

Tiny News-A News Website

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Submitted To

Department of Computer Science & Engineering
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A project submitted in Partial Fulfillment of the requirements for the Degree of
B.Sc in Computer Science & Engineering



Department of Computer Science & Engineering
East West University, Dhaka

January 14, 2016

DECLARATION

The project has been submitted to the Department of the Computer Science & Engineering, East West University in the partial fulfillment of the requirement for the degree of Bachelor of Science in CSE performed by us under supervision of Senior Lecturer Md. Shamsujjoha, Department of Computer Science & Engineering. This is also needed to certify that, the project work under the course **‘Project Work (CSE-499)’**. We, hereby, declare that this project has not been submitted elsewhere for the requirement of any degree or diploma or any other purposes.

Signature of the candidate

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Letter of Acceptance

The Project entitled **Tiny News-A News Website** submitted by Farhana Afrose , ID: 2010-2-60-005 to the department of computer Science and Engineering, East West University, Dhaka Bangladesh is accepted as satisfactory for the partial fulfillment of the of the requirement for the degree of Bachelor of Science in Computer Science and Engineering on January 14,2016.

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Abstract

In this project, we develop a website that is kind a news blog website related to any kind of news like international, sports, technology etc. It is an effort to give people some idea about something that they are going to consume. We named this website TINY NEWS. We have used HTML5, CSS3, JavaScript and jQuery, Bootstrap for front end and PHP Codeigniter MVC framework for server end and MySQL for the database. And also we are hoping to make the site smarter in future.

Acknowledgement

First of all we would like to convey our thanks and gratitude to Almighty Allah, for his immeasurable grace and profound kindness. Today we are successful in completing our works.

We are heartily grateful to our supervisor Md. Shamsujjoha, Department of Computer Science and Engineering, East West University for his continuous support and inspiration and also thankful for his kindness to complete proper report.

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Chapter 1: Introduction

A news website is that kind of website where you can find some reviews on various categories given by general people. TINY NEWS is the same. But unlike other news website TINY NEWS gives users to post their own review. For that it has registration system for the users. Users will post their review which will show in the main page of the website. User can post these reviews category wish. They can read any review of other real people who posted it. There is also search option to search any kind of review they want to read and they can browse posts using the category option. Finally we have built Admin panel where Admin can take action against violators, violence posts and violence comments. Moreover, in our admin panel Admin can see the total number of users have been assigned and total number of posts have been posted.

1.1 Motivation:

For our project we consider to develop this review website for two reasons.

1. There are lots of websites on different topic but there is no website that will give us a platform for all kind of news.
2. There are no good review websites that will provide reviews related to Bangladeshi products.

1.2 Purpose of the project:

To change the concept of review system that exists. Giving people a great experience about anything they want to consume.

1.3 Objective:

A review website where people can register, post and view others review to get an idea about what they are going to consume.

1.4 Outline:

- Introduction
- The system
- Design Specification
- Future Work

Chapter 2: The System

2.1 User Activities:

There are two kind of user of this system.

1. User who have an account.
2. User who does not have an account.

User who have an account:

1. They can read any post including categorical post feature.
2. They can comment on any post
3. They can report a post
4. They can give a review. Using the Write Review option.
5. They have their own profile
6. They can search
7. They can share to social network like Facebook

User who don't have an account:

1. They can read any post including categorical post feature.
2. They cannot comment on anything.
3. They can register to become a member and get all the features that are available for the user who have an account.
4. They can search.
5. They can share to social network like Facebook.

2.2 Admin Activities:

For admin there are different pages where

1. Admin can logging
2. Manage users posts
3. Manage users ids
4. Manage user comments
5. See total post and users and so on.

Chapter 3: Requirement Analysis

The website required the following requirement. There are mainly two actors. The user and the admin.

3.1: Data Requirement

During the requirement analysis the following data have been identified as data requirement.

- The users can read any post on the site and share it to the Facebook.
- If the users want to give their own post or comment to any post they need to login or create a new account.
- Logged in users can post and comment. They will have their own profile and they can upload their images.
- Logged in users can report any post.
- When users are giving a post, he must select a category and give some tag on this. He may choose some subcategory to make the post more specific.
- Any visitor can see the notice.
- Admin will login to the admin panel to manage the website.
- He can see how many post or users are there.
- He can delete any user.
- He can delete any post.
- He can delete any comment.
- Admin can give any notice regarding the website.

3.2: Physical Design

The physical design relates to the actual input and output processes of the system. This is laid down in terms of how data is input into a system, how it is verified or authenticated, how it is processed, and how it is displayed as In Physical design; the following requirements about the system are decided.

- Input requirements
- Output requirements
- Storage requirement
- Processing Requirements

3.3.1 Use Case Diagram for User:

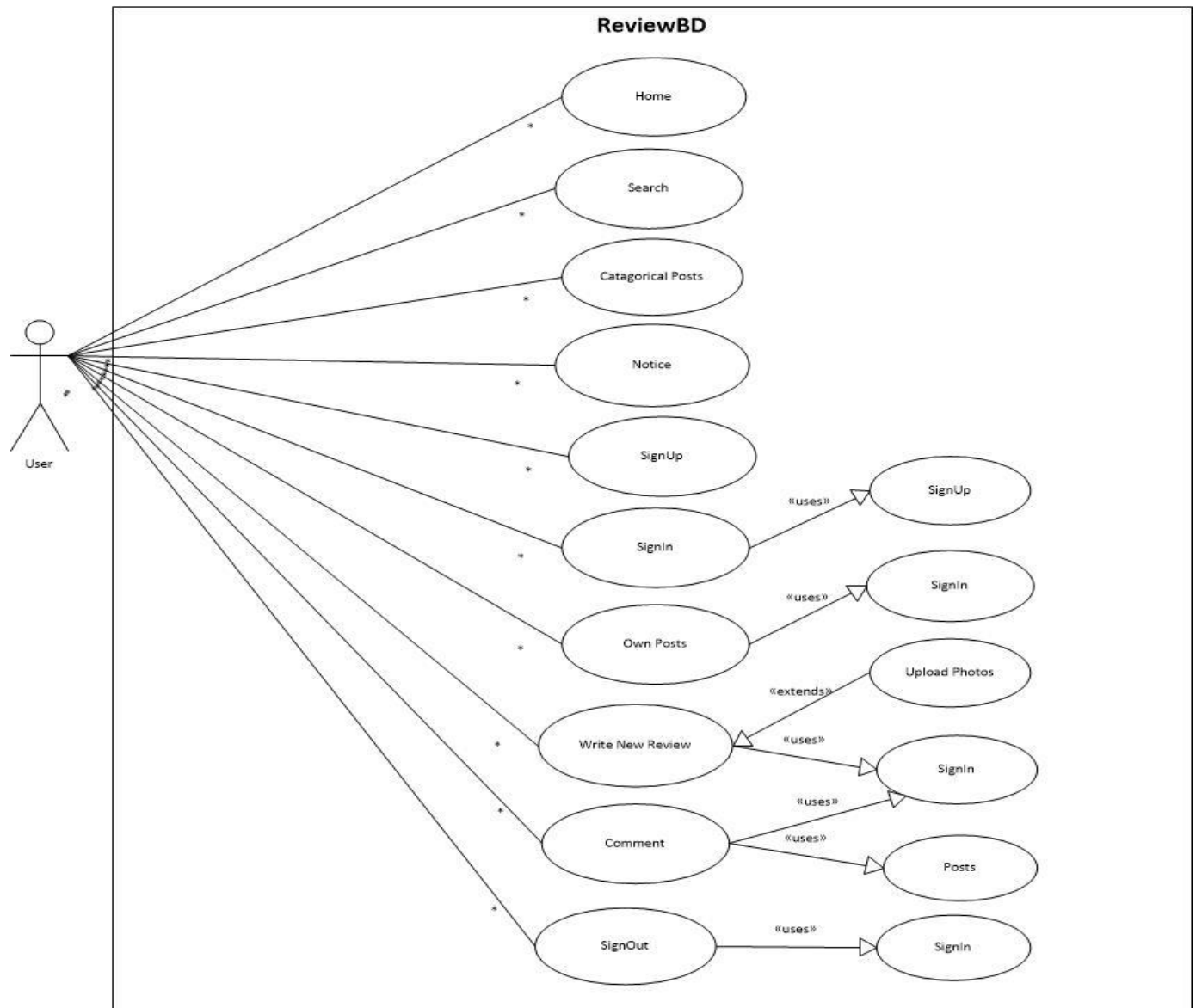


Fig 3.1: Use Case Diagram for User Management.

Description: This is the Use Case Diagram of a user. This diagram shows the interaction between User and the site.

- ❖ **Home:** Users can go to home page and can see all contents of the homepage.
- ❖ **Search:** Using search option user can find any of his/her desired post.
- ❖ **Categories:** By using categorical post Users can find post by category. User doesn't need to go through all posts.
- ❖ **Notice:** Users can see the notice which would have posted by admin.
- ❖ **Sign up:** To become a registered member Users have to be registered.
- ❖ **Sign-in:** To write a new review or put a comment on someone posts, user has to be logged in. Here is a Uses use case included where base case is depends on the Uses use case. Without Uses use case the base can't go through the sign in.
- ❖ **Own Posts:** So far you have been posted review on our site you can see those posts but you have to be registered member of this site. Therefore, Uses use case is included here.
- ❖ **Write new review:** Users can write a new review for the site. Here is included another use case name is Extend use case which is depend on the base case. It is opposite to Uses use case.
- ❖ **Comment:** Users can put comment on the posts but User has to be logged in.
- ❖ **Sign-out:** If you are not logged in how can you sign out from the system. Therefore base case is depends on the Uses use case.

