

BUSPASS REGISTRATION AND RENEWAL SYSTEM

A MINI PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this mini-project report “**BUSPASS REGISTRATION AND RENEWAL SYSTEM**” is the bonafide work of **DHINESH KUMAR B (820319104014), GOPINATH B (820319104014), VISHWA VENGADESH D (820319104048)**, who carried out their Mini-Project work during the academic year **2021-2022**.

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ABSTRACT

‘Bus Pass Management System’ is a web application that will manage the records of pass which is issue by bus administrative. ‘Bus Pass Management System is an automatic system which delivers data processing in very high speed in systematic manner.

This system helps bus administrative to keep records of bus passes. Before this application the manual process is used to do the process of issuing the bus pass to the traveler. This manual process requires man power and more time consuming to avoid these difficulties we implement ‘Bus Pass Management System’.

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CHAPTER 1

INTRODUCTION

1.1 BUSPASS REGISTRATION AND RENEWAL SYATEM

Bus Pass Management system is a web-based technology that will manage the records of pass which is issue by administrative and also help to provide online bus pass to people who need to travel daily. Bus Pass Management System is helpful to bus administrative by reducing the paper work, time consumption and makes a process of getting bus pass as a simple and fast.

The Software powered by PHP assures clear and efficient services to the agency. This easy-to-operate system helps to access and modify user details, provides efficient printing facility. The software is designed to provide Reliable and error free information. The database is driven by MySQL thus providing portability

1.2 FEATURES

- Product and component based
- Simple status & Resolutions
- Robust database back-end
- It contains better storage capacity
- Accuracy in work
- Easy and fast retrieval of information
- Decrease the load of the person involve in existing manual system.
- Work becomes very speedy
- Easy to update information

1.3 PROPOSED WORK

The main objective was to create a unique and useful “online student feedback system” with exceptional quality and services that differentiates it from other system. The key feature of the element of thissystem is:

- Database
- Functions

Users are broadly classified into 2 categories:

1. Admin
2. user

The core functionality that is to be included in the system is as follows

3.1 Admin

- Can insert/update/delete only new add.

3.2 User

- Can View the website and view the pass.

1.4 INTRODUCTION TO PHP

PHP is a general-purpose scripting language especially suited to web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. PHP is a general-purpose scripting language that is especially suited to server-side web development, in which case PHP generally runs on a web server. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content or dynamic images used on websites or elsewhere. It can also be used for command-line scripting and client-side graphical user interface (GUI) applications. PHP can be deployed on most web servers, many operating systems and platforms, and can be used with many relational database management systems (RDBMS). 9

1.5 INTRODUCTION TO HTML:

The Hyper Text Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

1.6 INTRODUCTION TO CSS:

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript

1.7 INTRODUCTION TO MYSQL:

MySQL is a database system used for developing web-based software applications. MySQL used for both small and large applications. MySQL is a relational database management system (RDBMS). MySQL is fast, reliable, and flexible and easy to use. MySQL supports standard SQL (Structured Query Language). MySQL is free to download and use. MySQL was developed by Michael Widenius and David Axmark in 1994. MySQL is presently developed, distributed, and supported by Oracle Corporation.

CHAPTER 2

SYSTEM SPECIFICATION

2.1 Methodology adopted and System implementation

1. Apache MySQL is used as a web server to host the application.
2. All the environment variables are set.
3. The application is pasted in the web apps folder.
4. Web server is started now.
5. Application is run using the web browser by typing <http://localhost/buspassms>
6. Index.php file is used to control the flow and user actions

