

# **TSEC DISCUSSION FORUM**

**Subject: DBMS** 

**Developed By:** 

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#### **TSEC DISCUSSION FORUM**

#### **Abstract**

A Discussion Forum (know also by various other names such as discussion group, discussion board, message board and online forum) is a general term for any online "bulletin board" where you can leave and expect to see responses to messages you have left. Or you can just read the board. The site is composed of small individual posts.

Each post has a specific topic, such as technology, politics or music. Discussion forum's homepage, or the front page, as it is often called, is composed of the most popular posts. Discussion forum provides the places under which members can start their discussions or posts. Logically forum are organized into a set of generic categories such as technology, business, science, health etc. Post can be any of any form such as text, video, blog, audio, image, etc.

## Scope

The website will have following functionalities:

- Sign up form for new users
- User is provide with a unique username for future logins
- Multiple new posts can be uploaded without affecting the existing users
- User can show agreement or disagreement by upvoting or downvoting the post
- User can provide input by commenting on the posts they are interested
- User profile maintains all activities such as posts, comments made by user
- Maintains record of recently visited posts
- Password recovery through email
- Posts classified according to different categories like technology, science, business, health, politics, sports and others

## **API for MySQL Queries:**

```
<?php
use \Psr\Http\Message\ServerRequestInterface as Request;
use \Psr\Http\Message\ResponseInterface as Response;
use Slim\Views\PhpRenderer;
$app = new \Slim\App;
$container = $app->getContainer();
$container['renderer'] = new PhpRenderer("./templates");
$app->get('/api/category', function(Request $request, Response $response){
  $sql = "SELECT * FROM categorymaster";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $customers = $stmt->fetchAll(PDO::FETCH_OBJ);
    db = null;
    $data = json encode($customers);
    return $response->withJson($customers);
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->get('/api/category/{id}', function(Request $request, Response $response){
  $catid = $request->getAttribute('id');
  $sql = "SELECT catname FROM categorymaster WHERE catid='$catid'";
 //$sql = "SELECT postdetails.*, categorymaster.catname, userdetails.username, commentson.* FROM
postdetails, categorymaster, userdetails, comments on WHERE postdetails.catid = categorymaster.catid
AND postdetails.userid = userdetails.userid AND postdetails.postid=comments.on";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $customers = $stmt->fetchAll(PDO::FETCH_OBJ);
```

```
db = null;
    $data = json encode($customers);
    return $response->withJson($customers);
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->get('/api/users', function(Request $request, Response $response){
  $sql = "SELECT * FROM userdetails";
 try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $customers = $stmt->fetchAll(PDO::FETCH_OBJ);
    db = null;
    // echo $customers[0];
    echo json_encode($customers);
    // return $response->withRedirect('../signup.php');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
//GET POSTS
$app->get('/api/posts', function(Request $request, Response $response){
 // $sql = "SELECT * FROM postdetails ORDER BY postid DESC";
  $sql = "SELECT postdetails.*, categorymaster.catname, userdetails.username FROM postdetails,
categorymaster, userdetails WHERE postdetails.catid = categorymaster.catid AND postdetails.userid =
userdetails.userid ORDER BY postid DESC";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $post = $stmt->fetchAll(PDO::FETCH_OBJ);
    db = null;
```

```
// echo $customers[0];
    $data = json encode($post);
    return $response->withJson($post);
    // return $response->withRedirect('../signup.php');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
// Get Single Post
$app->get('/api/post/{id}', function(Request $request, Response $response){
  $id = $request->getAttribute('id');
  $sql = "SELECT * FROM postdetails WHERE postid = $id";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $post = $stmt->fetch(PDO::FETCH_OBJ);
    db = null;
    return $response->withJson($post);
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->post('/api/post/edit/{id}', function(Request $request, Response $response){
  $postid = $request->getAttribute('id');
  $title = $request->getParam('title');
  $type = $request->getParam('type');
  $description = $request->getParam('description');
  $sql = "UPDATE postdetails SET
                                title
                                        =:title,
                                type
                                        = :type,
         description
                                = :description
                        WHERE postid = '$postid'";
  try{
    // Get DB Object
```

```
db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
    $stmt->bindParam(':title', $title);
    $stmt->bindParam(':description', $description);
    $stmt->bindParam(':type', $type);
    $stmt->execute();
    return $response->withRedirect('../../edit.php');
    // echo '{"notice": {"text": "Customer Updated"}';
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->get('/api/posts/{username}', function(Request $request, Response $response){
  $username = $request->getAttribute('username');
  $sql = "SELECT * FROM postdetails WHERE userid = (SELECT userid FROM userdetails where
username='$username')";
  //$sql = "SELECT * FROM `postdetails` WHERE userid=2";
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    // $post = $stmt->fetch(PDO::FETCH OBJ);
    $post = $stmt->fetchAll(PDO::FETCH_OBJ);
    db = null;
    return $response->withJson($post);
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
```