3.3.2 Use Case Diagram for Admin:

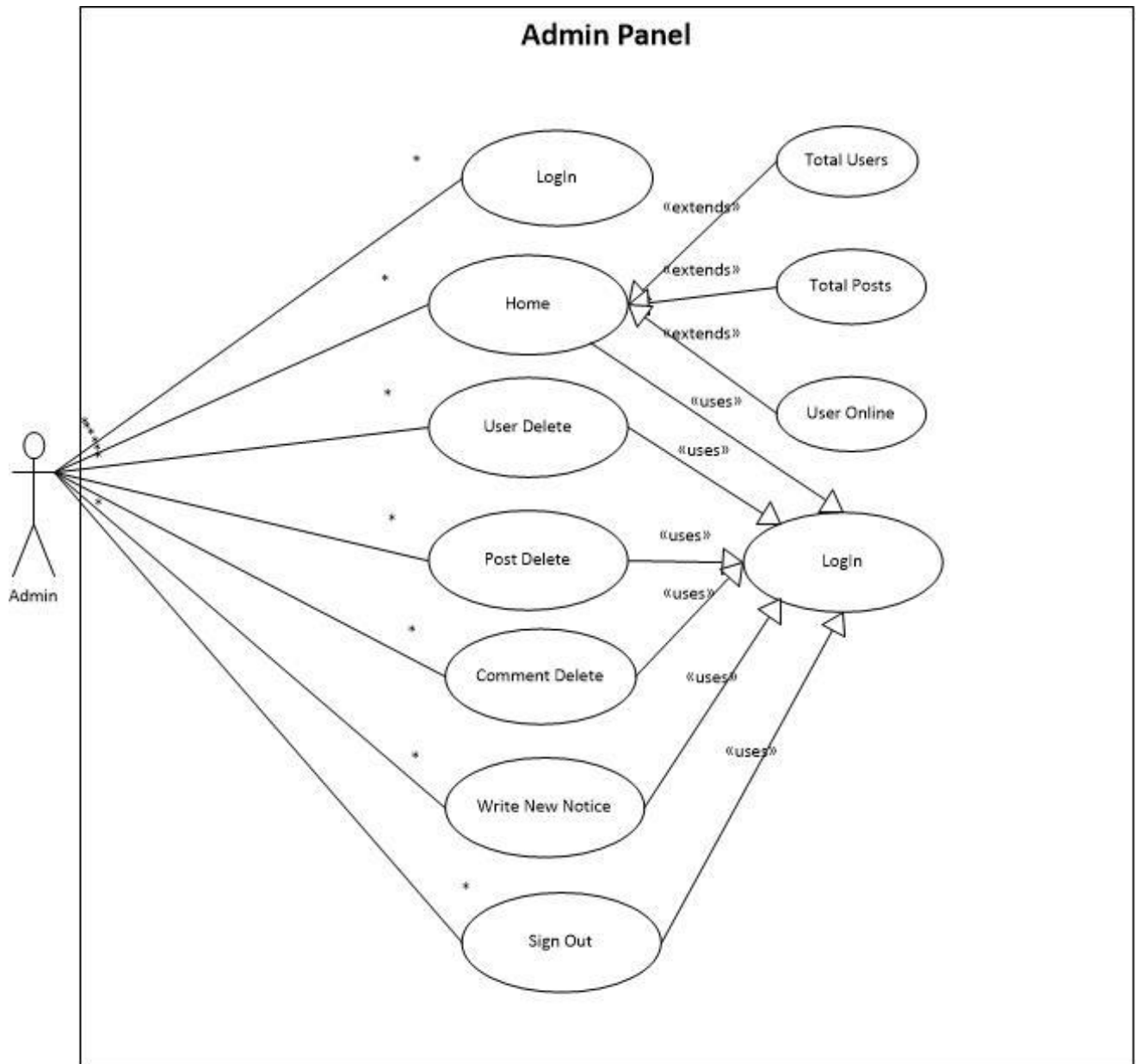


Fig 3.2: Use Case Diagram for Admin Management.

Description: This is the Use Case Diagram of an Admin. This diagram shows the interaction between Admin and the Admin Panel.

- ❖ **Login:** Admin can log in to the Admin panel.
- ❖ **Home:** Admin can go through the home page contents. Here are some extending use cases whose are completely depend on home page. Moreover, there is included a Uses use case as well.
- ❖ **Users Delete:** Admin can take action against violators.
- ❖ **Posts Delete:** Admin can delete post which posts are irrelevant according to our site.
- ❖ **Comments Delete:** Admin can take action against violence comments.
- ❖ **Sign out:** Final step is sign out option for the Admin.

3.4 Activity Diagrams:

Let's start by describing the basic notation that I've used in Figures 3.3 and 3.4:

- ❖ **Initial node.** The filled in circle is the starting point of the diagram. An initial node isn't required although it does make it significantly easier to read the diagram.
- ❖ **Activity final node.** The filled circle with a border is the ending point. An activity diagram can have zero or more activity final nodes.
- ❖ **Activity.** The rounded rectangles represent activities that occur.
- ❖ **Flow/edge.** The arrows on the diagram. Although there is a subtle difference between flows and edges I have never seen a practical purpose for the difference although I have no doubt one exists. I'll use the term flow.
- ❖ **Fork.** A black bar with one flow going into it and several leaving it. This denotes the beginning of parallel activity.
- ❖ **Join.** A black bar with several flows entering it and one leaving it. All flows going into the join must reach it before processing may continue. This denotes the end of parallel processing.
- ❖ **Decision.** A diamond with one flow entering and several leaving. The flows leaving include conditions although some modelers will not indicate the conditions if it is obvious.
- ❖ **Merge.** A diamond with several flows entering and one leaving. The implication is that one or more incoming flows must reach this point until processing continues, based on any guards on the outgoing flow.

3.4.1 Activity Diagram for User.

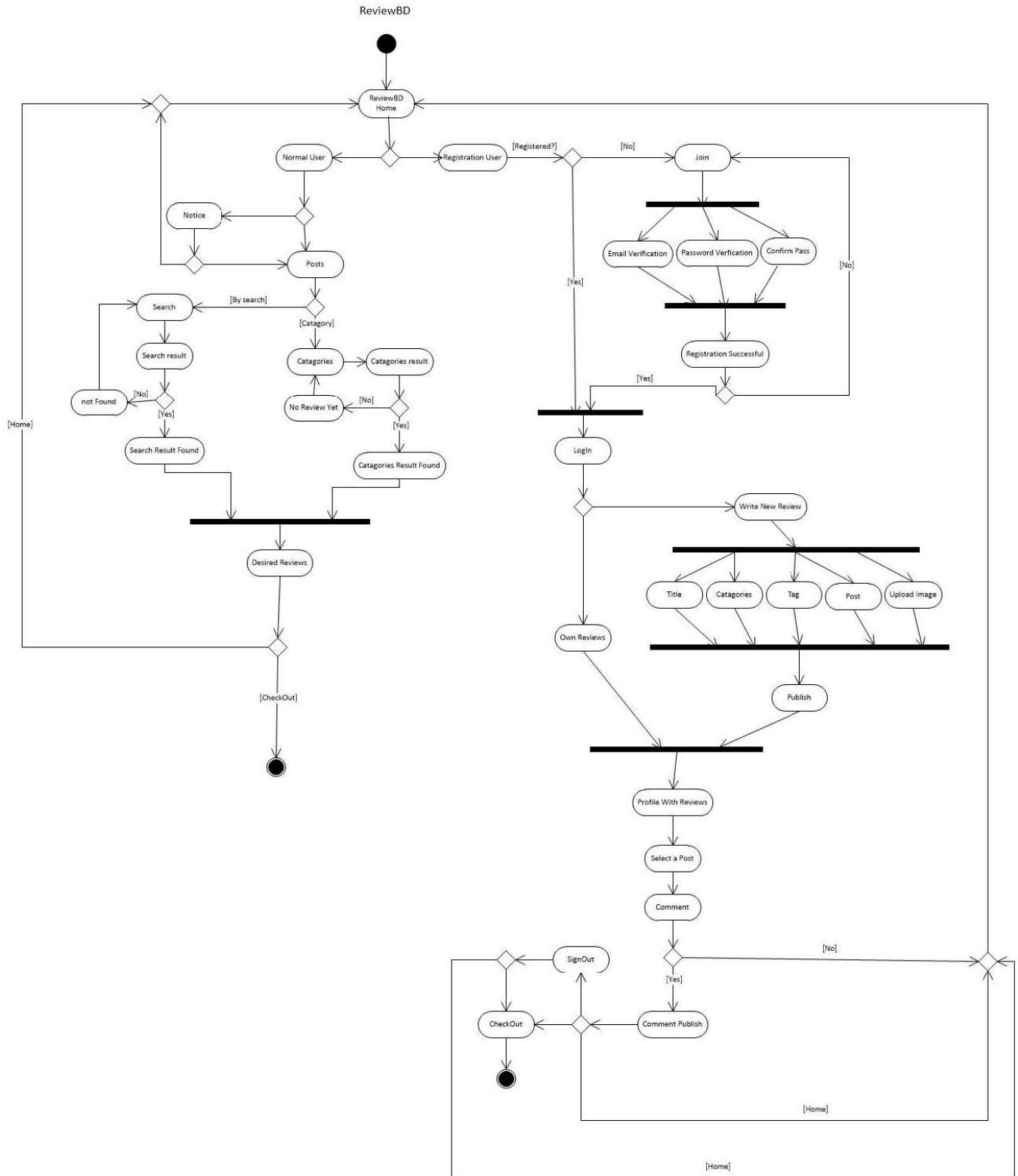


Fig 3.3: Activity Diagram for User Activities.