2.2 HARDWARE REQUIREMENTS

- Clock speed: 3.0 GHz
- RAM size: 8 GB
- Hard disk: 500 GB

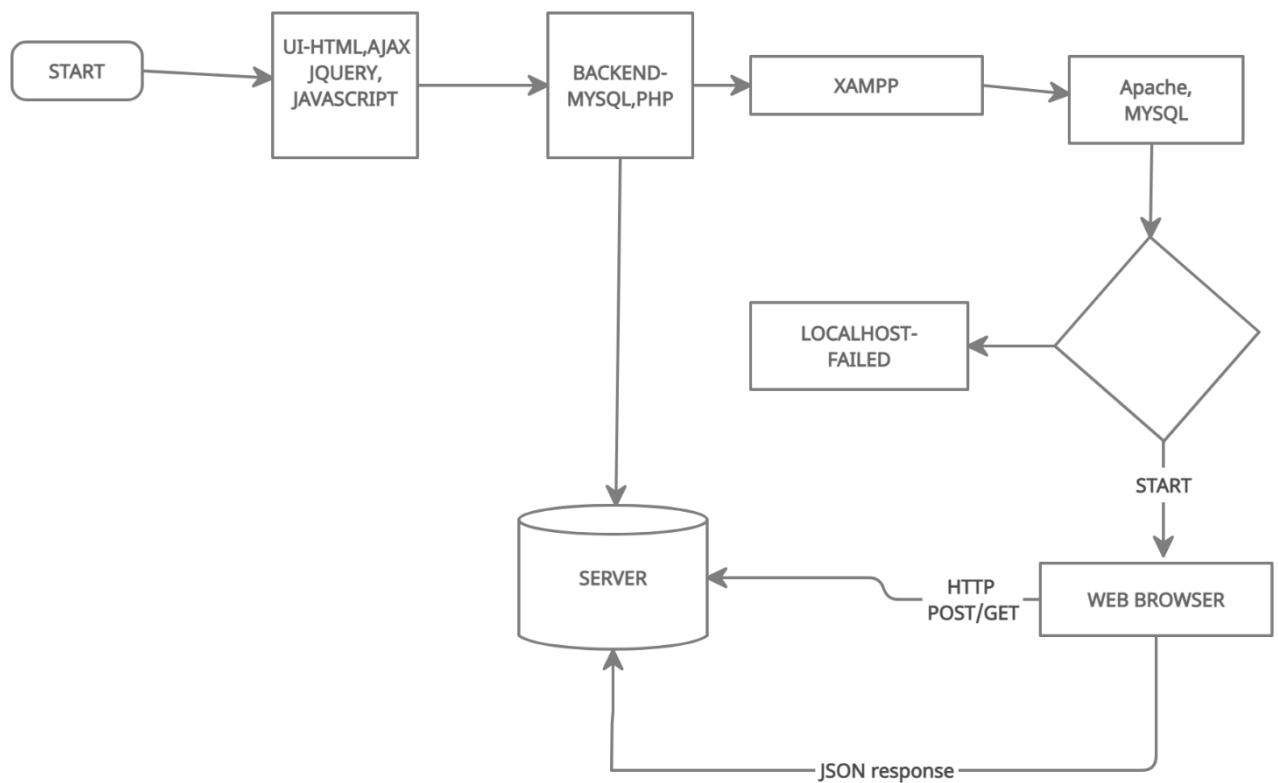
2.3 SOFTWARE REQUIREMENTS

- Operating System: Windows 10
- Language: HTML5, PHP, MYSQL
- Browser: Google chrome latest version and Microsoft Edge latest version,

