

“Social Networking Website”

PROJECT REPORT

Submitted for the course: CSE3002 Internet and Web Programming

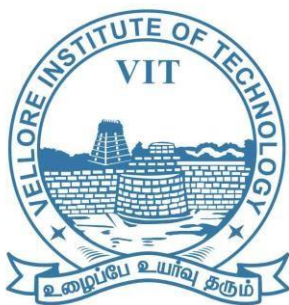
By:

Aditya Firoda – 16BCE2184

Slot – E1

Project Guide – Dr. Jayakumar K.

(School of Computer Science and Engineering)



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

OCTOBER 2018

CERTIFICATE

This is to certify that the project work entitled “**Social Networking Website**” that is being submitted by “**Aditya Firoda (16BCE2184)**” for CSE3002 Internet and Web Programming is a record of bonafide work done under my supervision. The contents of this Project work, in full or in parts, have neither been taken from any other source nor have been submitted for any other CAL course.

Place: Vellore

Date:

Signature of Student:

Signature of Faculty:

ACKNOWLEDGEMENTS

I take immense pleasure in thanking **Dr. G. Viswanathan**, my beloved Chancellor, VIT University and respected Dean, **Dr. R. Saravanan**, for having permitted me to carry out the project.

I express gratitude to my guide, **Dr. Jayakumar K**, for guidance and suggestions that helped me to complete the project on time. Words are inadequate to express my gratitude to the faculty and staff members who encouraged and supported me during the project.

Finally, I would like to thank my ever-loving parents for their blessings and my friends for their timely help and support.

Signature of Student

TABLE OF CONTENTS

S. No	Title	Page No.
	Abstract	5
1	Introduction	
	1.1 Problem Statement	7
	1.2 Objective	7
	1.3 Scope	8
	1.4 Technical Specification	8
2	System Specifications	9
	2.1 Hardware Specification	9
	2.2 Software Specification	9
3	Proposed System Design	10
	3.1 Introduction	11
	3.2 Module Description	12
	3.3 Architecture Diagram	18
	3.4 Data Flow Diagram	19
	3.5 Use Case Diagram	20
4	Result	20
	4.1 Database Schema	20
5	Conclusion	23
	References	25
	Appendix	26

TABLE OF FIGURES

Figure No.	Figure Name	Page No.
1	Sign In Page	12
2	Sign up Page	12
3	Footer of the Page	13
4	Photo Upload and Secret Question Module	14
5	Feed of User	15
6	Posting Module	16
7	Like and Comment Module	17
8	Profile Page	18
9	Search User Module	19
10	Architecture Diagram	20
11	Data Flow Diagram	21
12	Use Case Diagram	22

Abstract

Social networking sites allow users to communicate with people, share ideas, activities, events, and interests within their individual networks. Social network sites such as MySpace, Facebook, Orkut, and Google+ have attracted millions of users, many of whom have integrated these sites into their daily practices. There are hundreds of Social Networking Sites, with various technological affordances, supporting a wide range of interests and practices. Sites also vary in the extent to which they incorporate new information and communication tools, such as mobile connectivity, blogging, and photo/video-sharing.

This project will help the users in maintaining a profile like some websites such as Facebook but at the same time will have just one uniform feed which will cater to the needs of these users.

1. Introduction

1.1 Problem Statement

These days unlike before many social websites have come up and the main stream websites like Facebook, Quora etc do not cater to the needs of everyone. There has been long a demand for websites that run along a single page as discussion and with no separate pages for things so that people can find relevant content and also at the same time others can answer to their problems. For example, a lot of times when we share our problems, feelings and dilemma in life it does not get the right attention we seek as only a group of individuals from our friend list can see our post and it remains hidden to the audience who can actually answer such questions. All such problems provide an opportunity for a website that has a uniform feed with everyone able to see what the other user has posted and seeing their timeline.

1.2 Objective

The objective of the project is to explain and elaborate the concept of “Social Networking Sites” to the users, hence providing a reliable and efficient Communication online so as to assist users to afford it without much trouble.

- To have attractive and Secure Login page to access
- Make new user account in more user friendly and proper validation of details
- Search People easily on entire network
- Send Friend Request to other users to make friends
- Add friends to your friend box accept request
- Creating a public profile having social, professional and personal information
- Ease of editing of profile anytime
- Chat with Online friends
- Upload and Share Images on network
- Add, Search and shares videos of youtube
- Send messages to other friends
- Reply directly to incoming user messages

- Post Advertisement of products
- Administration page to keep eye on user operation
- Easily password recovery processing

1.3 Scope

The social networking website is an online community designed to make social life more active and stimulating. The social network can help you maintain existing relationships with people and share pictures and messages, and establish new ones by reaching out to people you've never met before.

This website also provides the features of blogging all at one place. The main idea behind blogging is to share your thoughts with all your friends which can be read by all the users using the website. This blog can be handled by the user as he wants for example adding videos and photos also.

This website enhances Advertisements of products. People using this website can buy and sell products from this website. The main purpose behind this Advertisement functionality will help people to buy products in trusted circle.

1.4 Technical Specification

o HTML

HTML5 is a markup language used for structuring and presenting content on the World Wide Web. It is the fifth and current major version of the HTML standard. It was published in October 2014 by the World Wide Web Consortium (W3C) to improve the language with support for the latest multimedia, while keeping it both easily readable by humans and consistently understood by computers and devices such as web browsers, parsers, etc. HTML5 includes detailed processing models to encourage more interoperable implementations; it extends, improves and rationalizes the markup available for documents, and introduces markup and application programming interfaces (APIs) for complex web applications. For the same reasons, HTML5 is also a candidate for cross-platform mobile applications, because it includes features designed with low-powered devices in mind.

o BootStrap

Bootstrap is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites.

o CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a

cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

- o Materialize CSS

MaterializeCSS is a modern responsive front-end framework based on Material Design. It was used while making the main menu layout of dashboard.

- o JavaScript

JavaScript often abbreviated as JS, is a high-level, interpreted programming language. It is a language which is also characterized as dynamic, weakly typed, prototype-based and multi-paradigm. Alongside HTML and CSS, JavaScript is one of the three core technologies of the World Wide Web. JavaScript enables interactive web pages and thus is an essential part of web applications.

- o NodeJS

Node.JS ® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, npm, is the largest ecosystem of open source libraries in the world.