3.4.2 Activity Diagram for Admin:

Admin Panel

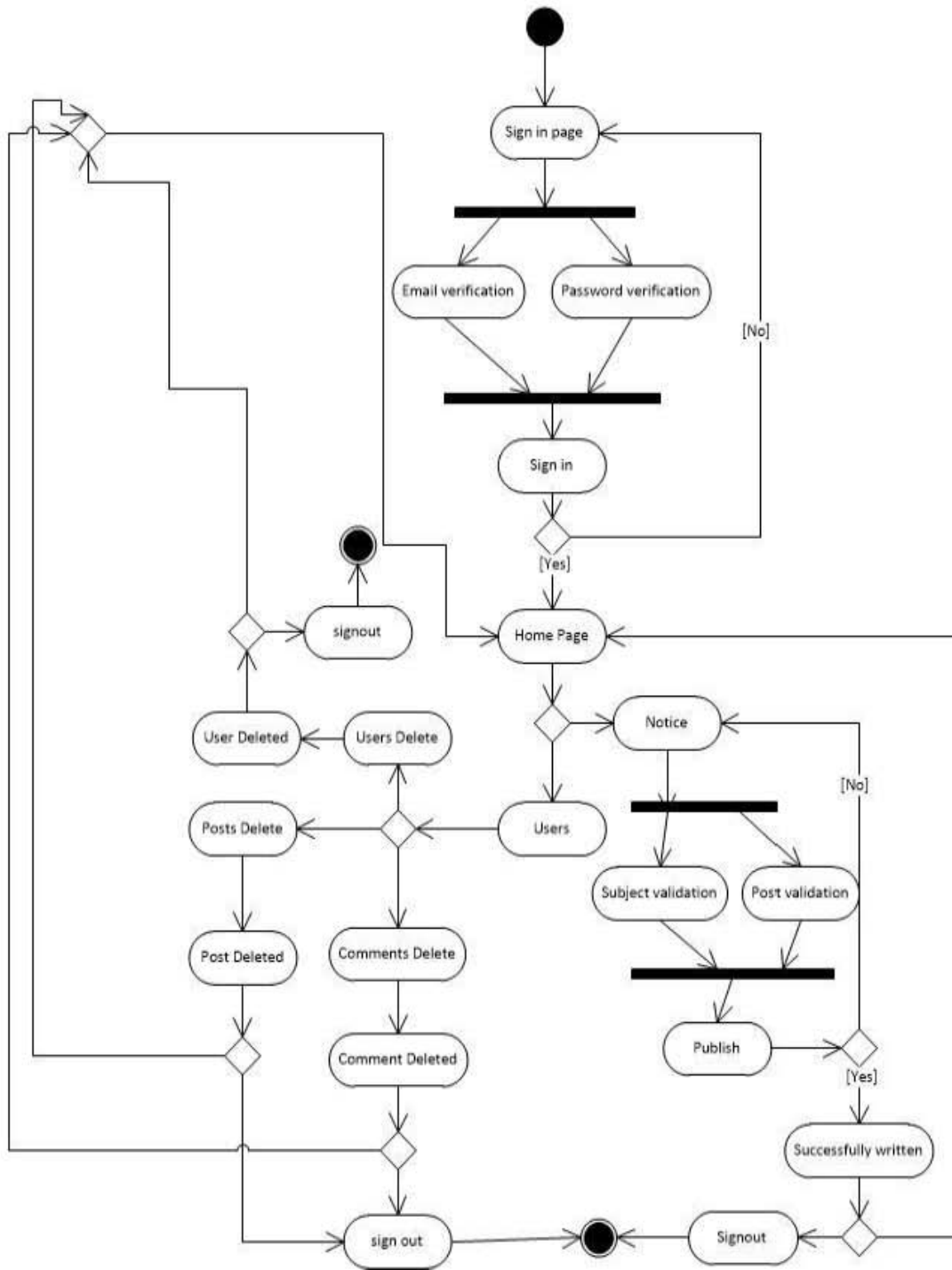


Fig 3.4: Activity Diagram for AdminActivities.

Description: This Activity diagram shows how the admin interact with different activities and how they jump one step to another step additionally come back to home page and sign out from the system.

3.5 Software Requirement:

To implement this web application any technologies that are used are open sources. We are discussing about them below.

3.5.1 HTML:

Html is a markup language for describing the web documents. In our website we use HTML5. Every web page you see on the Internet, including this one contains HTML code that helps format and show text and images in an easy to read format. Without HTML a browser would not know how to format a page and would only display plain text with no formatting that contained no links. [1]

3.5.2 CSS:

We use CSS3 to give our HTML a shape. CSS stands for cascading style sheet. [2]

3.5.3 BOOTSTRAP [Version: 2]:

Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web. Bootstrap makes front-end web development faster and easier. It's made for folks of all skill levels, devices of all shapes, and projects of all sizes. [3]

3.5.4 JavaScript:

JavaScript is the programming language of HTML and the Web Programming makes computers do what you want them to do. We use JavaScript for our dropdown menu using bootstrap. [4]

3.5.5 JQuery:

We used jQuery for our subcategories dropdown form. It is a framework of core JavaScript. [5]

3.5.6 PHP [Version: 5.4.16]:

PHP is probably the most popular scripting language on the web. It is used to enhance web pages. With PHP, you can do things like create username and password login pages, check details from a form, create forums, picture galleries, surveys, and a whole lot more. If you've come across a web page that ends in PHP,

Then the author has written some programming code to liven up the plain, old

HTML. PHP is known as a server-sided language. That's because the PHP doesn't get executed on your computer. But on the computer you requested the page from. The results are then handed over to you, and displayed in your browser. [6]

3.5.7 PHP CodeIgniter Framework [Version: 2.2.2]:

CodeIgniter is an Application Development Framework - a toolkit - for people who build web sites using PHP. Its goal is to enable to develop projects much faster than you could if you were writing code from scratch, by providing a rich set of libraries for commonly needed tasks, as well as a simple interface and logical structure to access these libraries. Code Igniter lets you creatively focus on your project by minimizing the amount of code needed for a given task. [7]

3.5.8 Apache Server (XAMPP)[Version: 1.8.2]:

The Apache HTTP Server, commonly referred to as Apache is a web server application notable for playing a key role in the initial growth of the World Wide Web. Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation. Most commonly used on a Unix-like system, the software is available for a wide variety of operating _____ systems, including Unix, FreeBSD, Linux, Solaris, Novell NetWare, OS X, Microsoft Windows, OS/2, TPF, OpenVMS and eComStation. Released under the Apache License, Apache is open-source software.

3.5.9Text-Editor (Sublime Text)[Version: 2.0.2]:

Sublime Text is the web development tool that lets you efficiently design, develop and maintain standards-based websites and applications. Sublime text provides a powerful combination of visual layout tools, application development features, and code editing support.

3.5.10 MySQL [Version: 5.6.16]:

MySQL is an open-source relational database management system (RDBMS). In July 2013, it was the world's second most widely used RDBMS, and the most widely used open-source client–server RDBMS. It is named after co-founder Michael Widenius's daughter, my. The SQL acronym stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. We used MySQL for our database management system. [8]

3.6 Database Design:

We have total 5 database tables. They are given below.

3.6.1 List of all tables:

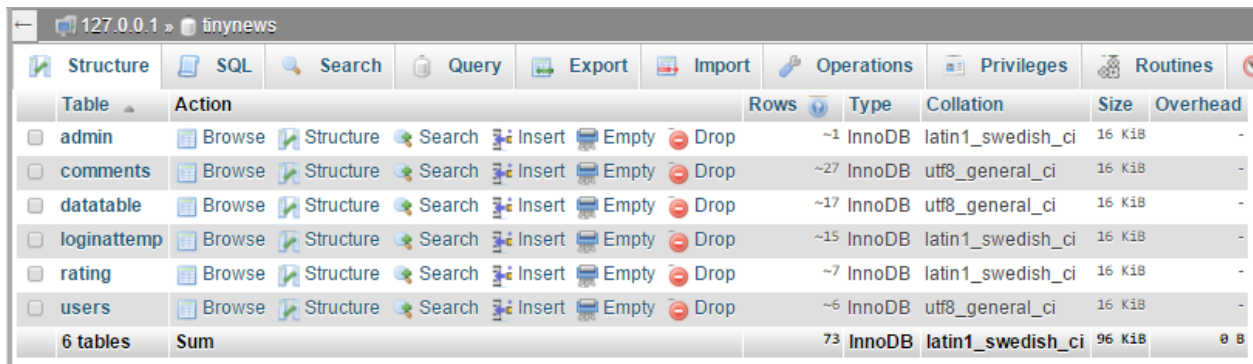
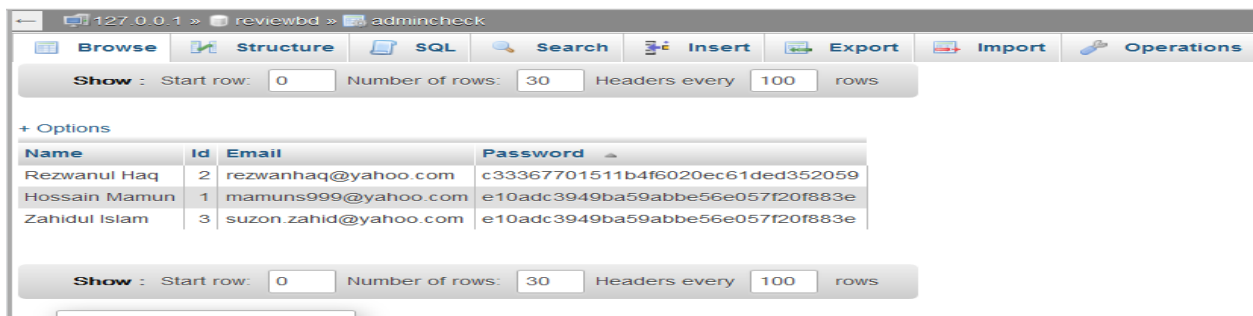


