Project Description

Short Description:

After login, we can go to community_list, then we can choose a community to look in blogs in the community.

Our schema has changed for this MileStone 4. We deleted the Birthday_Age schema that we intentionally made for decomposition in MileStone 2, as this schema will cause problems in creating the foreign key.

Insert Operation:

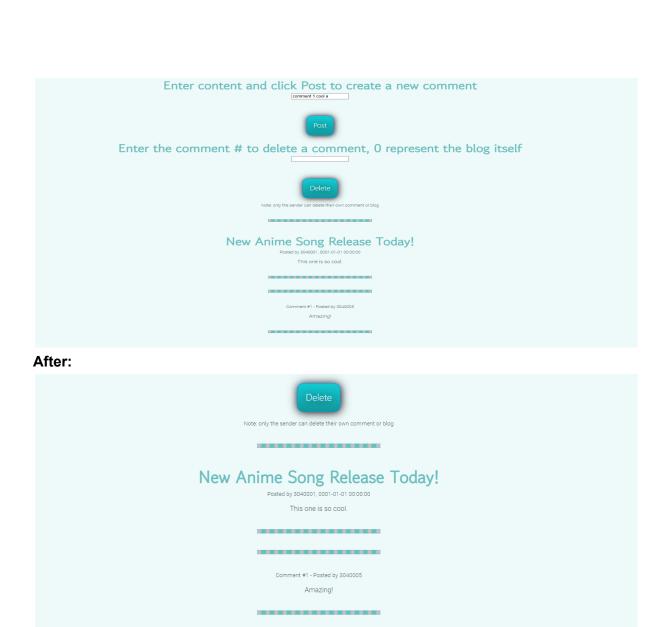
File: blog_detail.php (also register.php)

Code:

```
function handleAddCommentRequest() {
    global $db_conn;
    $blogID = $_$555XIOM['blog'];
    $userID = $_$555XIOM['username'];
    $content = $_POST['content'];
    $checkBan = OCL_Fetch_array(executePlainSQL("SELECT ban_status FROM Blog_Users WHERE userID = $userID"));
    if ($checkBan[0] = 0) {
        $total = oci_fetch_mow(executePlainSQL("SELECT Count(*) FROM Comment_Create_Follows WHERE blogID = $blogID"));
        $forder = $newest[0] + 1;
        } else {
            *fnewest = oci_fetch_row(executePlainSQL("SELECT comment_order FROM Comment_Create_Follows C2 WHERE NOT EXISTS
            (SELECT * FROM Comment_Create_Follows C1 WHERE C1.comment_order > C2.comment_order OR C2.blogID <> $blogID"));
            $forder = $newest[0] + 1;
        }
        if ($content !== '') {
            executePlainSQL("INSERT INTO Comment_Create_Follows VALUES($order, $blogID, $userID, '$content')");
            OCICommit($db_conn);
            echo "the comment has been posted successfully";
            header("refresh:2;unl=blog_detail.php");
        } else {
            echo "cbr>Yau are banned.cbr>";
        }
    }
}
```

ScreenShots:

Before:

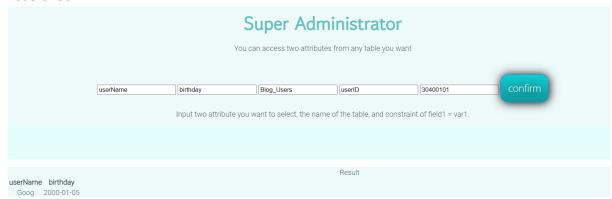




Comment #2 - Posted by 3040001 comment 1 cool a



Let's check:



Delete Operation:

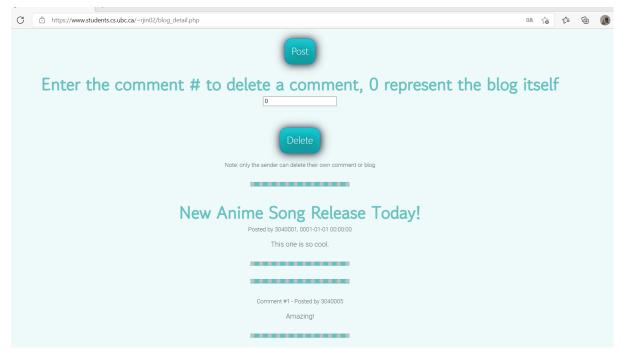
File: blog_detail.php

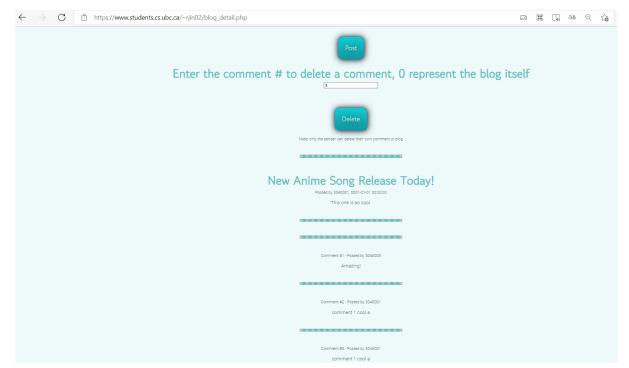
Code:

```
function handleDeleteRequest() {
    global $db.conn;
    $blogID = $_SESSION['blog'];
    $order = $_POST['order'];
    $userID = $_SESSION['username'];
    if ($order == '0') {
        $senderID = oci_fetch_row(executePlainSQL("SELECT userID FROM BID WHERE blogId = $blogID"));
        if ($userID == $_SenderID[0]) {
            executePlainSQL("DELETE FROM BID WHERE blogId = $blogID");
        OCIcommit($db_conn);
            echo "The blog has been deleted successfully";
            header("refresh:2;url=blog_list.php");
        } else {
            echo "You don't have permission to do this";
        }
    } else if ($order !== '') {
        $senderID = oci_fetch_row(executePlainSQL("SELECT userID FROM Comment_Create_Follows WHERE blogId = $blogID AND comment_order = $order"));
        if ($userID == $_senderID[0]) {
            executePlainSQL("DELETE FROM Comment_Create_Follows WHERE blogId = $blogID AND comment_order = $order");
            OCICommit($db_conn);
            echo "The comment has been deleted successfully";
            header("refresh:2;url=blog_detail.php");
        } else {
            echo "You don't have permission to do this";
        }
    } else {
        echo "You don't have permission to do this";
    }
} else {
        echo "You don't have permission to do this";
}
```

ScreenShots:

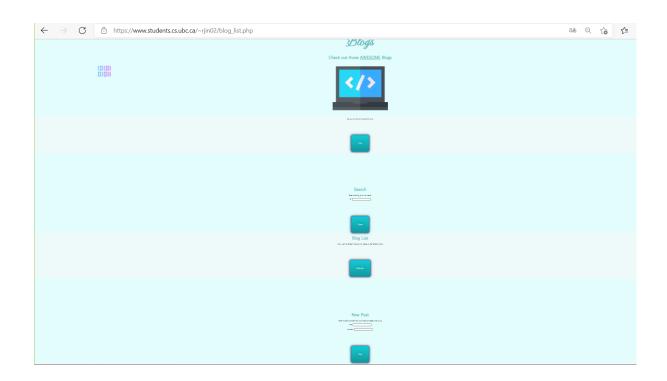
Before:





After (cascade):





Update Operation:

File: superAdmin.php

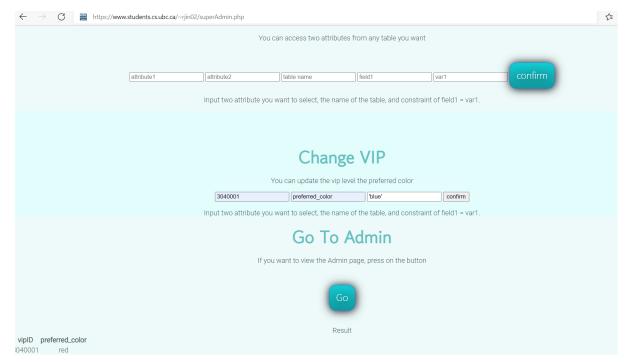
Code:

```
if(isset($_GET['submit'])){
    // echo "Good";
   if(connectToDB()){
       $cmd = "SELECT $attribute1, $attribute2 FROM $table WHERE $field1 = $var1";
       $result = executePlainSQL($cmd);
       //echo $cmd;
       echo "<br>Result<br>";
       echo "";
       echo "$attribute1$attribute2";
       while($row = OCI_Fetch_Array($result, OCI_BOTH)){
          echo "" . $row[0] . "" . $row[1] . "";
}elseif(isset($_GET['submit2'])){
   // echo $vipID;
   // echo $attributeUpdate;
   if(connectToDB()){
       $cmd = "UPDATE VIP SET $attributeUpdate = $value WHERE vipID = $vipID";
       $result = executePlainSQL($cmd);
       OCICommit($db_conn);
```