- o jQuery

jQuery is a cross-platform JavaScript library designed to simplify the client-side scripting of HTML. Web analysis indicates that it is the most widely deployed JavaScript library by a large margin. jQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications. jQuery also provides capabilities for developers to create plug-ins on top of the JavaScript library. This enables developers to create abstractions for low-level interaction and animation, advanced effects and high-level, themeable widgets

2. System Specification

2.1 Hardware Specifications

- Processor Name: Dual Core
- Processor Speed: 3.2 GHz
- RAM: 1 GB
- Hard Disk Capacity: 80 GB
- Display Device: 14' to 19' Inch Monitor
- Keyboard Type: PS2 or USB
- Mouse Type: PS2 or USB

2.2 Software Specifications

2.2.1 For Website

- Technology Implemented: Apache Server
- Language Used: PHP 5.2
- Database: My SQL 5.2
- User Interface Design: HTML, AJAX
- Web Browser: Mozilla, IE8

2.2.2 For Software Product

- Operating System: Windows XP/ Windows 7/ Linux
- Programming Language: PHP
- Software: XAMPP Server

3. Proposed System Design

3.1 Introduction

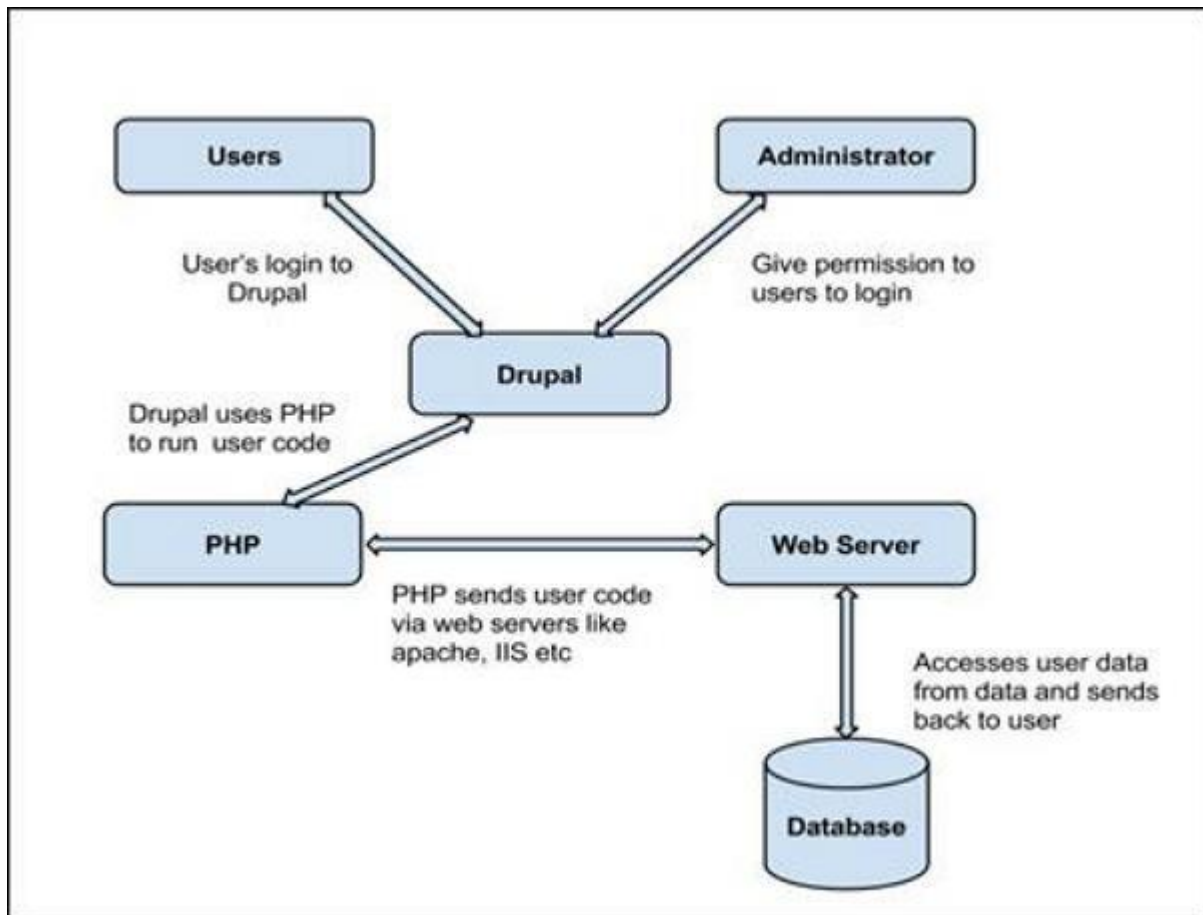
An advanced editor – notepad ++ will be used to develop a web page using HTML, CSS, JAVASCRIPT. The back end comprises of maintaining individual profile using PHP and SQL with the help of Xampp (apache server). Integrating front end and back end to a full stack designing of the web page.

With the help of CSS3 user interactive interfaces will be developed and HTML5 form elements will be employed for a legitimate sign-up and login form. The laptop itself will act as a server through XAMPP software which runs APACHE server on the local disk. Several webpages to a common homepage. Dropdowns, navigation bar, image map and image slide show will be included for a better user experience. These boxes will be made from the existing responsive classes of bootstrap which will lead to visually appealing user-interface.

3.2 Modules in Project -

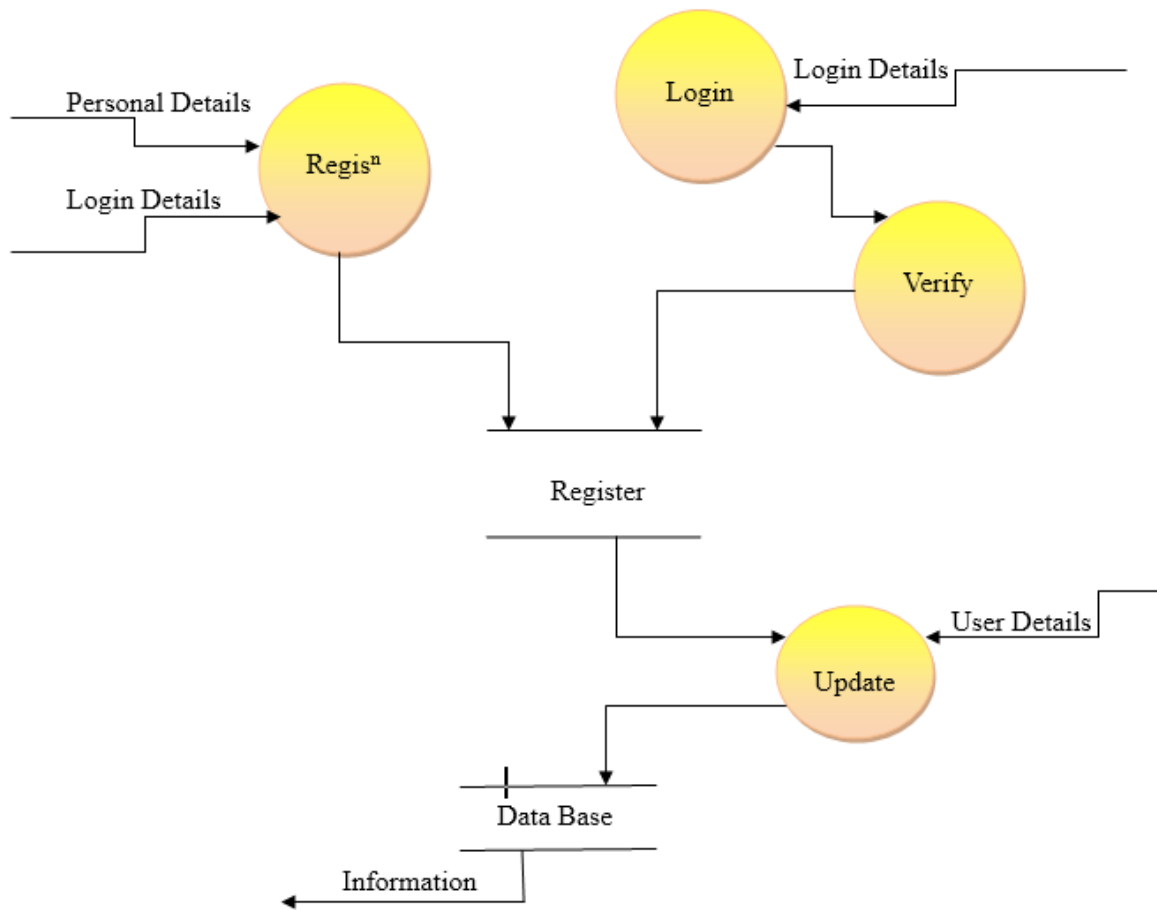
- ✓ Sign In Page
- ✓ Sign up Page
- ✓ Footer of the Page
- ✓ Photo Upload and Secret Question Module
- ✓ Feed of User
- ✓ Posting Module
- ✓ Like and Comment Module
- ✓ Profile Page
- ✓ Search User Module