Table	Action	Rows	Type	Collation	Size	Overhead
admin	Browse Structure Search Insert Empty Drop	~1	InnoDB	latin1_swedish_ci	16 KiB	-
comments	Browse Structure Search Insert Empty Drop	~27	InnoDB	utf8_general_ci	16 KiB	-
datatable	Browse Structure Search Insert Empty Drop	~17	InnoDB	utf8_general_ci	16 KiB	-
loginattemp	Browse Structure Search Insert Empty Drop	~15	InnoDB	latin1_swedish_ci	16 KiB	-
rating	Browse Structure Search Insert Empty Drop	~7	InnoDB	latin1_swedish_ci	16 KiB	-
users	Browse Structure Search Insert Empty Drop	~6	InnoDB	utf8_general_ci	16 KiB	-
6 tables	Sum	73	InnoDB	latin1_swedish_ci	96 KiB	0 B

Fig 3.5: All tables of Tiny News database.

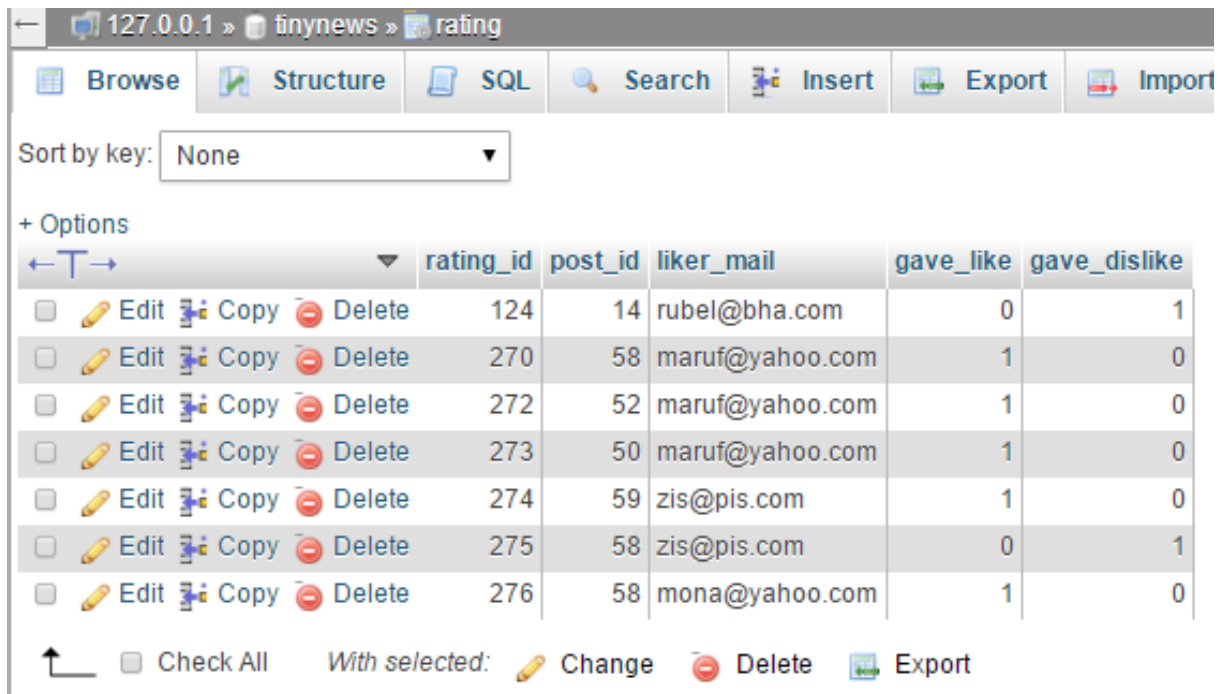
3.6.2 Admin table:



Name	Id	Email	Password
Rezwanul Haq	2	rezwanhaq@yahoo.com	c33367701511b4f6020ec61ded352059
Hossain Mamun	1	mamuns999@yahoo.com	e10adc3949ba59abbe56e057f20f883e
Zahidul Isiam	3	suzon.zahid@yahoo.com	e10adc3949ba59abbe56e057f20f883e

Fig 3.6: This is admin table containing admin information.

3.6.3 Sign Up Table:



The screenshot shows a database management interface for a table named 'rating'. The interface includes a toolbar with options like Browse, Structure, SQL, Search, Insert, Export, and Import. Below the toolbar, there is a 'Sort by key' dropdown menu set to 'None'. The table itself has the following columns: rating_id, post_id, liker_mail, gave_like, and gave_dislike. Each row in the table includes a checkbox and three action buttons: Edit, Copy, and Delete. At the bottom of the table, there are controls for 'Check All', 'With selected:' (Change, Delete), and 'Export'.

	rating_id	post_id	liker_mail	gave_like	gave_dislike
<input type="checkbox"/> Edit Copy Delete	124	14	rubel@bha.com	0	1
<input type="checkbox"/> Edit Copy Delete	270	58	maruf@yahoo.com	1	0
<input type="checkbox"/> Edit Copy Delete	272	52	maruf@yahoo.com	1	0
<input type="checkbox"/> Edit Copy Delete	273	50	maruf@yahoo.com	1	0
<input type="checkbox"/> Edit Copy Delete	274	59	zis@pis.com	1	0
<input type="checkbox"/> Edit Copy Delete	275	58	zis@pis.com	0	1
<input type="checkbox"/> Edit Copy Delete	276	58	mona@yahoo.com	1	0

Fig 3.7: This table contains all information of users.

3.6.4 Posts Table

	id	tbtitle	tbarticle	tbcategory	tbimage	tbtime	tbuv	tbdv
<input type="checkbox"/>	14	Post 1	Amaar nam anoar loke bole janoar	Bangladesh	badminpanel/img/21827563af0f7ad9a7.png	9:13 pm.November 4, 2015	10	1
<input type="checkbox"/>	15	Post 2	amar ei ontor ta sudhu je tomar dekhabo kemone bla...	International	badminpanel/img/21827563af0f7ad9a7.png	9:14 pm.November 4, 2015	0	0
<input type="checkbox"/>	16	post 3	keno megh ase hridoyo akase 2mre vulite dey na bla...	Economy	badminpanel/img/21827563af0f7ad9a7.png	9:15 pm.November 4, 2015	0	0
<input type="checkbox"/>	17	post 4	sei tumi keno eto ocena hole sei ami keno 2mk dukk...	Sports	badminpanel/img/21827563af0f7ad9a7.png	9:16 pm.November 4, 2015	0	0
<input type="checkbox"/>	18	post image	image etokkhon upload hoitesilo ekhon hoy na. mej...	LifeStyle	badminpanel/img/21827563af0f7ad9a7.png	9:59 pm.November 4, 2015	0	0
<input type="checkbox"/>	43	mejaj bila	2mr oi mon take ekta dhulo makha dail kore dao	Technology	badminpanel/img/21827563af0f7ad9a7.png	12:02 pm.November 5, 2015	0	0
<input type="checkbox"/>	50	afa	dfsdfsdf	International	badminpanel/img/3325563b00e0044c0.png	1:10 pm.November 5, 2015	1	0
<input type="checkbox"/>	51	Lorem ipsum	Lorem ipsum dolor sit amet, consectetur adipiscing...	Bangladesh	badminpanel/img/28420563bae254a27b.jpg	1:29 am.November 6, 2015	0	0
<input type="checkbox"/>	52	Aenean eros	Aenean eros erat, tincidunt quis justo at, malesu...	International	badminpanel/img/19954563bae5ba951c.png	1:30 am.November 6, 2015	1	0
<input type="checkbox"/>	53	Vivamus hendrerit	Vivamus hendrerit, arcu mattis bibendum lobortis,...	Economy	badminpanel/img/2322563bae9e9a3a6.JPG	1:31 am.November 6, 2015	0	0
<input type="checkbox"/>	54	Ut blandit	Ut blandit lectus blandit, pharetra libero eget, ...	Sports	badminpanel/img/474563ba6ae628b.JPG	1:35 am.November 6, 2015	0	0
<input type="checkbox"/>	55	2MB theke Upload size 10 MB korlam	Cras ornare neque turpis, sit amet finibus dolor ...	Sports		1:39 am.November 6, 2015	0	0

Fig 3.8: This table contains all posts of the website.