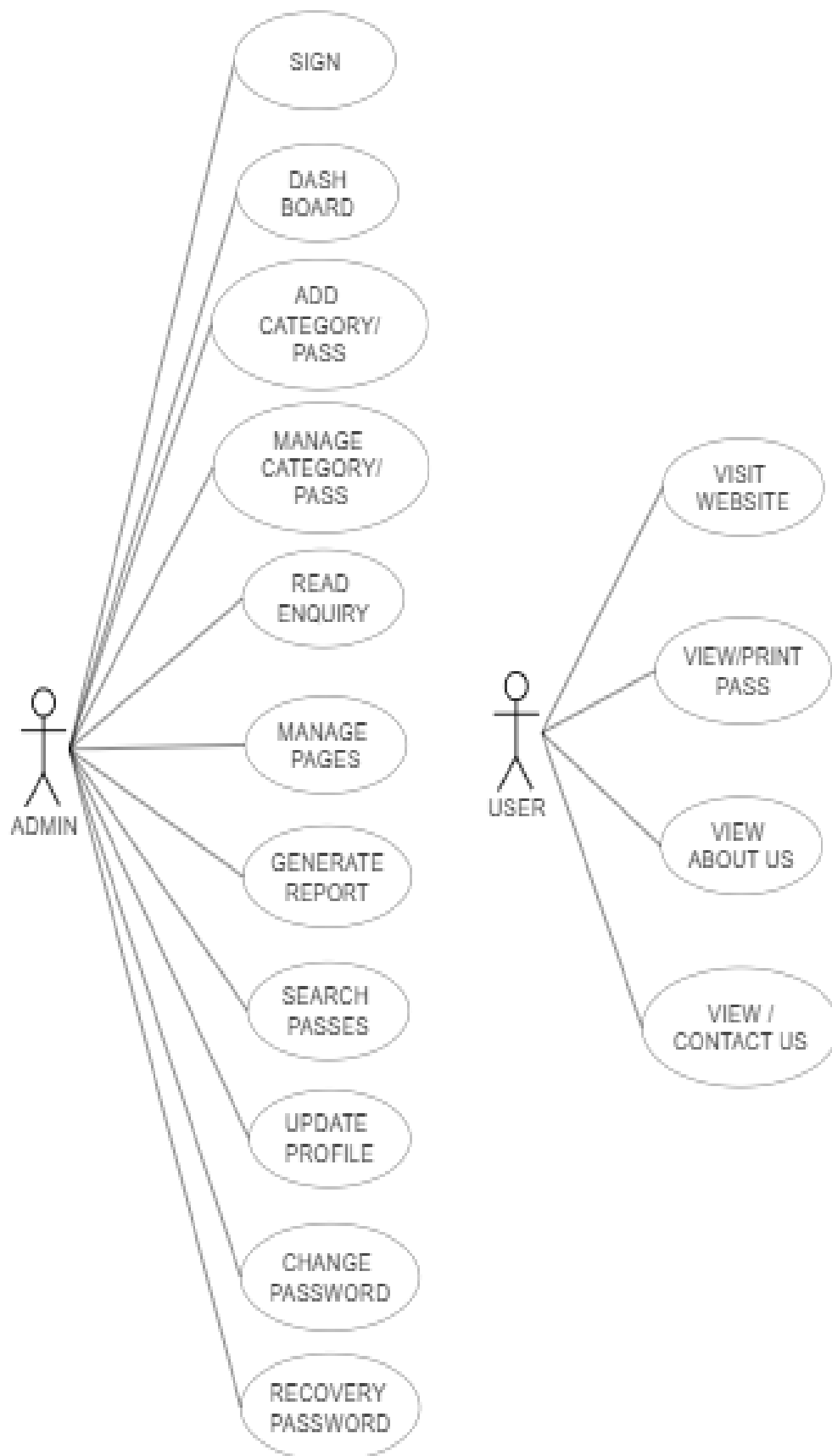
Chapter 3

3.1 ARCHITECTURE

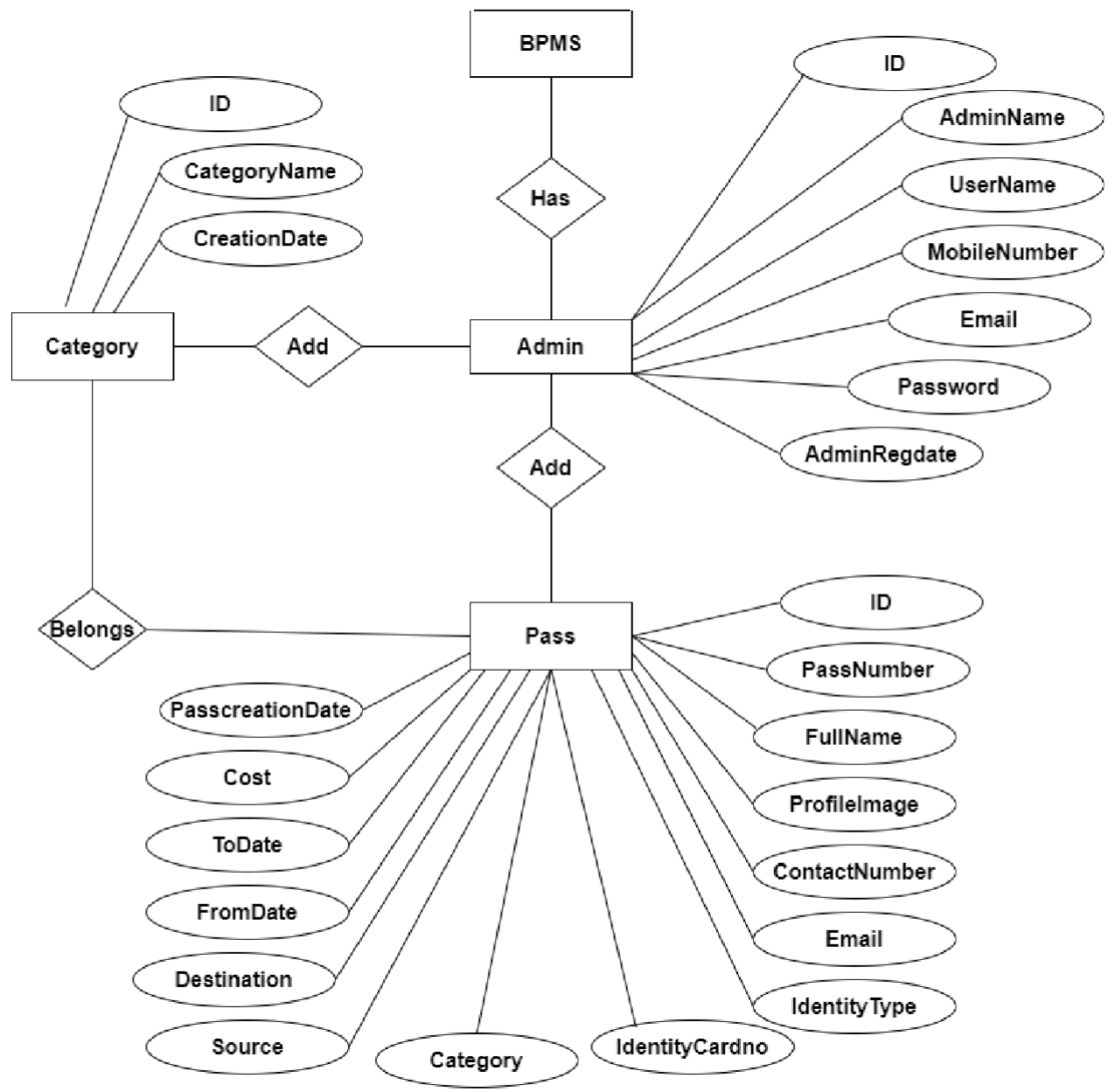
The architecture of the project represents the way of projects works according to given modules. The architecture is a simplified representation and easily understandable the way of the project proceeds.