3.3 Architecture Diagram –

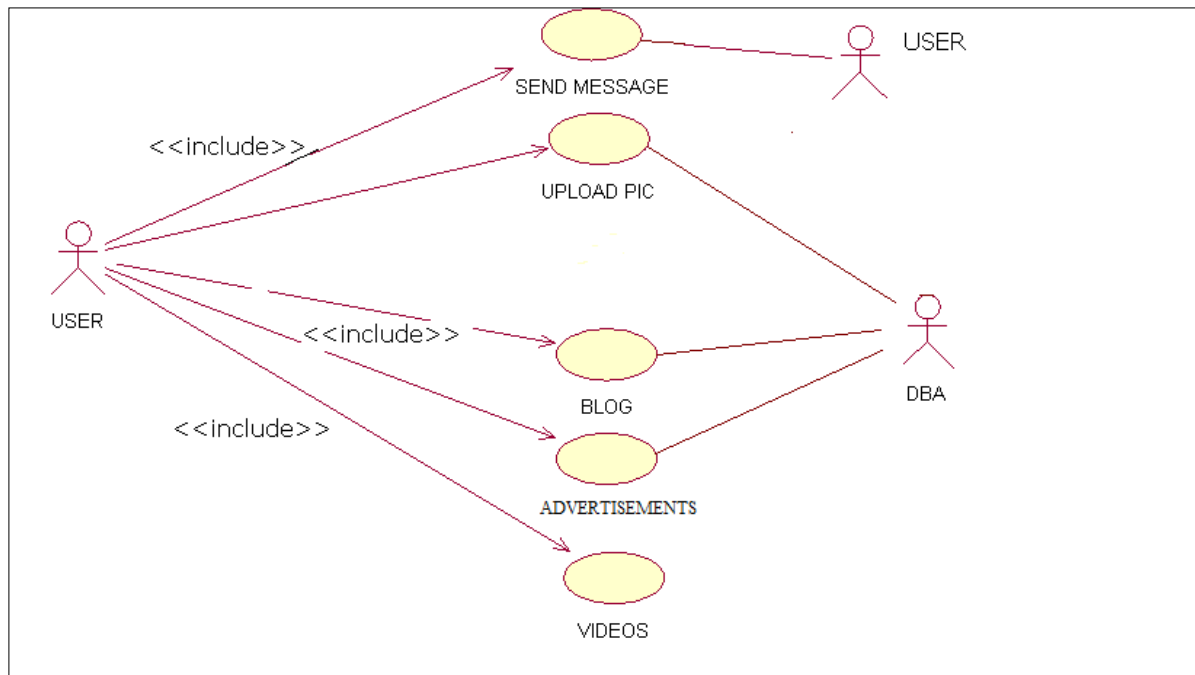


Description – Drupal uses the login credentials to get into the website and php interacts with the web server which in turn gets information from the database.

3.4 Data Flow Diagram



3.5 Use Case Diagram



4. Result

4.1 Database Schema

Table Name	Field Name	Data Type	Allow Null
Users	User_id	Number	No
Users	Name	Varchar	No
Users	Email	Varchar	No
Users	Password	Varchar	No
Users	Gender	Varchar	No
Users	DOB	Varchar	No
Users	FB_Join_Data	Varchar	No

Table Name	Field Name	Data Type	Allow Null
User_post	Post_id	Int	No
User_post	User_id	Int	No
User_post	Post_txt	Text	Yes
User_post	Post_pic	Varchar	Yes
User_post	Post_time	Varchar	Yes
User_post	Priority	Varchar	No

Table Name	Field Name	Data Type	Allow Null
User_post_comment	Comment_id	Int	No
User_post_comment	Post_id	Int	No
User_post_comment	User_id	Int	No
User_post_comment	Comment	Text	Yes

Table Name	Field Name	Data Type	Allow Null
User_cover_pic	User_id	Int	No
User_cover_pic	Cover_id	Int	No
User_cover_pic	Image	Varchar	Yes

Table Name	Field Name	Data Type	Allow Null
User_Status	User_id	Int	No
User_Status	Status	Varchar	NO

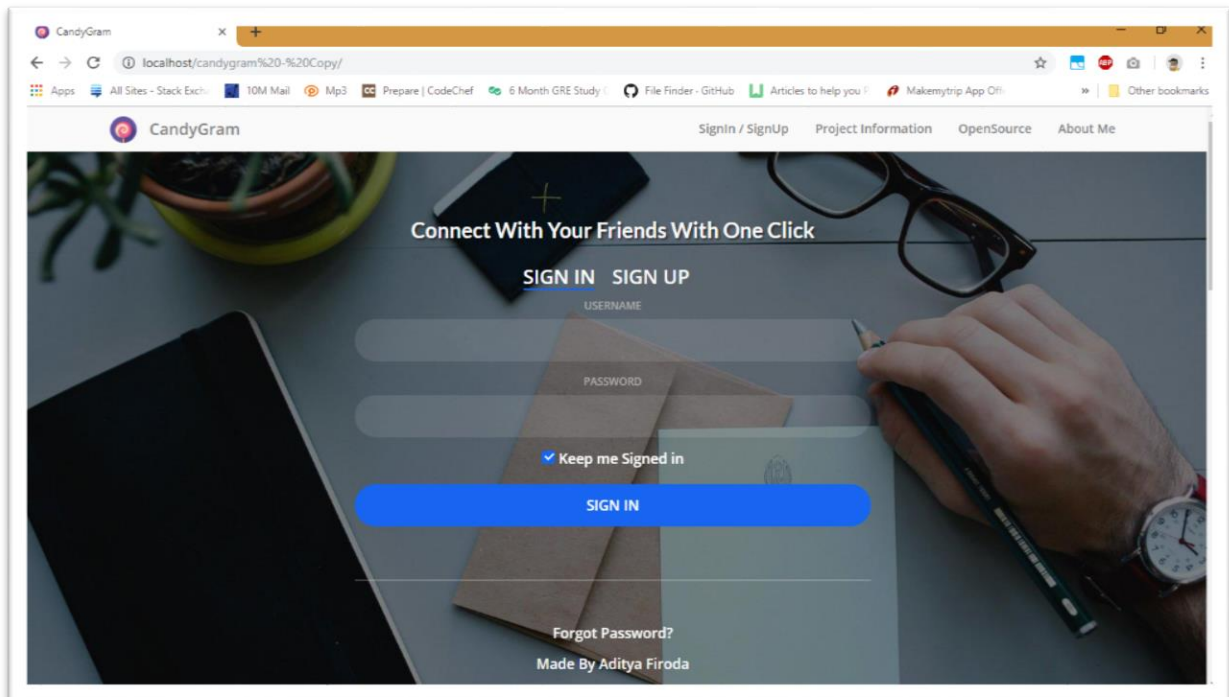
Table Name	Field Name	Data Type	Allow Null
User_post_status	Status_id	Int	No
User_post_status	Post_id	Int	No
User_post_status	User_id	Int	No