\$app->get('/api/user/{username}', function(Request \$request, Response \$response){

```
$username = $request->getAttribute('username');
  $sql = "SELECT * FROM userdetails WHERE username = '$username'";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $user = $stmt->fetchAll(PDO::FETCH_OBJ);
    db = null;
    $data = json_encode($user);
    return $response->withJson($user);
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->post('/api/user/add', function(Request $request, Response $response){
  $fullname = $request->getParam('fullname');
  $userpassword = $request->getParam('userpassword');
  $email = $request->getParam('email');
  $dob = $request->getParam('dob');
  $username = $request->getParam('username');
  echo $fullname;
  //{
      "fullname": "Harsh Agicha",
  // "userpassword":"harshagicha",
  // "email": "harshagicha@gmail.com",
      "dob":"1998-12-07",
  //
      "username": "harshagicha"
  //}
  $sql = "INSERT INTO userdetails (dob, userpassword, username, fullname, email) VALUES
  (:dob, :userpassword, :username, :fullname,:email)";
  try{
    // Get DB Object
    $db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
```

```
$stmt->bindParam(':fullname', $fullname);
    $stmt->bindParam(':username', $username);
    $stmt->bindParam(':email',
                                 $email);
    $stmt->bindParam(':dob', $dob);
                                         $userpassword);
    $stmt->bindParam(':userpassword',
    $stmt->execute();
    session start();
    $_SESSION['myusername'] = $username;
    // echo '{"notice": {"text": "Customer Added"}';
    return $response->withRedirect('../../home.php');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
 }
});
$app->get('/hello/{name}', function (Request $request, Response $response) {
  $name = $request->getAttribute('name');
  $response->getBody()->write("Hello, $name");
  return $response;
});
$app->post('/api/login', function(Request $request, Response $response){
  $userpassword = $request->getParam('userpassword');
  $username = $request->getParam('username');
  // username='$username' AND
  $sql = "SELECT * FROM userdetails WHERE username='$username' AND
userpassword='$userpassword'";
  try{
    // Get DB Object
    session_start();
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $user = $stmt->fetch(PDO::FETCH_OBJ);
    $nRows = (int)$stmt->fetchColumn();
    $count = $stmt->rowCount();
    db = null;
```

```
if($count == 1) {
      $ SESSION['myusername'] = $username;
      $error = "Your Login Name or Password is invalid";
    echo json encode($user);
    return $response->withRedirect('../home.php');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->post('/api/post/add', function(Request $request, Response $response){
  session_start();
  $title = $request->getParam('title');
  $description = $request->getParam('description');
  $type = $request->getParam('type');
  $category = $request->getParam('category');
  $username = $ SESSION['myusername'];
  $date = new DateTime();
  $postdate = $date->format('Y-m-d');
  echo $postdate;
  $upvotes = 0;
  $downvotes = 0;
  // echo '{"notice": {"text": '.$category.'}';
  $sql = "SELECT userid FROM userdetails where username='$username'";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $user = $stmt->fetchAll(PDO::FETCH OBJ);
    db = null;
    $userid = json_encode($user[0]);
    $userid = json decode($userid, true);
    $userid = $userid["userid"];
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
```

```
}
  $sql = "INSERT INTO postdetails (type, title, postdate, description, downvotes, upvotes, userid, catid)
VALUES
  (:type, :title, :postdate, :description,:downvotes, :upvotes, :userid, :catid)";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
    $stmt->bindParam(':type', $type);
    $stmt->bindParam(':title', $title);
    $stmt->bindParam(':postdate',
                                      $postdate);
    $stmt->bindParam(':description', $description);
    $stmt->bindParam(':downvotes',
                                         $downvotes);
    $stmt->bindParam(':upvotes',
                                      $upvotes);
    $stmt->bindParam(':userid',
                                    $userid);
    $stmt->bindParam(':catid',
                                  $category);
    $stmt->execute();
    // echo "the new userid" . $userid;
    // echo '{"notice": {"text": "Customer Added"}';
    return $response->withRedirect('../../home.php');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->get('/api/upvote/{id}/{value}', function (Request $request, Response $response) {
  $postid = $request->getAttribute('id');
  $upvotes = $request->getAttribute('value');
  $sql = "UPDATE postdetails SET
                                upvotes
                                                = :upvotes
                        WHERE postid = '$postid'";
  try{
    // Get DB Object
    db = new db();
```

```
// Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
    $stmt->bindParam(':upvotes', $upvotes);
    $stmt->execute();
    // return $response->withRedirect('../../edit.php');
    // echo '{"notice": {"text": "Customer Updated"}';
    return $response->withJson('{}');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->get('/api/upvote/comment/{id}/{value}', function (Request $request, Response $response) {
  $postid = $request->getAttribute('id');
  $cupvotes = $request->getAttribute('value');
  $sql = "UPDATE commentson SET
                                cupvotes
                                                =:cupvotes
                        WHERE commentid = '$postid'";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
    $stmt->bindParam(':cupvotes', $cupvotes);
    $stmt->execute();
    // return $response->withRedirect('../../edit.php');
    // echo '{"notice": {"text": "Customer Updated"}';
    return $response->withJson('{}');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
```

```
$app->get('/api/downvote/{id}/{value}', function (Request $request, Response $response) {
  $postid = $request->getAttribute('id');
  $downvotes = $request->getAttribute('value');
  $sql = "UPDATE postdetails SET
                               downvotes
                                              = :downvotes
                       WHERE postid = '$postid'";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
    $stmt->bindParam(':downvotes', $downvotes);
    $stmt->execute();
    // return $response->withRedirect('../../edit.php');
    // echo '{"notice": {"text": "Customer Updated"}';
    return $response->withJson('{}');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
  $response->getBody()->write("Hello, $name");
  return $response;
});
$app->get('/api/downvote/comment/{id}/{value}', function (Request $request, Response $response) {
  $postid = $request->getAttribute('id');
  $cdownvotes = $request->getAttribute('value');
  $sql = "UPDATE commentson SET
                               cdownvotes
                                              = :cdownvotes
                       WHERE commentid = '$postid'";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
```

```
$stmt->bindParam(':cdownvotes', $cdownvotes);
    $stmt->execute();
    // return $response->withRedirect('../../edit.php');
    // echo '{"notice": {"text": "Customer Updated"}';
    return $response->withJson('{}');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
  $response->getBody()->write("Hello, $name");
  return $response;
});
$app->get('/', function(Request $request, Response $response){
  return $response->withRedirect('./home.php');
});
$app->post('/api/comment/{id}', function(Request $request, Response $response){
  session start();
  $postid = $request->getAttribute('id');
  $cdescription = $request->getParam('cdescription');
  $username = $_SESSION['myusername'];
  // $username = $request->getParam('username');
  $date = new DateTime();
  $commentdate = $date->format('Y-m-d');
  echo $commentdate;
  cupvotes = 0;
  $cdownvotes = 0;
  // echo '{"notice": {"text": '.$category.'}';
  $sql = "SELECT userid FROM userdetails where username='$username'";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $user = $stmt->fetchAll(PDO::FETCH_OBJ);
    db = null;
    $userid = json_encode($user[0]);
    $userid = json_decode($userid, true);
```