3.6.5 Comments Table:

	comment_id	post_id	comment_name	comment_email	comment	time
<input type="checkbox"/> Edit Copy Delete	1	56	adasd	s@s.com	asdsd	1:11 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	2	56	sdfsdf	s@s.com	dfsdfsdf	1:15 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	3	56	sdf	s@s.com	asdasd	1:15 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	4	58	cccc	s@s.com	asdasdsd	1:16 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	5	58	cccc	s@s.com	asdasdsd	1:21 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	6	58	cccc	s@s.com	asdasdsd	1:22 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	7	43	wow	s@s.com	wow die ki hobe khida lagse	1:27 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	8	43	wow	s@s.com	wow die ki hobe khida lagse	1:27 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	9	43	dsdfsdf	sdfsdfsdf@sss.com	dfsdfsdf	1:29 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	10	16	comment	comment@yahoo.com	its the tiime to disco	1:31 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	11	16	disco	disco@yahoo.com	its the timme to disco again	1:31 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	12	16	disco	disco@yahoo.com	its the timme to disco again	1:32 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	13	16	asd	s@s.com	asdasd	1:35 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	14	15	hello	123@ss.com	123	1:40 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	15	15	asdasd	asdasd@asdasd	asdasdasd	1:40 pm.November 6, 2015
<input type="checkbox"/> Edit Copy Delete	16	58		zis@pis.com	good job	3:15 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	17	58	rubel	rubel@bha.com	another good job	3:30 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	18	50	Maruf	maruf@yahoo.com	Well done buddy	6:07 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	19	59	Suzon	zis@pis.com	Well done	11:32 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	20	59	Suzon	zis@pis.com		11:32 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	21	59	Suzon	zis@pis.com		11:33 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	22	59	Suzon	zis@pis.com		11:34 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	23	59	Suzon	zis@pis.com		11:34 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	24	59	Suzon	zis@pis.com		11:34 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	25	58	Suzon	zis@pis.com		11:34 pm.November 7, 2015
<input type="checkbox"/> Edit Copy Delete	26	58	Suzon	zis@pis.com		11:35 pm.November 7, 2015

Fig 3.9: This table contains all comments using POST_ID.

Chapter 4: Design Specification

4.1 Interface:

In information technology, the user interface (UI) is everything designed into an information device with which a human being may interact. We design our website user friendly. This website is fully responsive for mobile users.