3.2 USE-CASE DIAGRAM



3.3 ER DIAGRAM:



CHAPTER 4

SYSTEM DESIGN

Bus Pass Management system is a web-based technology that will manage the records of pass which is issue by administrative and also help to provide online buspass to people who need to travel daily. Bus Pass Management System is helpful to bus administrative by reducing the paper work, time consumption and makes a process of getting bus pass as a simple and fast.

Bus Pass Management system we use PHP and MySQL database. This is the project which keeps records of the pass which is issue by administrative. Bus Pass Management system has two modules i.e. admin and user.

4.1 Admin login

1. **Dashboard:** In this section, admin can briefly view the total number of categories
2. and how many passes will be generated in one day, yesterdays and last seven's days **Category:** In this section, admin can manage category (add/update).
3. **Passes:** In this section, admin can manage pass (add/update/take print pass).
4. **Pages:** In this section, admin can update about us and contact us pages.
5. **Enquiry:** In this section, admin read the enquiries which are send by users.
6. **Reports:** In this section admin can generate pass reports between two dates.
7. **Search:** In this section, admin can search a particular pass by pass number.

Admin can also update his profile, change the password and recover the password.

4.2 User

1. **Home Page:** User can visit home page.
2. **View Pass:** User can view his/her pass and take print with the help of their Pass Number.
3. **About Us:** User sees the details of website administrator.
4. **Contact Us:** User can contact with website administrator.

CHAPTER 5

IMPLEMENTATION

5.1 CODING

HOME PAGE:

```
<?php
session_start();
error_reporting(0);
include('includes/dbconnection.php');

?>
<!DOCTYPE html>
<html lang="en">
<head>
<title>Bus Pass Management System || Home Page</title>

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){
window.scrollTo(0,1); } </script>
<!-- Custom Theme files -->
<link href="css/bootstrap.css" type="text/css" rel="stylesheet" media="all">
<link href="css/style.css" type="text/css" rel="stylesheet" media="all">
<link rel="stylesheet" href="css/flexslider.css" type="text/css" media="screen" />
<!-- flexslider-CSS -->
<link href="css/font-awesome.css" rel="stylesheet">          <!-- font-awesome
icons -->
<!-- //Custom Theme files -->
<!-- web-fonts -->
<link
href="//fonts.googleapis.com/css?family=Oswald:200,300,400,500,600,700"
rel="stylesheet">
<link
href="//fonts.googleapis.com/css?family=Roboto:100,100i,300,300i,400,400i,500
,500i,700,700i,900,900i" rel="stylesheet">
<!-- //web-fonts -->
</head>
<body>
    <!-- banner -->
    <div class="agileits-banner">
        <div class="bnr-agileinfo">
```

```

        <!-- navigation -->
        <?php include_once('includes/header.php');?>
        <!-- //navigation -->
        <!-- banner-text -->
        <div class="banner-text agileinfo">

        </div>

    </div>
</div>