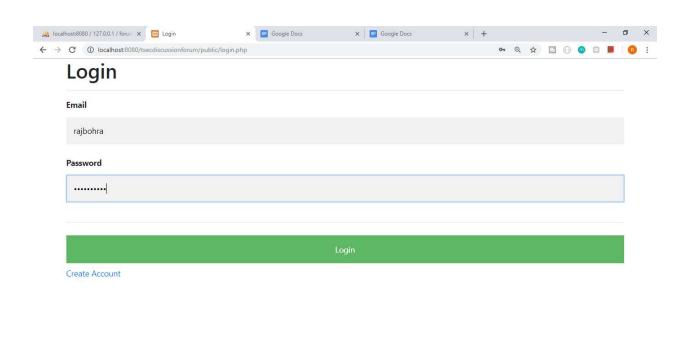
```
$userid = $userid["userid"];
  } catch(PDOException $e){
    $hello = '{"error": {"text": '.$e->getMessage().'}';
    return $response->withJson($hello);
  }
  $sql = "INSERT INTO commentson (commentdate, cdescription, cupvotes, cdownvotes, postid, userid)
VALUES
  (:commentdate, :cdescription, :cupvotes,:cdownvotes, :postid, :userid)";
 try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
    $stmt->bindParam(':commentdate', $commentdate);
    $stmt->bindParam(':cdescription', $cdescription);
    $stmt->bindParam(':cupvotes',
                                     $cupvotes);
    $stmt->bindParam(':cdownvotes', $cdownvotes);
    $stmt->bindParam(':postid',
                                   $postid);
    $stmt->bindParam(':userid',
                                   $userid);
    $stmt->execute();
    // echo "the new userid" . $userid;
    // echo '{"notice": {"text": "Customer Added"}';
    // return $response->withRedirect('../../home.php');
    return $response->withJson('{}');
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->get('/api/comments/{id}', function (Request $request, Response $response) {
  $postid = $request->getAttribute('id');
 // $sql = "SELECT * FROM commentson WHERE postid='$postid'";
  $sql = "SELECT commentson.*, userdetails.username FROM commentson, userdetails WHERE
postid='$postid' AND commentson.userid = userdetails.userid";
```