4.2 User Interface:

4.2.1 Home Page:

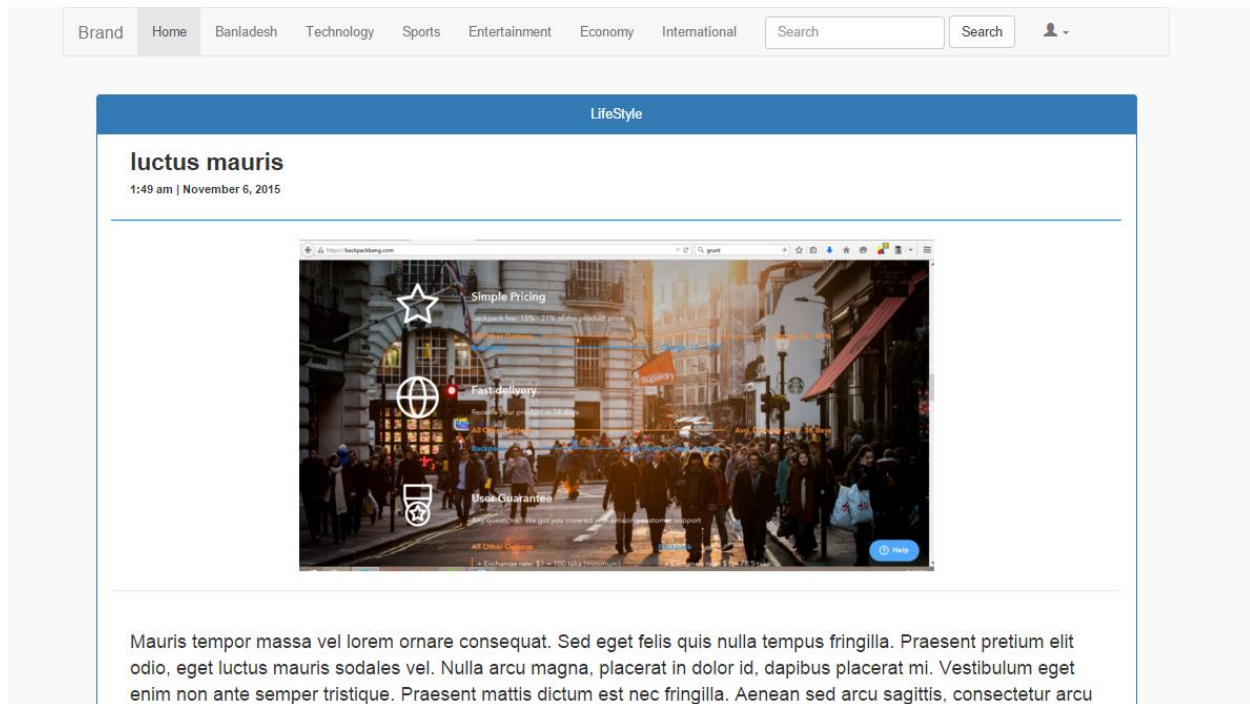


Fig 4.1: Home Page

4.2.2 Login Page:

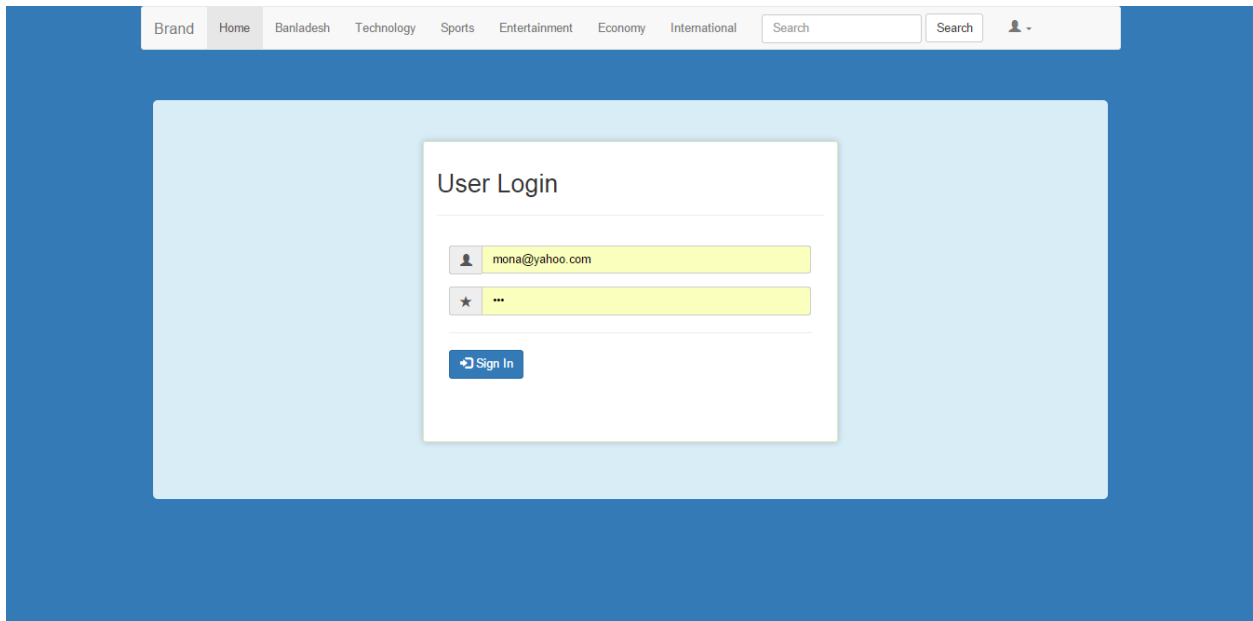


Fig 4.3: Login Page

4.2.4 Signup Page:

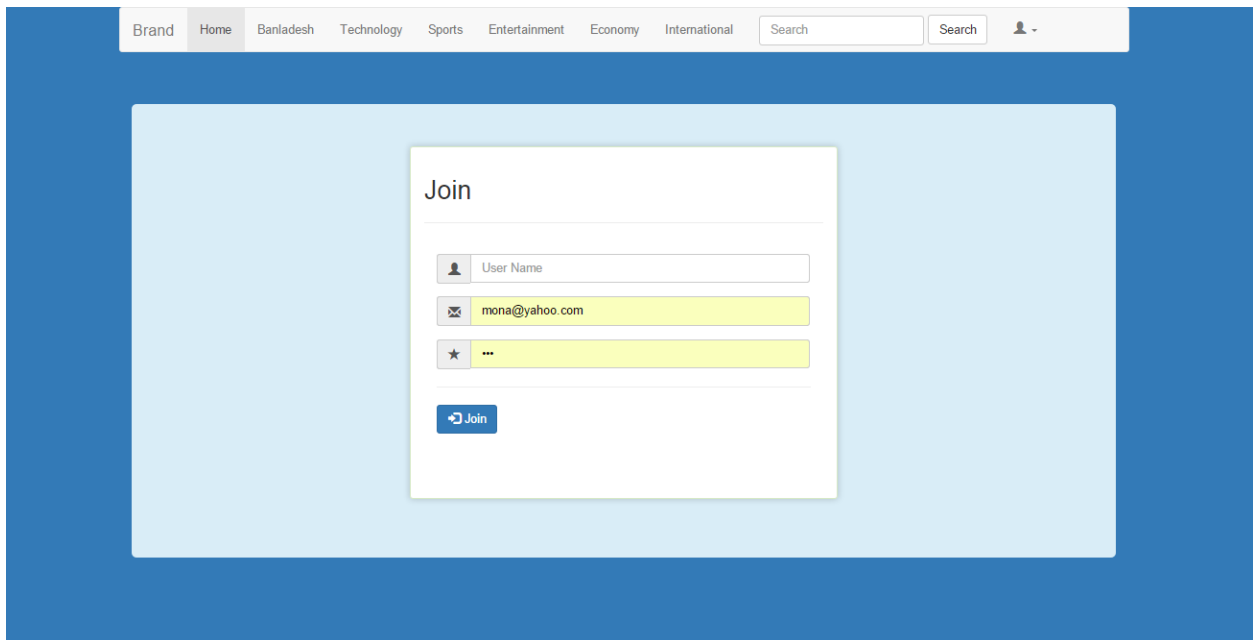
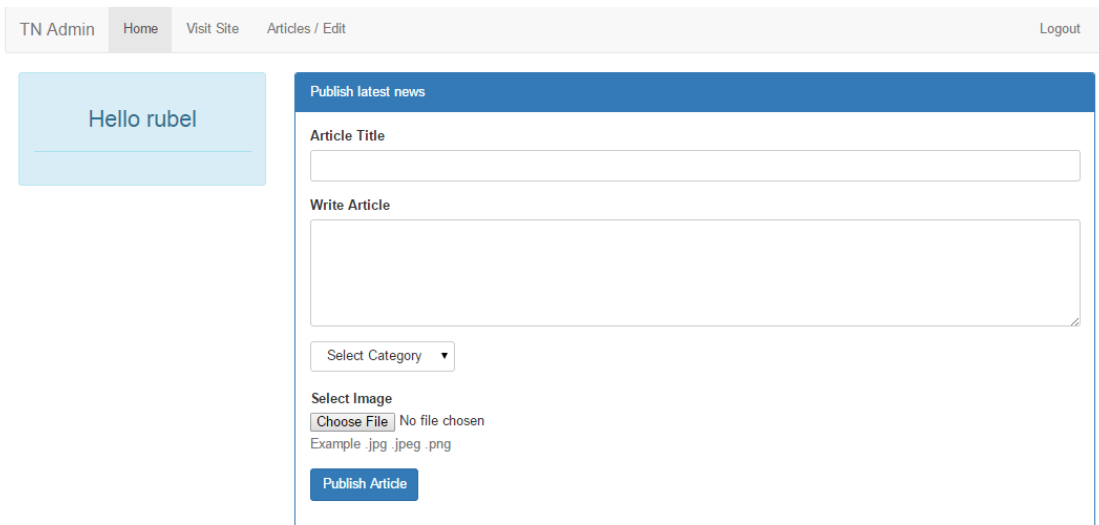


Fig 4.4: Signup Page

4.2.7 New news:



The screenshot shows a web application interface for publishing news. At the top, there is a navigation bar with links for 'TN Admin', 'Home', 'Visit Site', and 'Articles / Edit', along with a 'Logout' button. Below the navigation bar, there is a light blue box containing the text 'Hello rubel'. To the right, there is a form titled 'Publish latest news'. The form contains the following fields and elements:

- Article Title:** A text input field.
- Write Article:** A large text area for writing the article content.
- Select Category:** A dropdown menu.
- Select Image:** A section with a 'Choose File' button, the text 'No file chosen', and an example of supported file types: 'Example .jpg .jpeg .png'.
- Publish Article:** A blue button to submit the article.

Fig 4.7: New News

4.2.8 Category Wise Post:

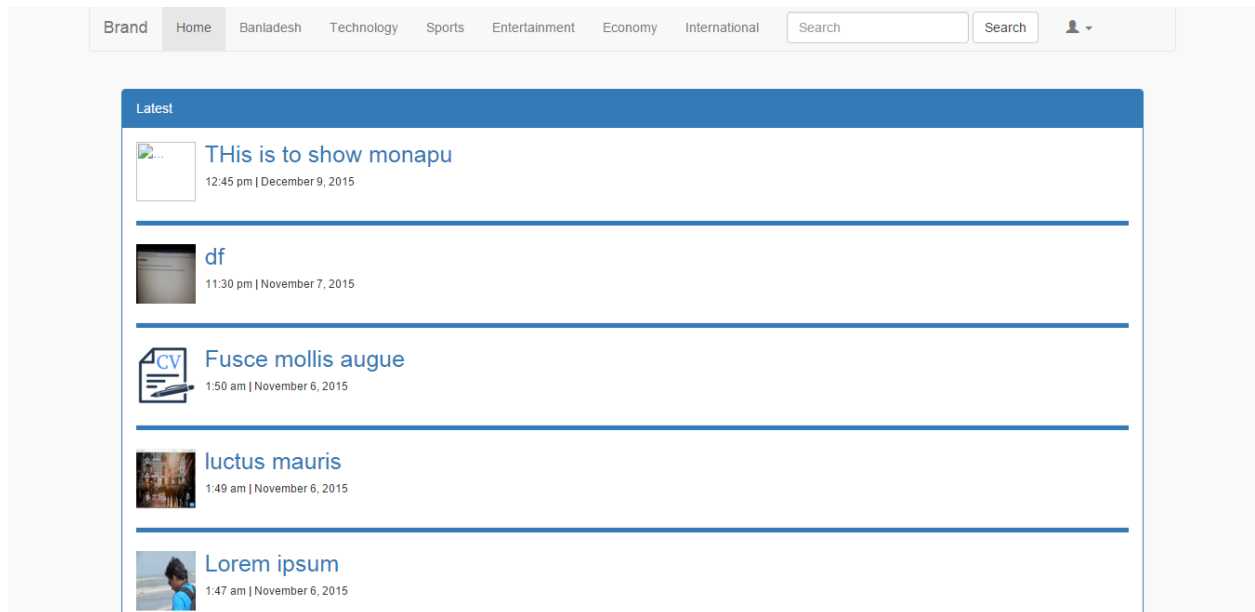


Fig 4.8: Category Wise Post

4.2.10 Comment:

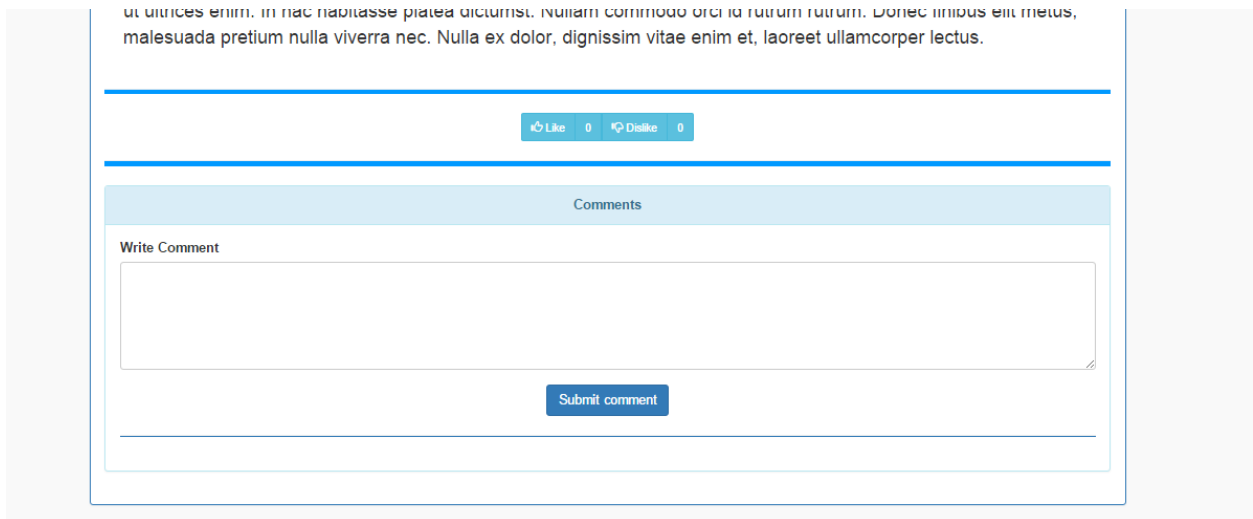


Fig 4.10: Comment

4.2.12 Admin Sign in:

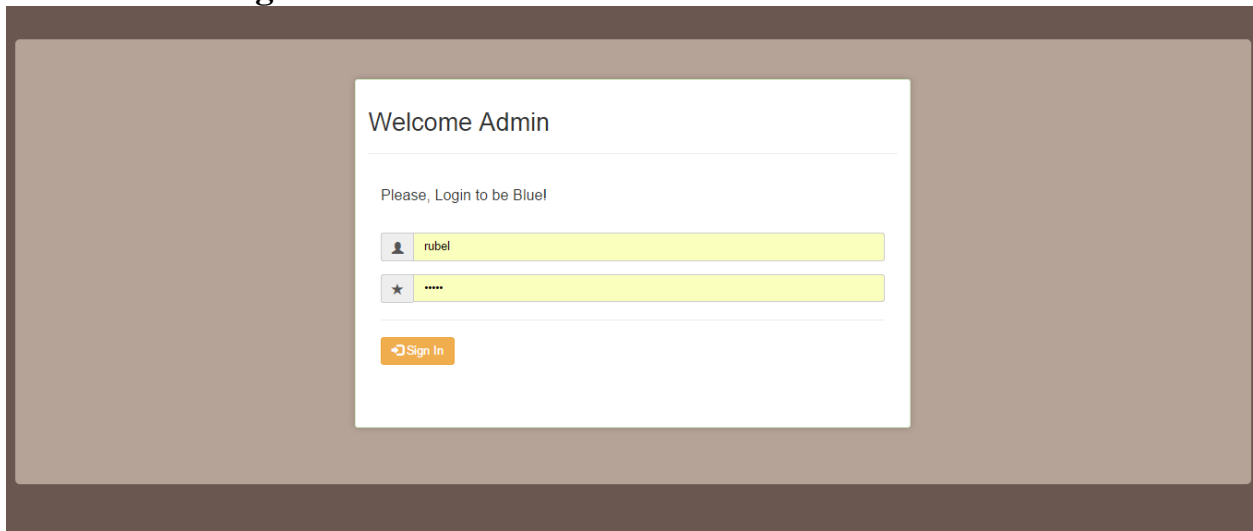


Fig 4.12: Admin Sign in

Chapter 5: APPENDIX

In MVC framework we have Model for database, View for user view and Controller to control Model and View. Here we are showing the main function of the control.