```

```

<!-- footer -->
<?php include_once('includes/footer.php');?>
<!-- js -->
<script src="js/jquery-2.2.3.min.js"></script>
<script src="js/SmoothScroll.min.js"></script>
<script src="js/jarallax.js"></script>
<script type="text/javascript">
    /* init Jarallax */
    $(''.jarallax').jarallax({
        speed: 0.5,
        imgWidth: 1366,
        imgHeight: 768
    })
</script>
<!-- //js -->

```

```

    <script src="js/bootstrap.js"></script>
</body>
</html>

```

ADMIN PAGE:

```

<?php
session_start();
error_reporting(0);

```

```

include('includes/dbconnection.php');

if(isset($_POST['login']))
{
    $username=$_POST['username'];
    $password=md5($_POST['password']);
    $sql ="SELECT ID FROM tbladmin WHERE UserName=:username and
Password=:password";
    $query=$dbh->prepare($sql);
    $query-> bindParam(':username', $username, PDO::PARAM_STR);
    $query-> bindParam(':password', $password, PDO::PARAM_STR);
    $query-> execute();
    $results=$query->fetchAll(PDO::FETCH_OBJ);
    if($query->rowCount() > 0)
    {
        foreach ($results as $result) {
            $_SESSION['bpmsaid']=$result->ID;
        }

        if(!empty($_POST["remember"])) {
            //COOKIES for username
            setcookie ("user_login",$_POST["username"],time()+ (10 * 365 * 24 * 60 * 60));
            //COOKIES for password
            setcookie ("userpassword",$_POST["password"],time()+ (10 * 365 * 24 * 60 *
            60));
        } else {
            if(isset($_COOKIE["user_login"])) {
                setcookie ("user_login","");
            }
            if(isset($_COOKIE["userpassword"])) {
                setcookie ("userpassword","");
            }
        }
    }
    $_SESSION['login']=$_POST['username'];
    echo "<script type='text/javascript'> document.location ='dashboard.php';
    </script>";
} else{
    echo "<script>alert('Invalid Details');</script>";
}
}

?>
<!DOCTYPE html>
<html>

```

```

<head>

    <title>Bus Pass Management System | Login Page</title>
    <!-- Core CSS - Include with every page -->
    <link href="assets/plugins/bootstrap/bootstrap.css" rel="stylesheet" />
    <link href="assets/font-awesome/css/font-awesome.css" rel="stylesheet" />
    <link href="assets/plugins/pace/pace-theme-big-counter.css" rel="stylesheet" />
    <link href="assets/css/style.css" rel="stylesheet" />
    <link href="assets/css/main-style.css" rel="stylesheet" />

</head>

<body class="body-Login-back">

    <div class="container">

        <div class="row">
            <div class="col-md-4 col-md-offset-4 text-center logo-margin ">
                <h3 style="color: white;">Bus Pass Management System</h3>
            </div>
            <div class="col-md-4 col-md-offset-4">
                <div class="login-panel panel panel-default">
                    <div class="panel-heading">
                        <h3 class="panel-title">Please Sign In</h3>
                    </div>
                    <div class="panel-body">
                        <form role="form" method="post" name="login">
                            <fieldset>
                                <div class="form-group">
                                    <label for="login-username">Username</label>
                                    <input type="text" class="form-control" required="true"
name="username" value="<?php if(isset($_COOKIE["user_login"])) { echo
$_COOKIE["user_login"]; } ?>">

                                </div>
                                <div class="form-group">
                                    <label for="login-password">Password</label>
                                    <input type="password" class="form-control"
name="password" required="true" value="<?php
if(isset($_COOKIE["userpassword"])) { echo $_COOKIE["userpassword"]; }
?>">

                                </div>
                            </fieldset>
                        </form>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        <div class="checkbox">
            <input type="checkbox" id="remember"
name="remember" <?php if(isset($_COOKIE["user_login"])) { ?> checked <?php
} ?> />
            <label for="keep_me_logged_in">Keep me signed in</label>

<label style="padding-left: 40px">
    <a href="forgot-password.php">Lost Password?</a></label>
</div>

<!-- Change this to a button or input when using this as a form
-->

        <input type="submit" value="Login" class="btn btn-lg btn-
success btn-block" name="login" >
    </fieldset>
</form>
<div>
    <i class="fa fa-home" style="font-size: 30px" aria-
hidden="true"></i>
    <p><a href=" ../index.php"> Back Home </a></p>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

    <!-- Core Scripts - Include with every page -->
    <script src="assets/plugins/jquery-1.10.2.js"></script>
    <script src="assets/plugins/bootstrap/bootstrap.min.js"></script>
    <script src="assets/plugins/metisMenu/jquery.metisMenu.js"></script>

</body>

</html>

