

Flower Power Forum Page With User Authentication

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- Introduction

We chose the template for a forum page which was bare and minimalistic and wanted to do more and add more functionalities. Along with new logos and a new design to make it more user friendly, we added user authentication and fully implemented it onto our forum. Now you are able to create a user and save your username and password onto a fully functioning database. This database saves your information and you are then able to go onto our login page and login to access our forum page. Our forum page also has an easy to use toolbar which allows you to collapse and expand all forums and replies, and also a button to create a new post. Creating a new post is also very user friendly, with just simple text boxes with clear labels that anyone can use. The purpose of our group was to make this project as user friendly as possible and we were able to achieve that by using the old template, adding and modifying its design, and adding new features that make it accessible to all users. We created this project using a partition of Fedora 28 and the use of LAMP.

- Database

We used mariadb for our needs of mysql in Fedora 28. We created Three tables, A table names 'Body' which holds all the content in every post, every new post and every reply is held by this tables. The next table we created was 'Header' which holds a field for 'parent' which indicates if its a main post or a reply post, 'poster' which holds the names of the poster, 'title' which holds the title of the given post, 'children' which holds the number of replies the post has, 'posted' which shows the time a given post was posted, and 'postid' which shows the position the given post is in the tree. The last table 'user' holds user information in the fields 'username, which holds username data, 'passwd' which saves password data in a hash format and 'email' which holds your email data. These three tables are the main tables we used to hold and save user and content data for our forum.

Database and Tables:

```
Activities Terminal Wed 20:44 root@localhost:~
File Edit View Search Terminal Help
[root@localhost ~]# mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 103
Server version: 10.2.17-MariaDB MariaDB Server

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| discussion |
| information_schema |
| mysql |
| performance_schema |
| test |
+-----+
5 rows in set (0.00 sec)

MariaDB [(none)]> use discussion;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MariaDB [discussion]> show tables;
+-----+
| Tables in discussion |
+-----+
| body |
| header |
| user |
+-----+
3 rows in set (0.00 sec)

MariaDB [discussion]>
```

Body:

```
Activities Terminal Wed 20:44 root@localhost:~
File Edit View Search Terminal Help
MariaDB [discussion]> select * from body;
+-----+
| postid | message |
+-----+
| 1 | Welcome to Flower Power! |
| 2 | Meeting at 7:30 PM Wednesday |
| 3 | &gt; Meeting at 7:30 PM Wednesday |
See you there! |
| 4 | &gt; Welcome to Flower Power! |
Hey! |
| 5 | Inventory influx&hellip; Please make sure that EVERYONE is tracking their inventory properly. There has been indiscrepancies between what is reported and our actual stock. This is causing some issues for our company and we need to get this solved. We will be taking additional measures to make sure for efficient inventory management. Thank You. |
| 6 | &gt; Inventory influx&hellip; Please make sure that EVERYONE is tracking their inventory properly. There has been indiscrepancies between what is reported and our actual stock. This is causing some is |
sues for our company and we need to get this solved. We will be taking additional measures to make sure for efficient inventory management. Thank You. |
What are the new measures being applied? |
| 7 | &gt; &gt; Inventory influx&hellip; Please make sure that EVERYONE is tracking their inventory properly. There has been indiscrepancies between what is reported and our actual stock. This is causing so |
me issues for our company and we need to get this solved. We will be taking additional measures to make sure for efficient inventory management. Thank You. |
&gt; What are the new measures being applied? |
The new measures we have decided to implement is a new digital system that helps us manage the documentation of our inventory. |
| 8 | &gt; Inventory influx&hellip; Please make sure that EVERYONE is tracking their inventory properly. There has been indiscrepancies between what is reported and our actual stock. This is causing some is |
sues for our company and we need to get this solved. We will be taking additional measures to make sure for efficient inventory management. Thank You. |
Will these new measures be permanent or temporary? |
| 9 | &gt; &gt; Inventory influx&hellip; Please make sure that EVERYONE is tracking their inventory properly. There has been indiscrepancies between what is reported and our actual stock. This is causing so |
me issues for our company and we need to get this solved. We will be taking additional measures to make sure for efficient inventory management. Thank You. |
&gt; Will these new measures be permanent or temporary? |
This will be a permanent change, as it will help us document inventory in a more efficient way. |
| 10 | Regarding overtime hours.. All overtime hours need to be reviewed or approved by group managers, as there have been too many overtime hours recorded in the past quarter. Please make sure to do this fr |
om now on. Thank you. |
| 11 | &gt; Regarding overtime hours.. All overtime hours need to be reviewed or approved by group managers, as there have been too many overtime hours recorded in the past quarter. Please make sure to do th |
is from now on. Thank you. |
How early does the overtime request have to be in by? |
| 12 | &gt; &gt; Regarding overtime hours.. All overtime hours need to be reviewed or approved by group managers, as there have been too many overtime hours recorded in the past quarter. Please make sure to
```