5.1 Home Page:

```
<?php include "sessionforadmin.php";
  if( login_check() ) { //session verify to show this page Start
  ?>
<html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<!-- The above 3 meta tags *must* come first in the head; any other head content
must come *after* these tags -->
<title>Tiny News | Welcome Admin Sir</title>

<!-- Bootstrap -->
<link href=" ../css/bootstrap.min.css" rel="stylesheet">

<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media
queries -->
<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
<!--[if lt IE 9]>
<script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
<![endif]-->
</head>
<body>
<div class="container">
<div class="row">
<nav class="navbar navbar-default">
<div class="container-fluid">
<!-- Brand and toggle get grouped for better mobile display -->
```

```
<div class="navbar-header">
<button type="button" class="navbar-toggle collapsed" data-toggle="collapse"
data-target="#bs-example-navbar-collapse-1" aria-expanded="false"><span
class="sr-only">Toggle navigation</span><span class="icon-bar"></span><span
class="icon-bar"></span><span class="icon-bar"></span></button>
<a class="navbar-brand" href="#">TN Admin</a></div>
```

```
<!-- Collect the nav links, forms, and other content for toggling -->
<div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
<ul class="nav navbar-nav">
<li class="active"><a href="home.php">Home <span class="sr-
only">(current)</span></a></li>
<li><a href=" ../index.php">Visit Site</a></li>
<li><a href="#">Articles / Edit</a></li>
</ul>
<ul class="nav navbar-nav navbar-right">
<?php if( login_check() ) { ?>
<li><a href="logout.php">Logout</a></li>
<?php } else { }?>
</ul>
</div>
<!-- /.navbar-collapse -->
</div>
<!-- /.container-fluid -->
</nav>
</div>
<div class="row">
<div class="col-md-3">
<div class="alert alert-info" role="alert">
<h3 align="center">Hello <?php echo $_SESSION['admin']; ?></h3>
<hr>
</div>
</div>
<div class="col-md-9" >

<!-- php code comes here -->

<div class="panel panel-primary">
<div class="panel-heading">Publish latest news</div>
<div class="panel-body">
```



```

<?php

if(isset($_POST['publish']))
{
    include "../connection.php";

        // working with image file start
    $my_image_name = $_FILES['myimage']['name'];
    $my_image_type = $_FILES['myimage']['type'];
    $my_image_size = $_FILES['myimage']['size'];
    $my_image_tmp_name = $_FILES['myimage']['tmp_name'];

    /*    if($my_image_name === "")
        {
            echo "<script>alert('Upload an file!');</script>";
        }*/

    if($my_image_size!=NULL && $my_image_size >
5000000){ //5MB
        echo "<script>alert('Image is too
large!');</script>";

        header("Refresh:1; url=home.php");
        exit;
    }

    if(in_array($my_image_type , array("jpg","jpeg","png"))){
        echo "<script>alert('Only Jpeg, Jpg and png
allowed!');</script>";

        header("Refresh:1; url=home.php");
        exit;
    }

    else {
        $type = explode('.',
$_FILES["myimage"]["name"]);
        $type = $type[count($type)-1];

        $newfilename=uniqid(rand()).".$type;

```

```

        $url = "badminpanel/img/".$newfilename;
        //$uploads_dir = 'img/';

    move_uploaded_file($_FILES['myimage']['tmp_name'], "img/$newfilename"
);

        echo "Success!";
    }

    // working with image file end

    $my_title = $_POST['mytitle'];
    $my_article = $_POST['myarticle'];
    $my_category = $_POST['mycategory'];

    //date
    $my_time = new DateTime('now', new
DateTimezone('Asia/Dhaka'));
    $mt = $my_time->format('g:i a.F j, Y');

    $sql = "INSERT INTO datatable ". "(id, tbtitle, tbarticle, tbcategory,
tbimage, tbtime, tbuv, tbdv) ". "VALUES('id','$my_title','$my_article',
'$my_category', '$url','$mt' , 0,0)";

    mysql_select_db('mytinynewsdb');
    $retval = mysql_query( $sql, $conn );

    if(! $retval )
    {
        echo '
                <div class="alert alert-warning alert-success"
role="alert">
                <button type="button" class="close" data-dismiss="alert" aria-
label="Close"><span aria-hidden="true">&times;</span></button>
                <strong>Failed!</strong> Post is not published! ';

        die('Could not enter data: ' . mysql_error());
    }

```

```

        echo '
        Problem is:
    </div>
    ';

}

echo '
    <div class="alert alert-success alert-success" role="alert">
    <button type="button" class="close" data-dismiss="alert" aria-
label="Close"><span aria-hidden="true">&times;</span></button>
    <strong>Success!</strong> Your Post Published Successfully!
Redirecting..
    </div>
    ';
    //header("Refresh:14; url=home.php");

    mysql_close($conn);
}

else
{
    ?>
<form method="post" action="<?php $_PHP_SELF ?>" enctype="multipart/form-
data">
<div class="form-group">
<label for="exampleInputEmail1">Article Title</label>
<input class="form-control" name="mytitle" required />
</div>
<div class="form-group">
<label for="exampleInputEmail1">Write Article</label>
<textarea class="form-control" rows="5" name="myarticle" placeholder="Write
Article" required ></textarea>
</div>
<div class="dropdown">
<select name="mycategory" class="btn btn-default dropdown-toggle"
type="button" id="dropdownMenu1" data-toggle="dropdown" aria-
haspopup="true" aria-expanded="true">

```

```
<ul class="dropdown-menu" aria-labelledby="dropdownMenu1">
<li>
<option value="NoCat">Select Category</option>
</li>
<li>
<option value="Bangladesh">Bangladesh</option>
</li>
<li>
<option value="International">International</option>
</li>
<li>
<option value="Economy">Economy</option>
</li>
<li>
<option value="Sports">Sports</option>
</li>
<li>
<option value="Technology">Technology</option>
</li>
<li>
<option value="LifeStyle">LifeStyle</option>
</li>
</ul>
</select>
</div>
<div class="form-group" style="margin-top: 20px">
<label for="exampleInputFile">Select Image</label>
<input type="file" id="fileToUpload" name="myimage">
<p class="help-block">Example .jpg .jpeg .png</p>
</div>
<input type="submit" name="publish" class="btn btn-primary" style="margin-top:
20px;" value="Publish Article">

<!--
    <div class="alert alert-success alert-success" role="alert">
    <button type="button" class="close" data-dismiss="alert" aria-
label="Close"><span aria-hidden="true">&times;</span></button>
    <strong>Success!</strong> Your Post Published Successfully!
    </div>
    <div class="alert alert-warning alert-success" role="alert">
```

```

        <button type="button" class="close" data-dismiss="alert" aria-
label="Close"><span aria-hidden="true">&times;</span></button>
        <strong>Failed!</strong> Post is not published! Problem is:
        </div>
    -->
</form>
<?php
    }

    ?>
</div>
</div>
</div>

```

```

<!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
<!-- Include all compiled plugins (below), or include individual files as needed -->
<script src="../js/bootstrap.min.js"></script>
</body>
</html>
<?php } else echo "Bair ho eikhan theke. Eita only admin er jonno -_-"; //session
verify to show this page END?>

```

5.2 Login Page:

```

public function login()
    {
        $data['title']='Login';
        $this->load->view('login/login',$data);
    }
public function login_validation()
    {
        $this->load->library('form_validation');
        $this->form_validation-
>set_rules('email','Email','required|trim|xss_clean|callback_validate_credentials');
//xss prevent cross site scripting (hack er jonno use kore cross site scripting)
        $this->form_validation-
>set_rules('password','Password','required|md5|trim');

```

```

if($this->form_validation->run())
{
    //Setting up the SESSION DATA

    $mail = $this->input->post('email');
    //$this->profile($mail);
    $sql = "SELECT name from signup WHERE email =
    ".$mail." LIMIT 1";
    $result = $this->db->query($sql);

    29

    $row = $result->row();

    $data=array(
    'email' => $this->input->post('email'),
    'name'     => $row->name,
    'is_logged_in' => 1

    );
    $this->session->set_userdata($data);
    redirect('site');
}
else{
    $this->load->view('login/login');
}

}

```

5.3 Signup:

```

public function signup() //=====>> SIGN UP
{
    $this->load->view('signup/signup');
}
public function signup_validation()
{
    $this->load->library('form_validation');
    $this->form_validation-
    >set_rules('email','Email','required|trim|valid_email|is_unique[signup.email]');
}

```

```
$this->form_validation->set_rules('password','Password','required|trim');
```

```
$this->form_validation->set_rules('cpassword','Confirm Password','required|trim|matches[password]');
```

```
$this->form_validation->set_message('is_unique', 'The given email address already exists.');
```

30

```
if($this->form_validation->run()){  
  
    $this->load->model('model_users');  
  
    if($this->model_users->add_user()  
        {  
        /*echo "hi ".$this->input->post('name')." Registered  
successfully" ;*/  
        echo"<script language='javascript'>  
alert('Registration Successfull! Please Login...');  
window.location.href = 'login';  
</script>  
";  
        }  
    else  
        {  
        echo "Registration failed";  
        }  
  
    }else{  
        $this->load->view('signup/signup');  
    }  
}
```