```

DOWNLOAD PASS:

```
<?php
```

```

include('includes/dbconnection.php');

session_start();

error_reporting(0);

?>

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bus Pass Management System || Pass Page</title>

<script type="application/x-javascript"> addEventListener("load", function() {
setTimeout(hideURLbar, 0); }, false); function hideURLbar(){ window.scrollTo(0,1);
} </script>

<!-- Custom Theme files -->

<link href="css/bootstrap.css" type="text/css" rel="stylesheet" media="all">

<link href="css/style.css" type="text/css" rel="stylesheet" media="all">

<link href="css/font-awesome.css" rel="stylesheet" > <!-- font-awesome
icons -->

<!-- //Custom Theme files -->

<!-- web-fonts -->

<link href="//fonts.googleapis.com/css?family=Oswald:200,300,400,500,600,700"
rel="stylesheet">

<link
href="//fonts.googleapis.com/css?family=Roboto:100,100i,300,300i,400,400i,500,500
i,700,700i,900,900i" rel="stylesheet">

<!-- //web-fonts -->

</head>

<body>

<!-- banner -->

<div class="agileits-banner">

```

```

<div class="bnr-agileinfo">
    <!-- navigation -->
    <?php include_once('includes/header.php');?>
    <!-- //navigation -->
    <!-- banner-text -->
    <div class="banner-text agileinfo about-bnrtext">
        <div class="container">
            <h2><a href="index.php">Home</a> / View
Pass</h2>

            </div>
        </div>
    <!-- //banner-text -->
</div>
</div>
<!-- //banner -->
<!-- contact -->
<div class="contact agileits">
    <div class="container">
        <div class="agileits-title">
            <h3>View Pass</h3>
        </div>
        <div class="contact-agileinfo">
            <div class="col-md-7 contact-form wthree">
                <form action="#" method="post">
                    <input id="searchdata" type="text"
name="searchdata" placeholder="Search by Pass Number" required="true">
                    <button style="padding-top: 14px;" type="submit"
class="btn btn-primary" name="search" id="submit">Search</button>
                </form>
            </div>
        </div>
    </div>
</div>

```

```

        </div>

        <div class="clearfix"> </div>

        <div class="table-responsive">

            <?php
if(isset($_POST['search']))
{

    $sdata=$_POST['searchdata'];

    ?>

    <h4 style="padding-bottom: 20px;">Result against "<?php echo $sdata;?>" keyword
</h4>

    <table border="2" class="table table-bordered" style="font-size:
18px;">

        <thead>

            <tr>

                <th>S.NO</th>

                <th>Pass Number</th>

                <th>Full Name</th>

                <th>Contact Number</th>

                <th>Email</th>

                <th>Creation Date</th>

                <th>Action</th>

            </tr>

        </thead>

        <tbody>

            <?php

$sql="SELECT * from tblpass where PassNumber like '$sdata%'";
$query = $dbh -> prepare($sql);

```



```

$query->execute();

$results=$query->fetchAll(PDO::FETCH_OBJ);

$cnt=1;
if($query->rowCount() > 0)
{
    foreach($results as $row)
    {
        ?>

        <tr>

        <td><?php echo htmlentities($cnt);?></td>

        <td><?php echo htmlentities($row->PassNumber);?></td>

        <td><?php echo htmlentities($row->FullName);?></td>

        <td><?php echo htmlentities($row->ContactNumber);?></td>

        <td><?php echo htmlentities($row->Email);?></td>

        <td><?php echo htmlentities($row->PasscreationDate);?></td>

        <td><a href="view-pass-detail.php?viewid=<?php echo htmlentities
($row->ID);?>" class="btn btn-primary">View </a></td>

        </tr>

        <?php
$cnt=$cnt+1;
    } } else { ?>

    <tr>

        <td colspan="8"> No record found against this search</td>

    </tr>

    <?php } }?>

        </tbody>

    </table>