User_post_status	Status	Varchar	No
------------------	--------	---------	----

Table Name	Field Name	Data Type	Allow Null
User_info	User_id	Int	No
User_info	Job	Varchar	No
User_info	School_or_college	Varchar	Yes
User_info	Current_city	Varchar	No
User_info	Hometwn	Varchar	Yes
User_info	Rel_Status	Varchar	No
User_info	Mobile	Varchar	No

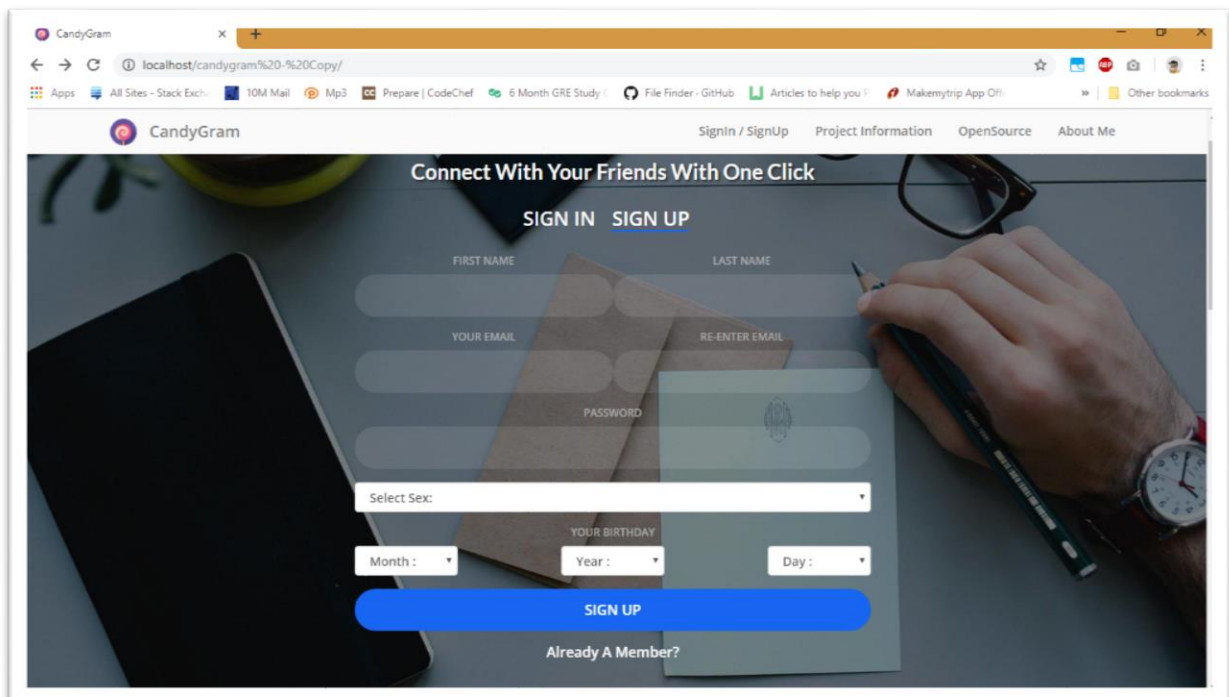
4.2 Module Description

4.2.1 Sign In Page



Description – This page takes the username and password of the user using post method and checks the validity of username and password using a SQL query in the database.

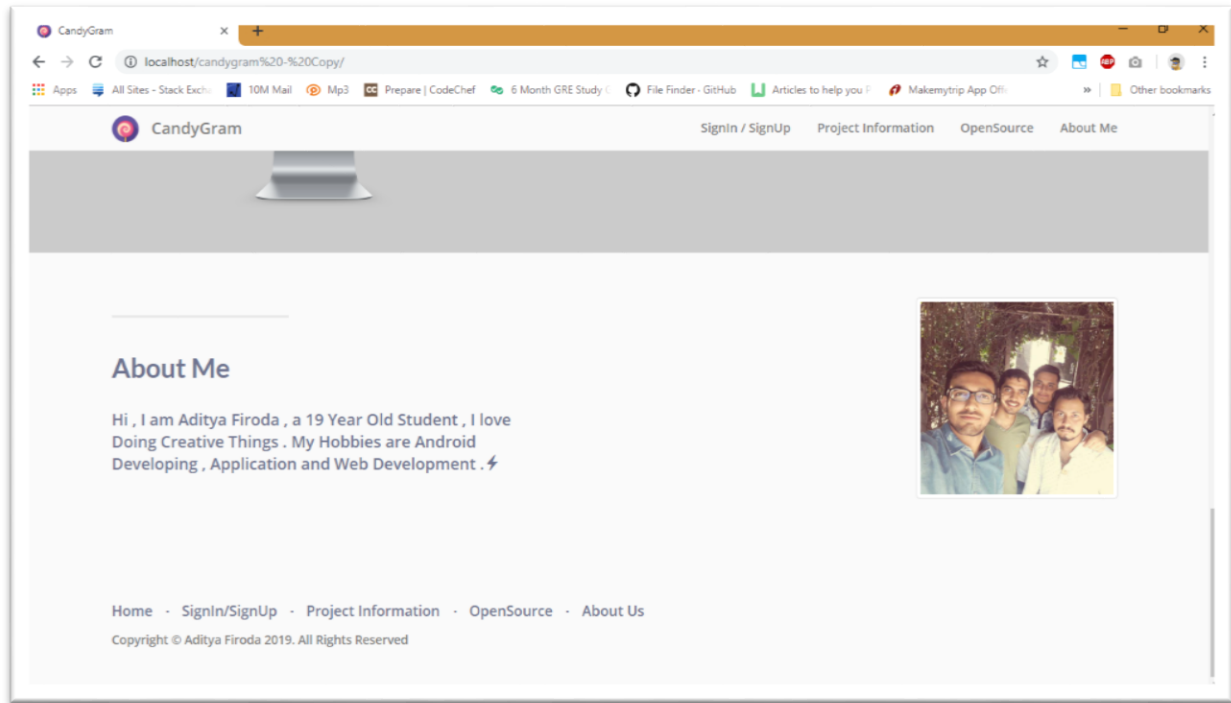
4.2.2 Sign Up Page



Description – This page is for new user for sign up it takes up the full name of the user and the intended username and password that user wants to keep with its other basic profile such