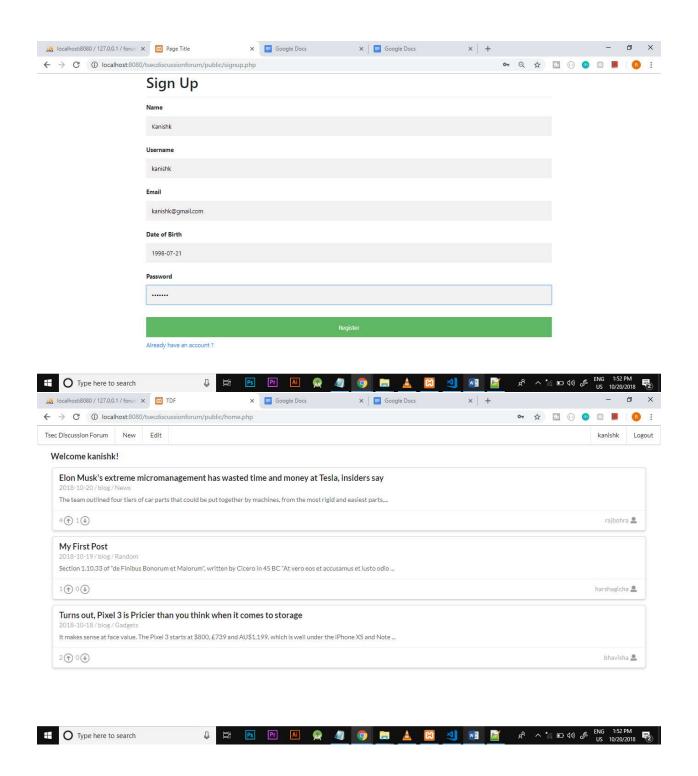
```
try{
    // Get DB Object
    $db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->query($sql);
    $customers = $stmt->fetchAll(PDO::FETCH_OBJ);
    db = null;
    $data = json_encode($customers);
    return $response->withJson($customers);
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
});
$app->delete('/api/post/delete/{id}', function(Request $request, Response $response){
  $postid = $request->getAttribute('id');
  $sql = "DELETE FROM postdetails WHERE postid = $postid";
  try{
    // Get DB Object
    $db = new db();
    // Connect
    $db = $db->connect();
    $stmt = $db->prepare($sql);
    $stmt->execute();
    db = null;
    echo '{"notice": {"text": "Post Deleted"}';
  } catch(PDOException $e){
    echo '{"error": {"text": '.$e->getMessage().'}';
  }
  $sql = "DELETE FROM commentson WHERE postid = $postid";
  try{
    // Get DB Object
    db = new db();
    // Connect
    $db = $db->connect();
```