```

```
        </div>
    </div>
</div>
</div>
<!-- //contact -->
```

```
<?php include_once('includes/footer.php');?>
```

```
<!-- js -->
<script src="js/jquery-2.2.3.min.js"></script>
<script src="js/SmoothScroll.min.js"></script>
<script src="js/jarallax.js"></script>
<script type="text/javascript">
    /* init Jarallax */
    $(' .jarallax').jarallax({
        speed: 0.5,
        imgWidth: 1366,
        imgHeight: 768
    })
</script>
<!-- //js -->
<!-- start-smooth-scrolling -->
<script type="text/javascript" src="js/move-top.js"></script>
<script type="text/javascript" src="js/easing.js"></script>
<script type="text/javascript">
    jQuery(document).ready(function($) {
        $(".scroll").click(function(event){
```

```

        event.preventDefault();

        $('html,body').animate({ scrollTop:$(this.hash).offset().top},1000);
    });
});
</script>
<!-- //end-smooth-scrolling -->
<!-- smooth-scrolling-of-move-up -->
<script type="text/javascript">
    $(document).ready(function() {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element hover id
            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */
        $.UItoTop({ easingType: 'easeOutQuart' });
    });
</script>
<!-- //smooth-scrolling-of-move-up -->
<!-- Bootstrap core JavaScript
===== -->
<!-- Placed at the end of the document so the pages load faster -->
<script src="js/bootstrap.js"></script>
</body>
</htm

```

CHAPTER 6

SOFTWARE TESTING

Software testing is an investigation conducted to provide stakeholders with information about the quality of the product or service under test. Software testing can also provide an objective, independent view of the software to allow the business to appreciate and understand the risks of software implementation. Test techniques include but are not limited to the process of executing a program or application with the intent of finding software bugs (errors or other defects). Software testing can be stated as the process of validating and verifying a computer program/application/product:

- 1.Meets the requirements that guided its design and development
2. Works as expected
- 3.Can be implemented with the same characteristics
4. And satisfies the needs of stakeholders

6.1 TEST CASE SCENARIO

In the test case scenario, the cases are derived to ensure that all statements in the program have been executed at least once during testing and all logical conditions have been executed. It executes all the loops at their boundaries and within their operational bounds. If the test result is pass, the testing is done successfully else the process is repeated until we get the result is pass.

6.2 MANUAL TESTING

S.NO	TEST CASE SCENARIO	EXPECTED RESULT	TEST RESULT	TEST ANALYSIS
1	Login/Home page review	Review executed successfully	Review executed successfully	PASS
2	Pass registration	Registered Successfully	Registered Successfully	PASS
3	Update /view/Edit/remove pass	Successfully	Successfully	PASS
4	Download Pass	Successfully	Successfully	PASS