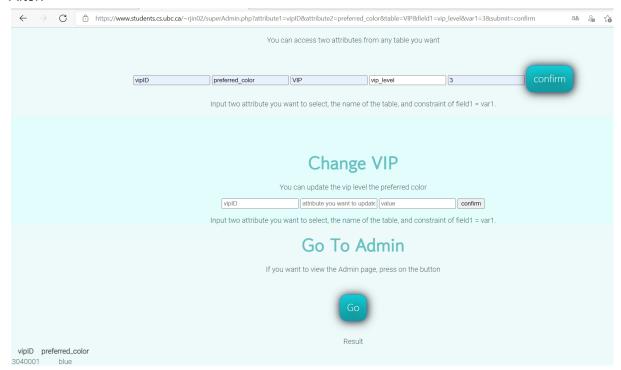
ScreenShots:

Super Administrator can update vip_level and preferred_colorin the VIP table. In the following screenshots, I updated the preferred_color and use the selection function in the page to show that it is successfully updated.

Before:



After:



Selection:

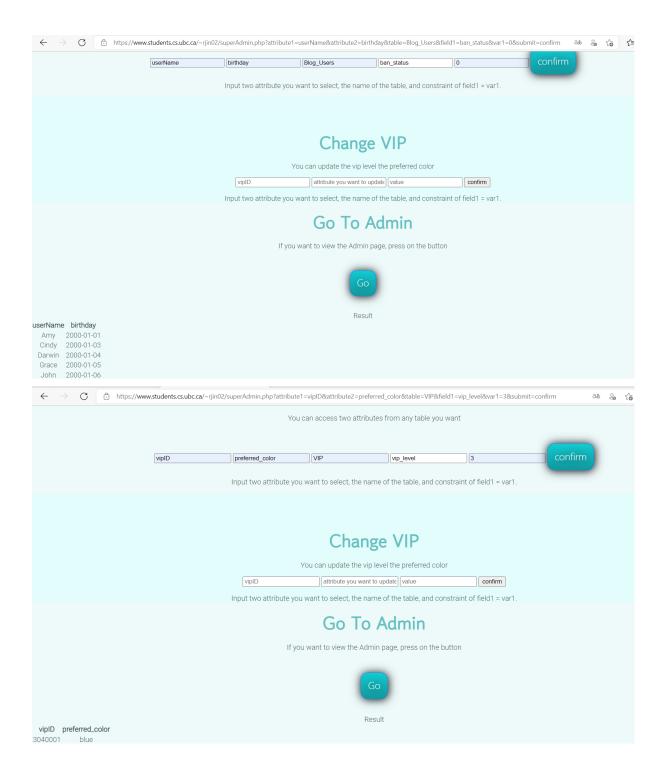
File: superAdmin.php

Code:

```
if(isset($_GET['submit'])){
    // echo "Good";
   if(connectToDB()){
       $cmd = "SELECT $attribute1, $attribute2 FROM $table WHERE $field1 = $var1";
       $result = executePlainSQL($cmd);
       //echo $cmd;
       echo "<br>Result<br>";
       echo "";
       echo "$attribute1$attribute2";
       while($row = OCI_Fetch_Array($result, OCI_BOTH)){
          echo "" . $row[0] . "" . $row[1] . "";
}elseif(isset($_GET['submit2'])){
   // echo $vipID;
   // echo $attributeUpdate;
   if(connectToDB()){
      $cmd = "UPDATE VIP SET $attributeUpdate = $value WHERE vipID = $vipID";
       $result = executePlainSQL($cmd);
      OCICommit($db_conn);
```

ScreenShots:

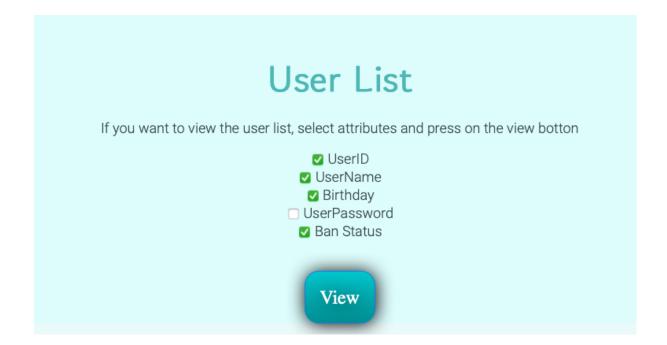
In the following screenshots, we showed that we can both select the vip table and also the user table. The selection conditions are the vip_level and ban_status for this example.