Header:

```
Activities Terminal Wed 20:46
root@localhost:~

File Edit View Search Terminal Help

| 14 | &gt; Please RSVP for upcoming team event to the bowling alley. This must be done before January 1st, 2019. Thank you!
What is the date and time for this event?

| 15 | &gt; &gt; Please RSVP for upcoming team event to the bowling alley. This must be done before January 1st, 2019. Thank you!
&gt; What is the date and time for this event?
January 10th, 2019 at 7:30 pm

+-----+
15 rows in set (0.00 sec)

MariaDB [discussion]> select * from user;
+-----+
| username | passwd | email |
+-----+
| qwert | d54b76b2bad9d9946011ebc62a1d272f4122c7b5 | asdf@yahoo.com |
| scastaneda34 | 7c4a8d09ca3762af61e59520943dc26494f8941b | castanedaSTEVEN8@gmail.com |
| scastaneda65 | 7c4a8d09ca3762af61e59520943dc26494f8941b | 123456@gmail.com |
| scastaneda78 | d54b76b2bad9d9946011ebc62a1d272f4122c7b5 | deadmanx67@hotmail.com |
| scastaneda98 | d54b76b2bad9d9946011ebc62a1d272f4122c7b5 | 123456789@gmail.com |
| Steven0713 | d54b76b2bad9d9946011ebc62a1d272f4122c7b5 | scastaneda34@gmail.com |
+-----+
6 rows in set (0.00 sec)

MariaDB [discussion]> select * from header;
+-----+
| parent | poster | title | children | area | posted | postid |
+-----+
| 0 | Steven | Welcome! | 1 | 1 | 2018-12-12 01:20:44 | 1 |
| 0 | Steven | Meeting | 1 | 1 | 2018-12-12 01:22:08 | 2 |
| 2 | Raj | Re: Meeting | 0 | 1 | 2018-12-12 01:34:37 | 3 |
| 1 | Casey | Re: Welcome! | 0 | 1 | 2018-12-12 01:34:55 | 4 |
| 0 | Duncan | Inventory | 1 | 1 | 2018-12-12 01:36:50 | 5 |
| 5 | Steven | Re: Inventory | 1 | 1 | 2018-12-12 01:37:18 | 6 |
| 6 | Duncan | Re: Inventory | 0 | 1 | 2018-12-12 01:37:35 | 7 |
| 5 | Raj | Re: Inventory | 1 | 1 | 2018-12-12 01:38:16 | 8 |
| 8 | Duncan | Re: Inventory | 0 | 1 | 2018-12-12 01:38:33 | 9 |
| 0 | Duncan | Overtime | 1 | 1 | 2018-12-12 01:39:17 | 10 |
| 10 | Casey | Re: Overtime | 1 | 1 | 2018-12-12 01:39:35 | 11 |
| 11 | Duncan | Re: Overtime | 0 | 1 | 2018-12-12 01:40:00 | 12 |
| 0 | Steven | Team Event! | 1 | 1 | 2018-12-12 01:40:46 | 13 |
| 13 | Duncan | Re: Team Event! | 1 | 1 | 2018-12-12 01:41:01 | 14 |
| 14 | Steven | Re: Team Event! | 0 | 1 | 2018-12-12 01:41:17 | 15 |
+-----+
15 rows in set (0.00 sec)

MariaDB [discussion]>
```

User:

```
Activities Terminal Wed 20:44
root@localhost:~

File Edit View Search Terminal Help

| 8 | &gt; Inventory influx&hellip; Please make sure that EVERYONE is tracking their inventory properly. There has been indiscrepancies between what is reported and our actual stock. This is causing some is
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me issues for our company and we need to get this solved. We will be taking additional measures to make sure for efficient inventory management. Thank You.
&gt; Will these new measures be permanent or temporary?
&gt; Will these new measures be permanent or temporary?
This will be a permanent change, as it will help us document inventory in a more efficient way.

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is from now on. Thank you.
How early does the overtime request have to be in by?

| 12 | &gt; &gt; Regarding overtime hours.. All overtime hours need to be reviewed or approved by group managers, as there have been too many overtime hours recorded in the past quarter. Please make sure to
do this from now on. Thank you.
&gt; How early does the overtime request have to be in by?
All requests for overtime hours will need to be sent to group managers 48 hours before the day you have requested the overtime for

| 13 | Please RSVP for upcoming team event to the bowling alley. This must be done before January 1st, 2019. Thank you!

| 14 | &gt; Please RSVP for upcoming team event to the bowling alley. This must be done before January 1st, 2019. Thank you!
What is the date and time for this event?

| 15 | &gt; &gt; Please RSVP for upcoming team event to the bowling alley. This must be done before January 1st, 2019. Thank you!
&gt; What is the date and time for this event?
January 10th, 2019 at 7:30 pm

+-----+
15 rows in set (0.00 sec)

MariaDB [discussion]> select * from user;
+-----+
| username | passwd | email |
+-----+
| qwert | d54b76b2bad9d9946011ebc62a1d272f4122c7b5 | asdf@yahoo.com |
| scastaneda34 | 7c4a8d09ca3762af61e59520943dc26494f8941b | castanedaSTEVEN8@gmail.com |
| scastaneda65 | 7c4a8d09ca3762af61e59520943dc26494f8941b | 123456@gmail.com |
| scastaneda78 | d54b76b2bad9d9946011ebc62a1d272f4122c7b5 | deadmanx67@hotmail.com |
| scastaneda98 | d54b76b2bad9d9946011ebc62a1d272f4122c7b5 | 123456789@gmail.com |
| Steven0713 | d54b76b2bad9d9946011ebc62a1d272f4122c7b5 | scastaneda34@gmail.com |
+-----+
6 rows in set (0.00 sec)

MariaDB [discussion]>
```