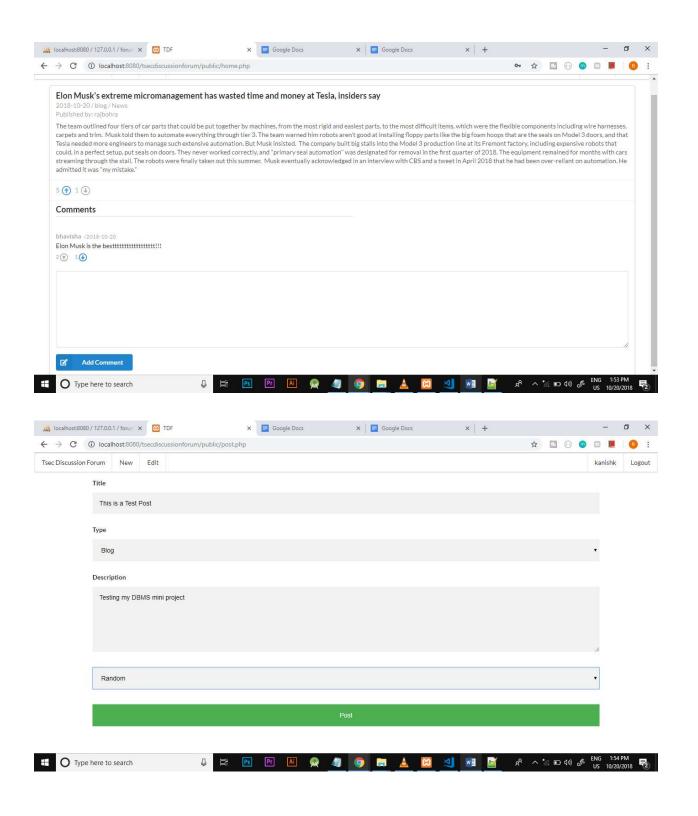
```
$stmt = $db->prepare($sqI);
$stmt->execute();
$db = null;
echo '{"notice": {"text": "Post Deleted"}';
} catch(PDOException $e){
   echo '{"error": {"text": '.$e->getMessage().'}';
}
});
```