Projection:

File: admin.php

Code:

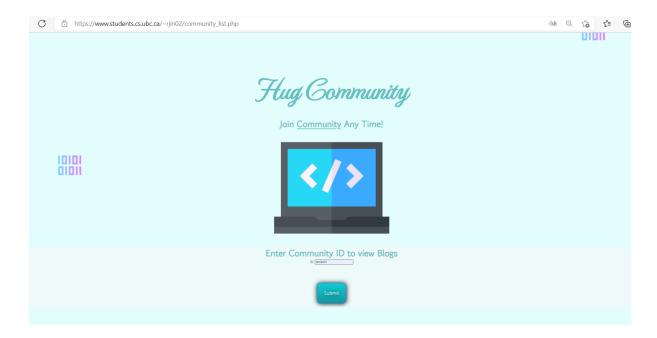


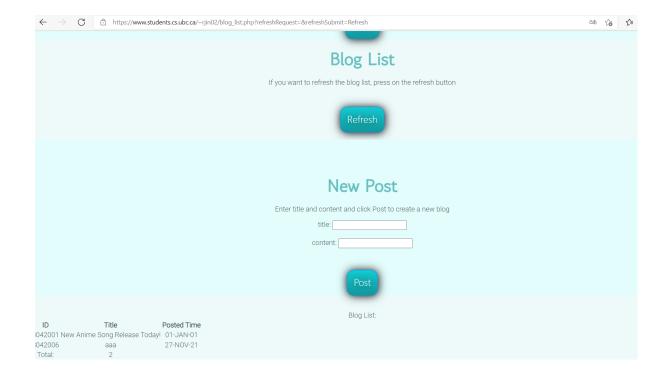
userID	userName	birthday	ban_status
3040001	Amy	2000-01-01	0
3040002	Bob	2000-01-02	1
3040003	Cindy	2000-01-03	0
3040004	Darwin	2000-01-04	0
3040005	Grace	2000-01-05	0
3040006	John	2000-01-06	0
3040007	Cindy	2000-02-02	1
3040008	Darwin	1998-01-01	1

Join:

File: blog_list.php

Code:





Group By: File: topic_list

Code:

ScreenShots:

Hunt Topic with Level			
Ex. you can find out our hottest topic where level is greater than you expect			
Level At Least: 3			
Search			

Topic Popularity

2

IT

Hot Topic List:

Hunt Topic with Level Ex. you can find out our hottest topic where level is greater than you expect Level At Least: 2 Search Go To Community If you want to view the community page, press on the button Topic Popularity Sports 1 IT 2

Aggregation with Having: File: superAdmin.php Code:

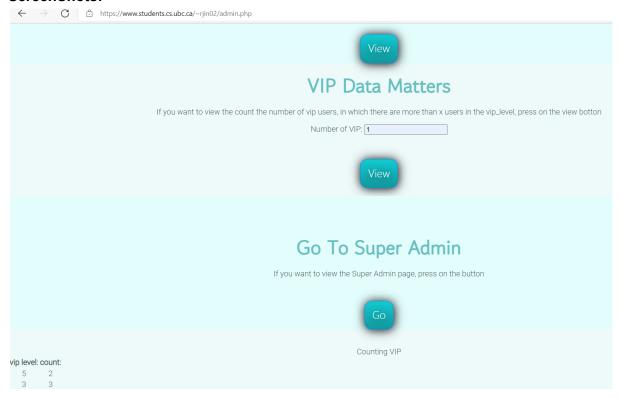
```
}elseif(isset($_GET['submit2'])){
   // echo $vipID;
   // echo $attributeUpdate;
   if(connectToDB()){
       $cmd = "UPDATE VIP SET $attributeUpdate = $value WHERE vipID = $vipID";
       $result = executePlainSQL($cmd);
       OCICommit($db_conn);
}elseif(isset($_GET['submit3'])){
   if(connectToDB()){
       $cmd = "SELECT ban_status, COUNT(*)
       from Blog_Users
       GROUP BY ban_status
       Having COUNT(*) > $num";
       $result = executePlainSQL($cmd);
       OCICommit($db_conn);
       echo "<br>Result<br>";
       echo "";
       echo "ban_statusnumber";
       while($row = OCI_Fetch_Array($result, OCI_BOTH)){
          echo "" . $row[0] . "" . $row[1] . "";
       }
```



Nested Aggregation with Group By:

File: admin.php

Code:



Division:

File: admin.php

Code:

ScreenShots:

Loyal User List

If you want to view the loyal user who subscribed all communities, press on the view botton



Loyal User List:

ID

3040005