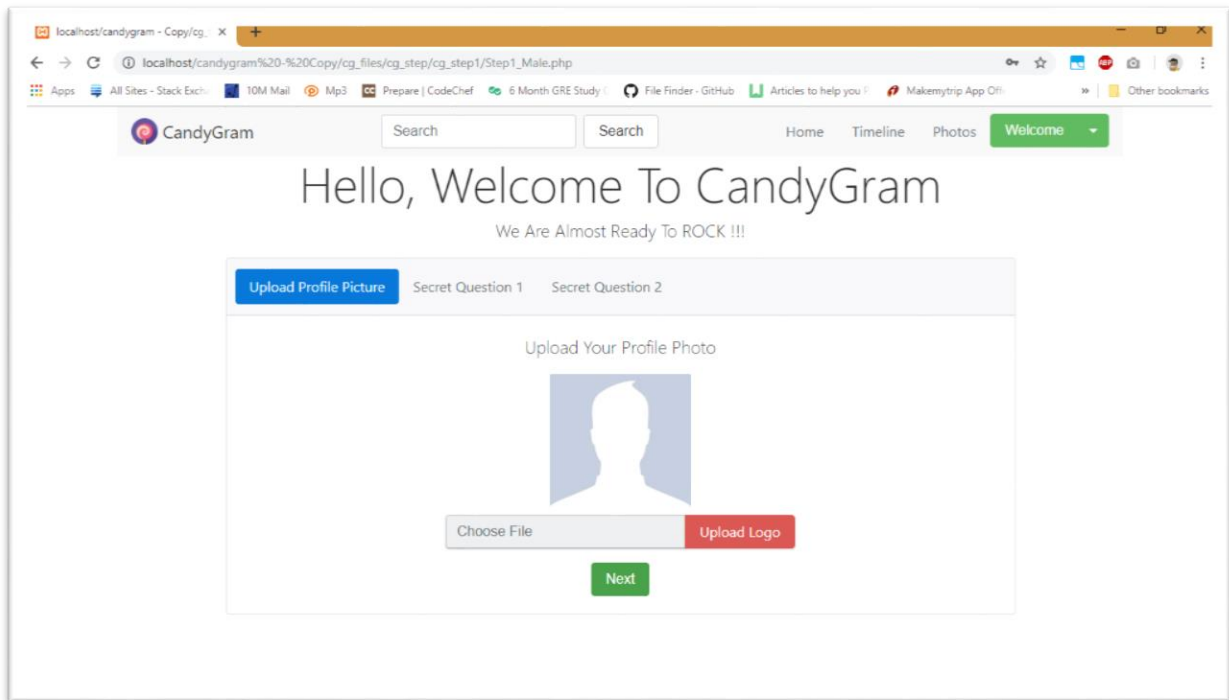
as date of birth and uses a SQL query to insert the values in the database, which is also checked for validity of the data using Javascript.

4.2.3 Footer of Page

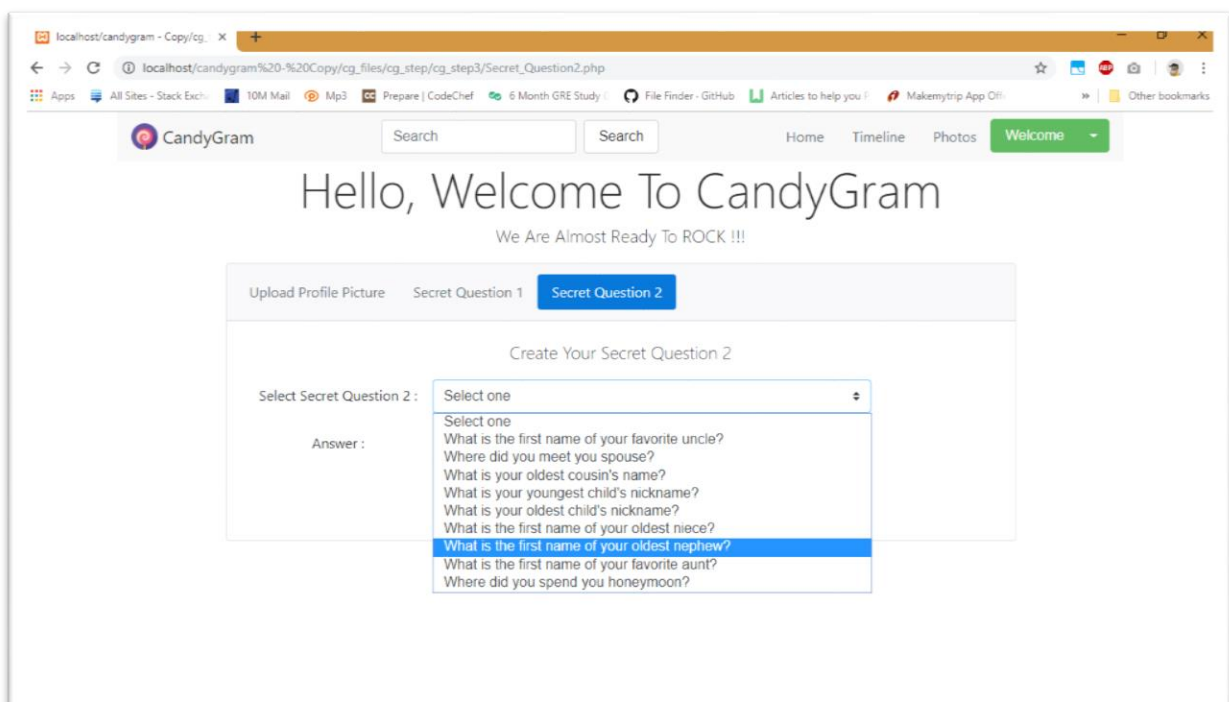


Description – Every page has the links to important pages which might come in handy to user using the website this also contains the bio for the developer of the website.