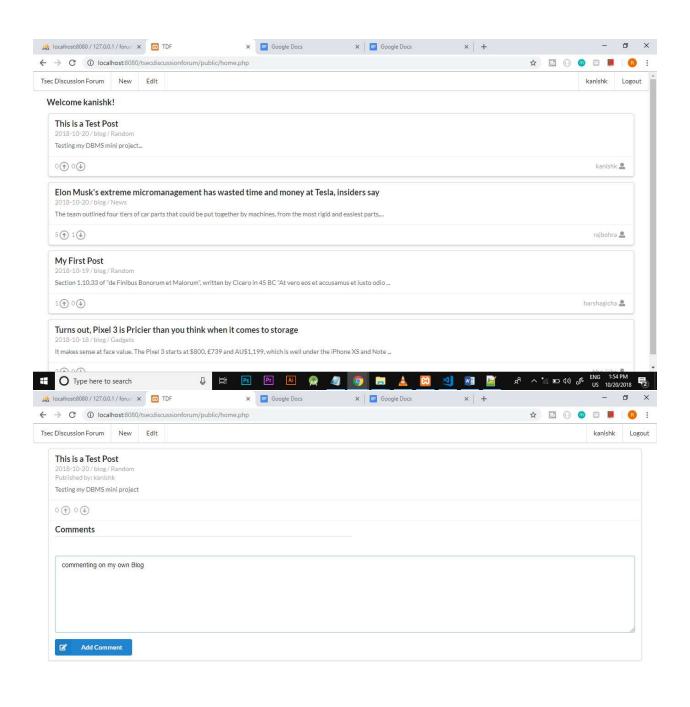
#### **OUTPUT:**

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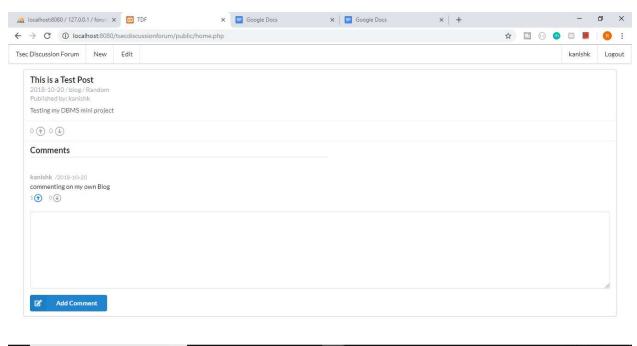


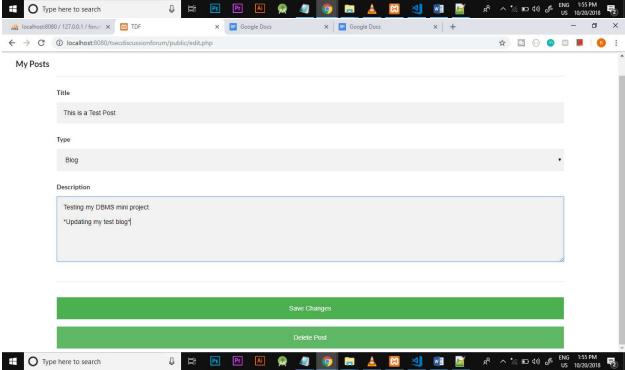


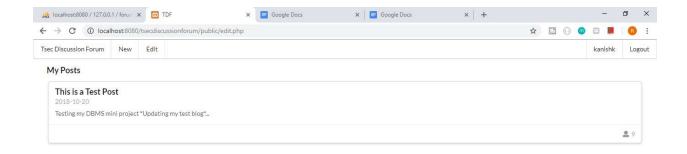


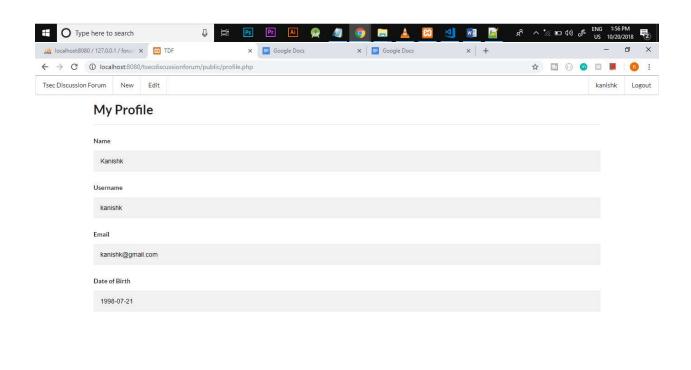












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