT rsvp.event_id as event_id, event_name as event_name,  
updates.username as r_username  
FROM events, rsvp, updates  
WHERE events.event_id=updates.event_id AND rsvp.event_id=events.event_id AND  
updates.username!='$username' AND  
rsvp.event_id IN (SELECT event_id FROM rsvp WHERE username='$username') ORDER BY Time DESC  
LIMIT 5;");
```

## SPAM:

If there is an inappropriate post on the website, the user can have marked that recipe as spam. If certain number of user marked as spam, then tat post will be deleted from the database and no longer appear on the website



After clicking spam button, entry is made onto the database:

+ Options

				recipe_id	username
<input type="checkbox"/>	Edit	Copy	Delete	185	saijad
<input type="checkbox"/>	Edit	Copy	Delete	195	rgp296
<input type="checkbox"/>	Edit	Copy	Delete	195	sheifmomin
<input checked="" type="checkbox"/>	Edit	Copy	Delete	201	irushabhpattel

↑ ☐ Check all    With selected: Edit   Copy   Delete   Export

## CODE:

```

if(isset($_POST['spam']))
{
$rid = $_POST['spam'];

$sql = "Insert into spam (recipe_id, username) values ($rid, '$username')";

if(mysqli_query($mysqli, $sql)){
echo "Perfect";
}
else
{
echo "Can't spam twice";
}
$sql8 = "delete from recipe where recipe.recipe_id in(select t1.recipe_id from (SELECT * FROM spam) as t1
GROUP by t1.recipe_id HAVING count(t1.recipe_id) >=2)";

if(mysqli_query($mysqli, $sql8)) {
    echo "Record deleted successfully";
} else {
    echo "Error deleting record: ";
}
}
}

```

Contact Us:

If any admin Query contact us.