4.2.4 Photo Upload and Secret Question

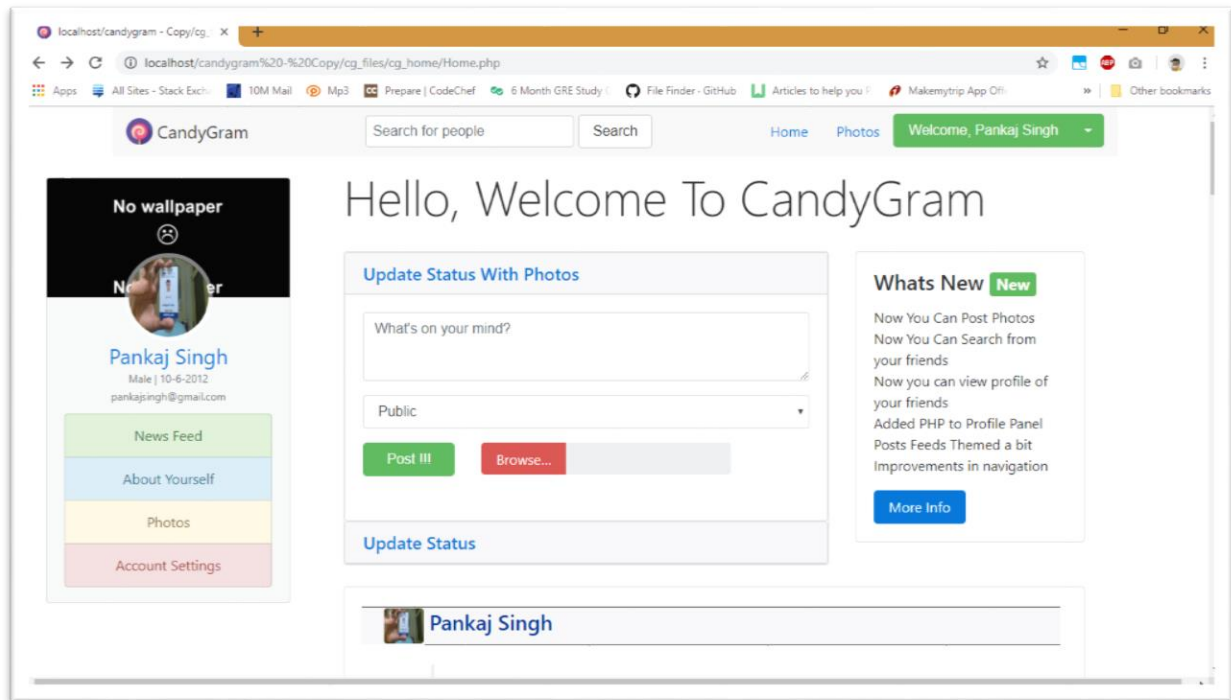


Description – This page follows sign up page which has the option for the user to upload photo of their choice which will be seen all the users of the website and this is followed by secret questions which are used in case user forgets his/her password.



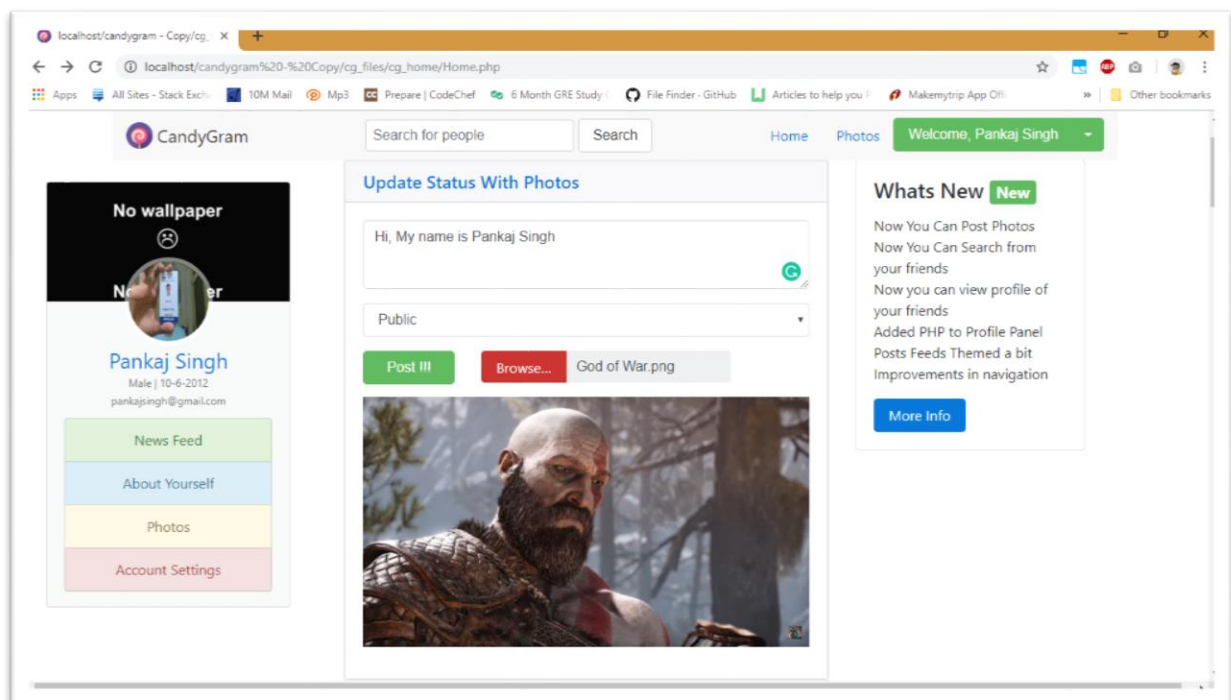
Description - This shows the secret question which are asked to user in case he/she forget password and asks for recovery of password.

4.2.5 Feed of User –



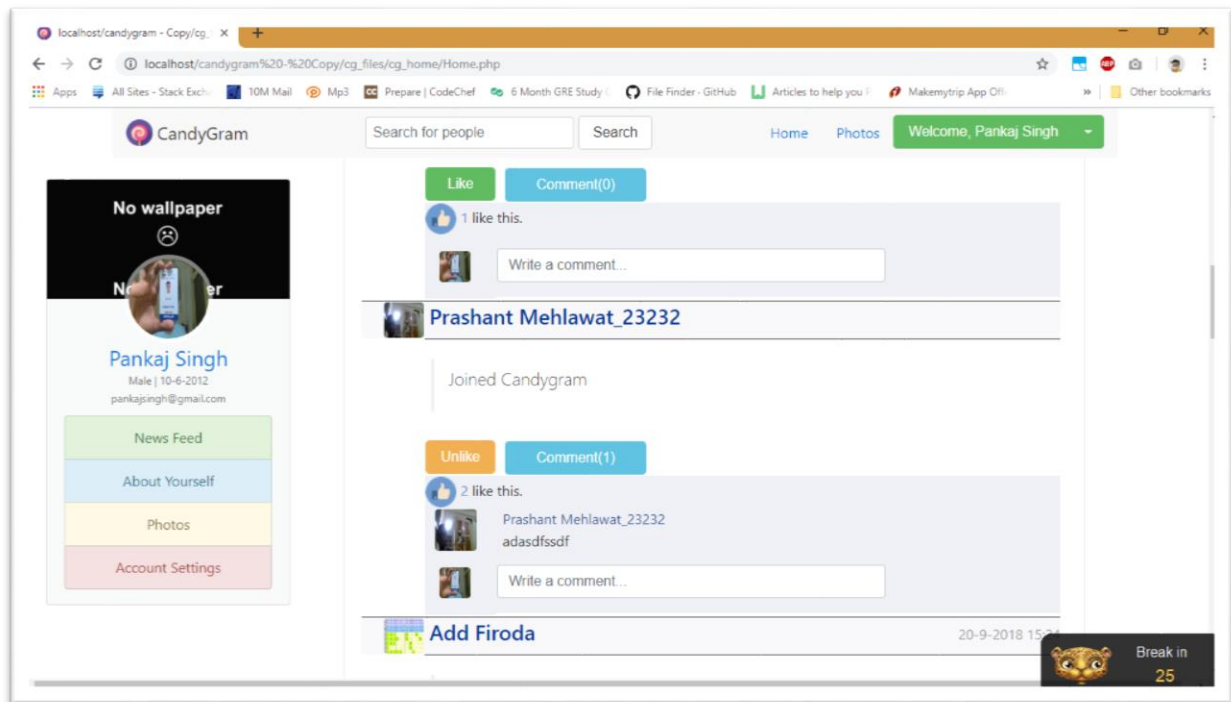
Description – This is page user is going to see as a part of the uniform feed it includes all the posts made by other users and here the user and post its own post using the section given.