5.4 Logout:

```
public function logout(){
    $this->session->sess_destroy();
    redirect('site');
}
```

5.5 Profile:

```
public function profile(){
    if($this->session->userdata('is_logged_in')){
        $this->load->model('model_users');
        $data = $this->model_users->show_pp();
        //print('/uploads/'. $data);
        $img = base_url(). $data;
        $table_data['allposts'] = $this->model_users->get_user_posts();
        $pass_the_img = array('img' => $img);
        $data = array_merge($pass_the_img, $table_data);

        $this->load->view('profile/profile', $data);
    }
    else{
        echo "You are not authorized...";
    }
}

public function save_pp(){
    $url = $this->do_upload();
    $this->load->model('model_users');
    if(!$this->model_users->save_pp_model($url))
    {
        echo "Uploaded successfully" ;
        redirect('site/profile');
    }
    else
    {
```



```

        echo "Upload failed";
    }

}

private function do_upload(){

    $type = explode('.', $_FILES["pic"]["name"]);
    $type = $type[count($type)-1];
    $url = "./images/pp/" . uniqid(rand()) . '.' . $type;
    if(in_array($type, array("jpg", "jpeg", "gif", "png"))){
        if(is_uploaded_file($_FILES["pic"]["tmp_name"])){

if(move_uploaded_file($_FILES["pic"]["tmp_name"], $url))
        {
            return $url;
        }
        }
        return "";
    }
}

function show_pp()
{
    $this->load->model('model_users');
    $data = $this->show_pp();
}

```

5.6 Write New Review:

```
public function write_new_blog(){
    if($this->session->userdata('is_logged_in')){
        $this->load->view('newblog/newblog');
    }
    else echo "You are not authorized to see this page. Please login!";
}

public function post_new_blog(){
    $this->load->library('form_validation');
    $this->form_validation->set_rules('blog_post','Post','required');
    $this->form_validation->set_rules('blog_title','Title','required|trim');
    $this->form_validation->set_rules('tag','Tag','required');
    $this->form_validation->set_rules('categories','Categories','required');
    if($this->form_validation->run()){
        $post_img_url = $this->post_img_do_upload();

        $this->load->model('model_users');
        if($this->model_users->write_new_post($post_img_url))
        {
            echo " Your post has been published successfully" ;
            redirect('site/profile/profile');
        }
    }
    else
    {
        $this->load->view('newblog/newblog');
    }
}

private function post_img_do_upload(){

    $type = explode('.', $_FILES["pic"]["name"]);
    $type = $type[count($type)-1];
    $url = "./images/postimgs/" . uniqid(rand()) . '.' . $type;
    if(in_array($type, array("jpg", "jpeg", "gif", "png"))){
```

```

        if(is_uploaded_file($_FILES["pic"]["tmp_name"])){
            if(move_uploaded_file($_FILES["pic"]["tmp_name"], $url))
                {
                    return $url;
                }
        }
    }
}

```

34

```
return "";
```

```
}
```

```
}
```

5.7 Categorical Post:

```

public function categorial_post(){
    $data['category_name'] = $_GET['category_name'];
    $for_categor_page_title = $_GET['category_name'];
    $this->load->model('model_users');
    $table_data_category['allposts'] = $this->model_users-
    >model_for_category_post($data);

    $this->load->view('category_post/categorial_post',
    $table_data_category);
}

```

5.8 Viewing a complete post:

```

public function full_post(){
    $data['postID'] = $_GET['post_id']; // home page
    theke URL er maddhome $post_id variable ta nie aschi
    $this->load->model('model_users');

    $whole_single_post['single_post'] = $this-
    >model_users->get_whole_single_post($data);
    $sub_categories['sub_categories'] = $this-
    >model_users->get_sub_categories($data);
}

```

```

        $post_comments['all_comments'] = $this-
>model_users->get_all_comments($data);

        $pass_the_array_of_post_and_comments =
array_merge($whole_single_post, $post_comments, $sub_categories, $data);
        $this->load-
>view('post_view/post',$pass_the_array_of_post_and_comments);
    }

```

35

5.9 Comment:

```

public function publish_comments(){
        $this->load->model('model_users');
        $this->model_users->insert_comment();
    }

```

5.10 Report Count:

```

public function report_count(){
        $post_id = $_POST['report'];
        $value = 1;
        /*echo $post_id ; echo $value;*/
        echo"<script language='javascript'>
alert('Post Reported');
window.history.go(-1);

</script>
";
        $this->load->model('model_users');
        $this->model_users-
>update_post_report($value,$post_id);
    }

```

5.11 Search:

```
public function search(){    36
    $search_words = $_POST['search'];
    $search_words = trim($search_words);
    $splitting_search_words = explode(" ", $search_words);
    $this->load->model('model_users');
    $table_data_search['search_result'] = $this-
>model_users->search_function($splitting_search_words);
    $this->load->view('search/search', $table_data_search);
}
```

5.13 Home (Admin Panel):

```
public function index(){
    $this->load->model('admincheck_model');
    if($this->admincheck_model->is_admin_logged_in()){

        $total_user=$this->admincheck_model->user_count();
        $total_post=$this->admincheck_model->post_count();
        $data['cal']=$this->calendar->generate();
        $data['homepage']='homepage';
        $data['home']='Home';
        $data['userlist']=$total_user;
        $data['postcount']=$total_post;
    $this->load->view('dashboard_layout',$data);
    }
    else{
        $this->load->view('admin_view');
    }

}

public function validation(){

$this->form_validation->set_rules('email', 'Email', 'required|valid_email');
$this->form_validation->set_rules('pword', 'Password', 'required');
if ($this->form_validation->run() == FALSE)
{

$this->load->view('admin_view');
```

```

    }

else
    {

$result=$this->admincheck_model->admin_check();

        if($result){
            redirect('dashboard_con');
        }

        else{
            $data=array();
            $data['error_login']='Username or Password is invalid!';
            $this->load->view('admin_view',$data);
        }
    }
}

```

5.14 Logout (Admin Panel):

```

public function logout(){
    if($this->admincheck_model->is_admin_logged_in()){
        $this->session->unset_userdata('current_admin_id');
        $this->session->unset_userdata('current_admin_name');

        $this->session->sess_destroy();
        redirect('admin_con/?logout=success');
    }
    else{
        $this->load->view('admin_view');
    }
}

```

5.15 All Users(Admin Panel):

```
public function all_users(){
    $this->load->model('admincheck_model');
    $data['allUsers']='allUsers';
    $data['manage_users']='Users List';
    $data['allUserData']= $this->admincheck_model->all_user_list();
    $this->load->view('dashboard_layout',$data);
}
```

5.16 Delete User (Admin Panel):

```
public function user_delete($id){

    if ($this->admincheck_model->user_delete($id)) {
        redirect('dashboard_con/all_users');
    }
    else{
        redirect('dashboard_con');
    }

}
```

5.17 All Posts (Admin Panel):

```
public function all_posts(){
    $this->load->model('admincheck_model');
    $data['allPosts']='allPosts';
    $data['user_post']='Users Post';
    $data['allUserPost']= $this->admincheck_model->all_post_list();
    $this->load->view('dashboard_layout',$data);

}
#post delete
public function post_delete($id){

    if ($this->admincheck_model->post_delete($id)) {
```

```

        redirect('dashboard_con/all_posts');
    }
else{
        redirect('dashboard_con');
    }
}

```

5.18 All comments (Admin Panel):

```

#all Comments
public function all_comments(){
    $this->load->model('admincheck_model');
    $data['allComments']='allComments';
    $data['user_comment']='Users Comment';
    $data['allUserComment']= $this->admincheck_model-
>all_comment_list();
    $this->load->view('dashboard_layout',$data);
}
#comment delete
public function comment_delete($id){

    if ($this->admincheck_model->comment_delete($id)) {
        redirect('dashboard_con/all_comments');
    }
    else{
        redirect('dashboard_con');
    }
}
}

```


Chapter 6: Future Work

We will include lots of more categories based on user demands like book review and so on. Currently our database is not that dynamic, we will make it more efficient. However we will include email account verification. Because of 'localhost' SMTP protocol error, the email system is not working. We will include own rating system instead of **Facebook like API** so that we can use that to understand the user behavior using the data mining process. We will also build a monitoring system to see if a post is fraud or not.

Chapter 7: Conclusion

Bangladesh is a developing country. There are no online facilities to promote her own products by the consumers. We happen to see a lot of advertises of various products but they are busy in self-admiration. What is good what is bad is decided by the consumers. So if the consumers get the opportunity to tell what is good and what is bad, life would be so simple and the products companies will give more attention to make quality products. We are giving our users an online platform of “Word of Mouth” Marketing.

Reference

- [1] http://www.w3schools.com/html/html_basic.asp, July 20, 2015
- [2] http://www.w3schools.com/css/css_intro.asp, July 22, 2015
- [3] <http://getbootstrap.com/>, August 01, 2015
- [4] <http://www.w3schools.com/js/default.asp>, August 05, 2015
- [5] <http://www.w3schools.com/jquery/default.asp>, August 08, 2015
- [6] <http://www.php.net>, PHP: Hypertext Preprocessor, August 15, 2015
- [7] http://www.codeigniter.com/user_guide/general/controllers.html, sept18, 2015
- [8] <https://en.wikipedia.org/wiki/MySQL>, dec 30, 2015