4.2.5 Posting Module



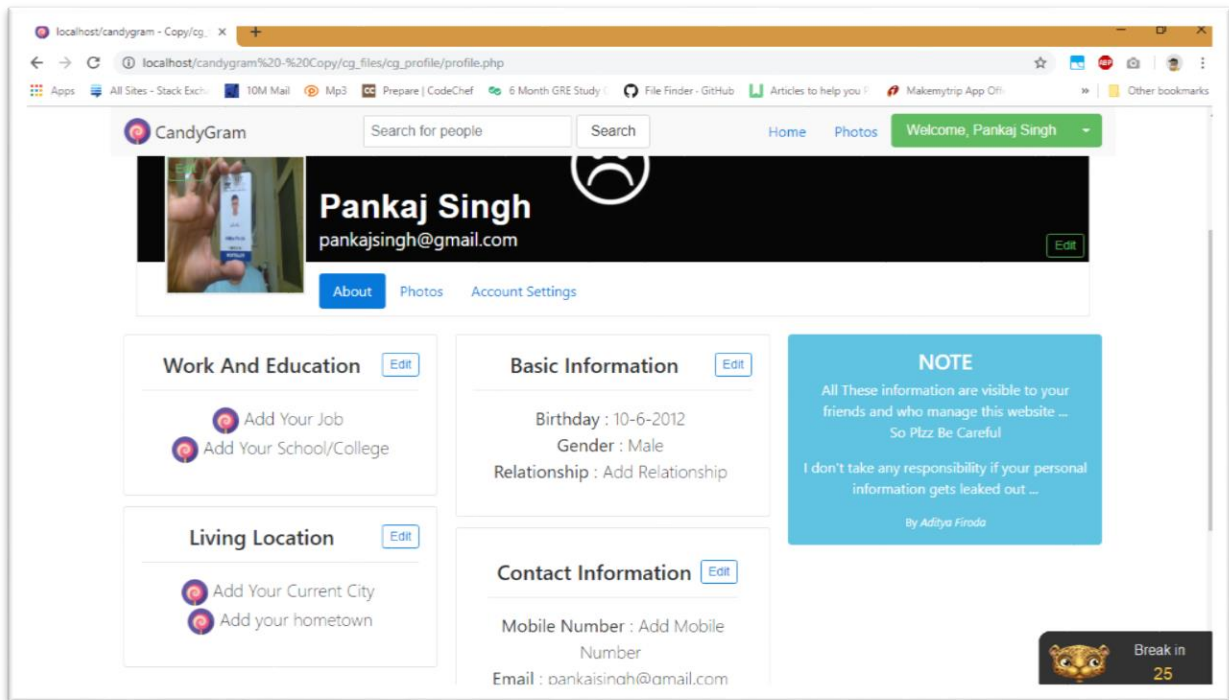
Description – This part shows how each user can make its own post with the option to write a text and also a corresponding image which can be selected using browse option, there is also an option for privacy by selecting only me or public option in the post settings.

4.2.6 Like and Comment Module



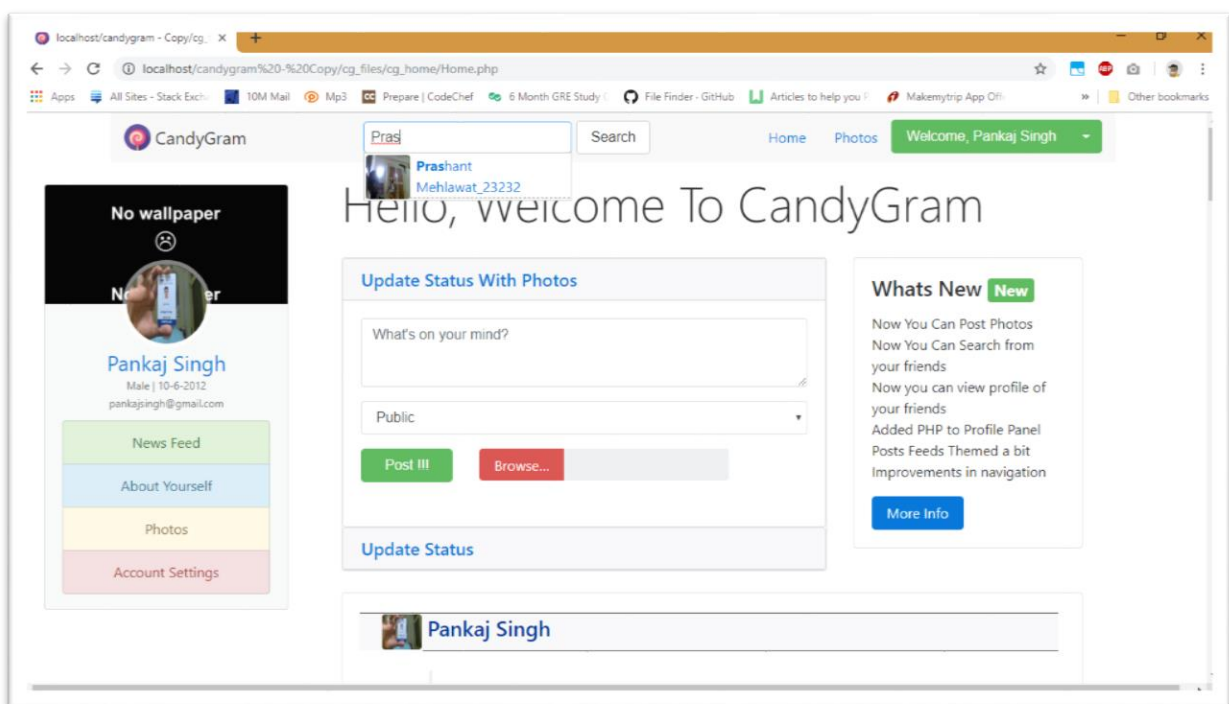
Description – This page shows the options of liking and commenting on other user posts, each user can like or dislike only once and make unlimited comments on the posts other user have made and also on their own posts.

4.2.7 Profile Page



Description – This is the profile page of each user which other users can see but only the owner user is able to modify its details which contains the photos and other background information of each user with the account information.

4.2.8 Search User Module



Description – This shows the search module which shows the user which exists on the website

Conclusion

Social Networking website is a revolutionary idea with a very bright future with further scope for advancements. The opportunities provided from this medium are immense and many organisations are making use of this medium to better their practices. Organisations are no longer at the mercy of the media to advertise or convey their message. With the help of social networking they can advertise or communicate in a more efficient way. For example, Starbucks have started a very successful program in which a person from any part of the world can login to a website to write comments and discuss issues. Similarly people don't have to rely on newspapers or TV to get their daily dose of news it can all be obtained from a social networking site. People can follow or get information from any part of the world. For example Twitter allows a user to follow anything from airline timing to the next breaking news from China. It is even used by politicians to get their message across.

Online communities and Blogs are becoming very popular and moreover since the advancement of embedded systems people can use them "on the go" with the help of handheld devices like cell phones or palmtops. They can get information which is more interactive in nature with the help of embedd photo and video. Iphone is an example of a handheld device through which people can share information. People can also take part in the social network by using many tools available to them. Users can tag particular pages of interest in an interactive manner or can just bookmark them for further interaction. The kind of interaction a user wants from these social networks depends on the type of information the user is interested in. Wikis can be used for academic purpose, it can greatly enhance the way people learn. People can watch videos to understand a topic better or look at photos which might help them to visualize a concept, after all "a picture speaks a thousand words".

The world is getting closer everyday and everyone wants to be connected. Static blogs and websites are losing popularity. World is moving more towards "information streams". The information comes to users rather than users have to make effort to get the information. The social networks can be extended to other media, for example Television now integrates Twitter feeds. In terms of personal relationships too the social networking is connecting people. Dating sites have become very popular to find partners and to be connected with each other. Social networking can also be very crucial in medical help. Illness support communities can be created from which people can get information about common diseases and also first aid tips.

After all the advantages, the problem that arises is of information overload and security. Social networks, unlike the common media, do not have a pattern as to how much information has to be conveyed and where to draw the line. Too much of information may confuse users. Security might be another area of concern where people can get illegal access to a user's information. The future of social networking looks very promising but still it has to deal with the problems associated with it.

References

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Appendix

```
<!DOCTYPE html>
<?php
    include("Login.php");
    include("cg_files/cg_index_file/fb_SignUp_file/SignUp.php");
?>
<html lang="en">

<head>
<LINK REL="SHORTCUT ICON" HREF="cg_files/cg_title_icon/candygram.png?<?php echo time(); ?>" />
    <link href="cg_files/cg_index_file/fb_css_file/index_css.css?<?php echo time(); ?>" rel="stylesheet"
type="text/css">
    <link href="cg_files/fb_font/font.css?<?php echo time(); ?>" rel="stylesheet" type="text/css">
    <script type="text/javascript" src="cg_files/cg_index_file/fb_js_file/Registration_validation.js?<?php
echo time(); ?>"> </script>

    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=1024,initial-scale=0">
    <meta name="description" content="">
    <meta name="author" content="">

    <title>CandyGram</title>

    <!-- Bootstrap Core CSS -->
    <link href="landing/css/bootstrap.min.css?<?php echo time(); ?>" rel="stylesheet">

    <!-- Custom CSS -->
    <link href="landing/css/landing.css?<?php echo time(); ?>" rel="stylesheet">

    <!-- Custom Fonts -->
    <link href="landing/font-awesome/css/font-awesome.min.css?<?php echo time(); ?>" rel="stylesheet"
type="text/css">
    <link href="https://fonts.googleapis.com/css?family=Lato:300,400,700,300italic,400italic,700italic"
rel="stylesheet" type="text/css">

    <!-- HTML5 Shim and Respond.js 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/libs/html5shiv/3.7.0/html5shiv.js"></script>
    <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
<![endif]-->

    <!-- Login Css -->
    <link rel='stylesheet prefetch' href='http://fonts.googleapis.com/css?family=Open+Sans:600'>
    <link rel="stylesheet" href="login/style.css"?<?php echo time(); ?>">

</head>
<script>
    function time_get()
    {
        d = new Date();
        mon = d.getMonth()+1;
        time = d.getDate()+"-"+mon+"-"+d.getFullYear()+" "+d.getHours()+":"+d.getMinutes();
        Reg.fb_join_time.value=time;
    }
</script>
<style>
</style>
<body>

    <!-- Navigation -->
    <nav class="navbar navbar-default navbar-fixed-top topnav" role="navigation">
        <div class="container topnav">
            <!-- Brand and toggle get grouped for better mobile display -->
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse" data-target="#bs-example-
navbar-collapse-1">
                    <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="#">
                    
                </a>
            </div>
        </div>
    </nav>

```

```

    <a class="navbar-brand" href="#">CandyGram</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 navbar-right">
    <li>
      <a href="#sign">SignIn / SignUp</a>
    </li>
    <li>
      <a href="#services">Project Information</a>
    </li>
    <li>
      <a href="#open">OpenSource</a>
    </li>
    <li>
      <a href="#about">About Me</a>
    </li>
  </ul>
</div>
<!-- /.navbar-collapse -->
</div>
<!-- /.container -->
</nav>

```

```

<!-- Header -->
<a name="sign"></a>
<div class="intro-header">
  <div class="container">

    <div class="row">
      <div class="col-lg-12">
        <div class="intro-message">
          <h3>Connect With Your Friends With One Click</h3>
          <div class="login-wrap">
            <form method="post">

          </form>
        </div>
      </div>
    </div>
  </div>
  <!-- Login/Signup Form -->
  <form method="post">

```

```

<div class="login-html" height="100%">
    <input id="tab-1" type="radio" name="tab" class="sign-in" checked><label for="tab-1"
class="tab">Sign In</label>
    <input id="tab-2" type="radio" name="tab" class="sign-up"><label for="tab-2"
class="tab">Sign Up</label>
    <div class="login-form">
        <div class="sign-in-htm">
            <div class="group">
                <label for="user" class="label">Username</label>
                <input id="user" type="text" class="input" name="username">
            </div>
            <div class="group">
                <label for="pass" class="label">Password</label>
                <input id="pass" type="password" class="input" type="password"
name="password">
            </div>
            <div class="group">
                <input id="check" type="checkbox" class="check" checked>
                <label for="check"><span class="icon"></span> Keep me Signed
in</label>
            </div>
            <div class="group">
                <input type="submit" class="button" value="Sign In"
name="Login">
            </div>
            <div class="hr"></div>
            <div class="foot-lnk">
                <a href="Forgot_Password.php">Forgot Password?</a>
            </div>
        </div></form>
        <div class="sign-up-htm" id="enl">
            <!-- Registration -->
            <form method="post" onSubmit="return check();" name="Reg">
                <div class="group"><div class="sdf">
                    <label for="user" class="label" >First Name</label>
                    <input id="user" type="text" class="input" name="first_name">
                </div></div><div class="sdf">
                    <div class="group">
                        <label for="user" class="label" >Last Name</label>
                        <input id="user" type="text" class="input" name="last_name">

```

```

</div></div><div class="sdf">
<div class="group">
    <label for="user" class="label">Your Email</label>
    <input id="user" type="text" class="input" name="email">
</div></div><div class="sdf">
<div class="group">
    <label for="user" class="label">Re-enter Email</label>
    <input id="user" type="text" class="input" name="reemail">
</div></div>
<div class="sdff"><div class="group">
<label for="user" class="label">Password</label>
    <input id="pass" type="password" class="input" data-
type="password" name="password">
</div>
<div class="group">

    <select class="form-control" name="sex" >

        <option value="Select Sex:"> Select Sex: </option>
        <option value="Female"> Female </option>
        <option value="Male"> Male </option>
    </select>

</div>
<div class="group" >
<div class="form-inline" style="display: block;margin: 0 auto;float:middle">
    <label for="user" class="label">Your Birthday</label>
<div>

<select class="form-control" name="month" style="width:20%;float:left;">
<option value="Month:"> Month : </option>

<script type="text/javascript">

    var
    m=new
Array("", "Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug", "Sep", "Oct", "Nov", "Dec");
    for(i=1;i<=m.length-1;i++)
    {
        document.write("<option value='"+i+"'>" + m[i] + "</option>");
    }
</script>

```