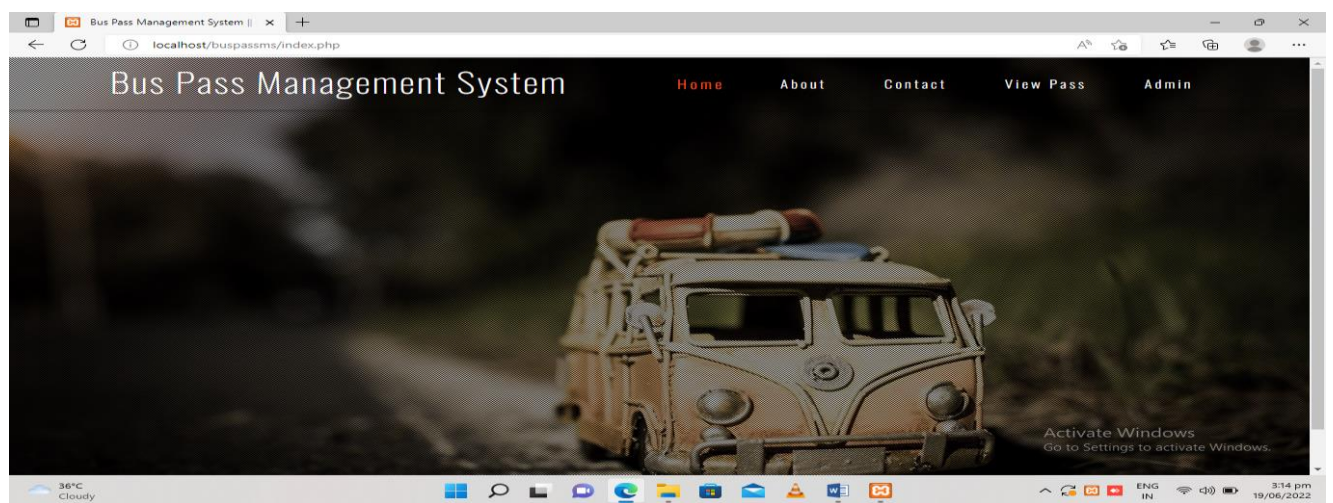
CHAPTER 7

RESULTS

7.1 HOME PAGE

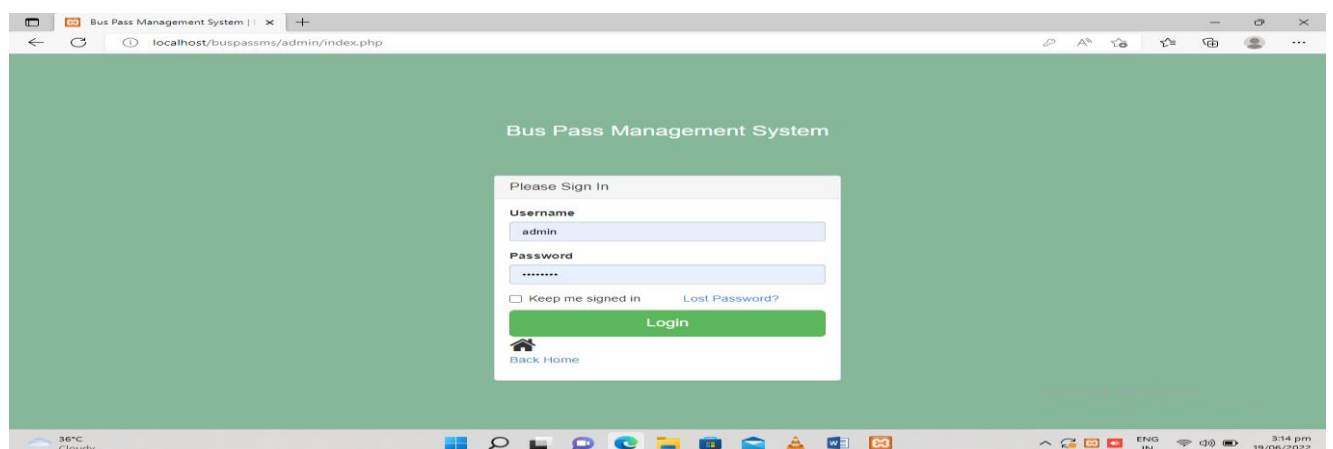
Here the user and Admin can see the home page of the software in this home page.

Admin can view login and registration and add new pass& new categories, edit the pass, and manage the pass. User can only view the pass and download their own itself in the home page.



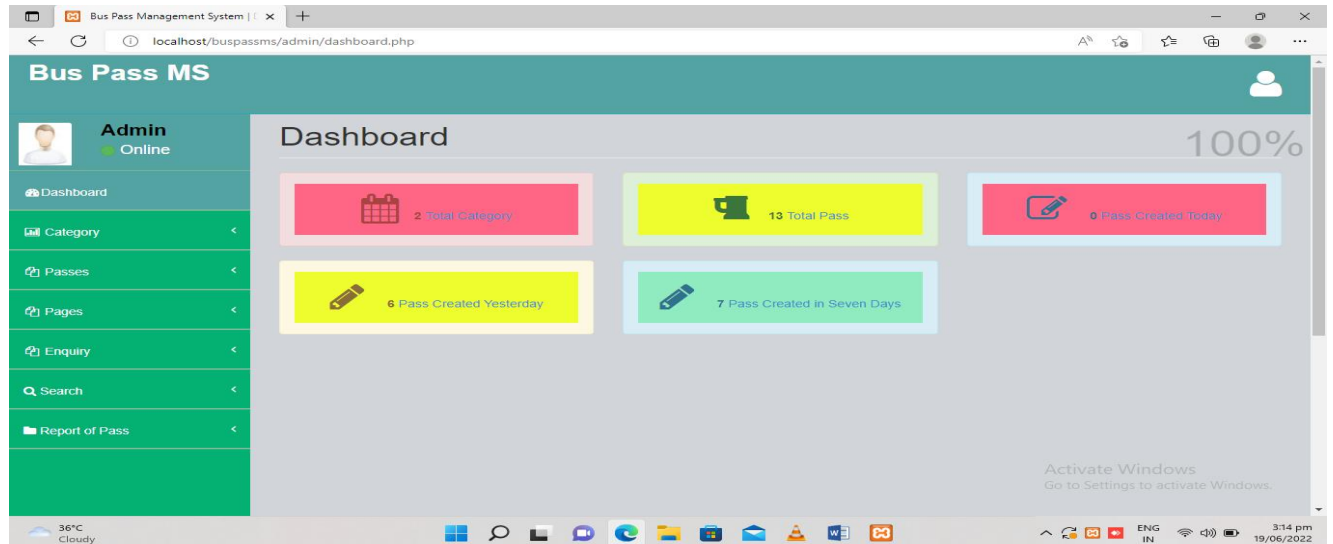
7.2 Log in Page

- Here Admin have to sign up before entering into system



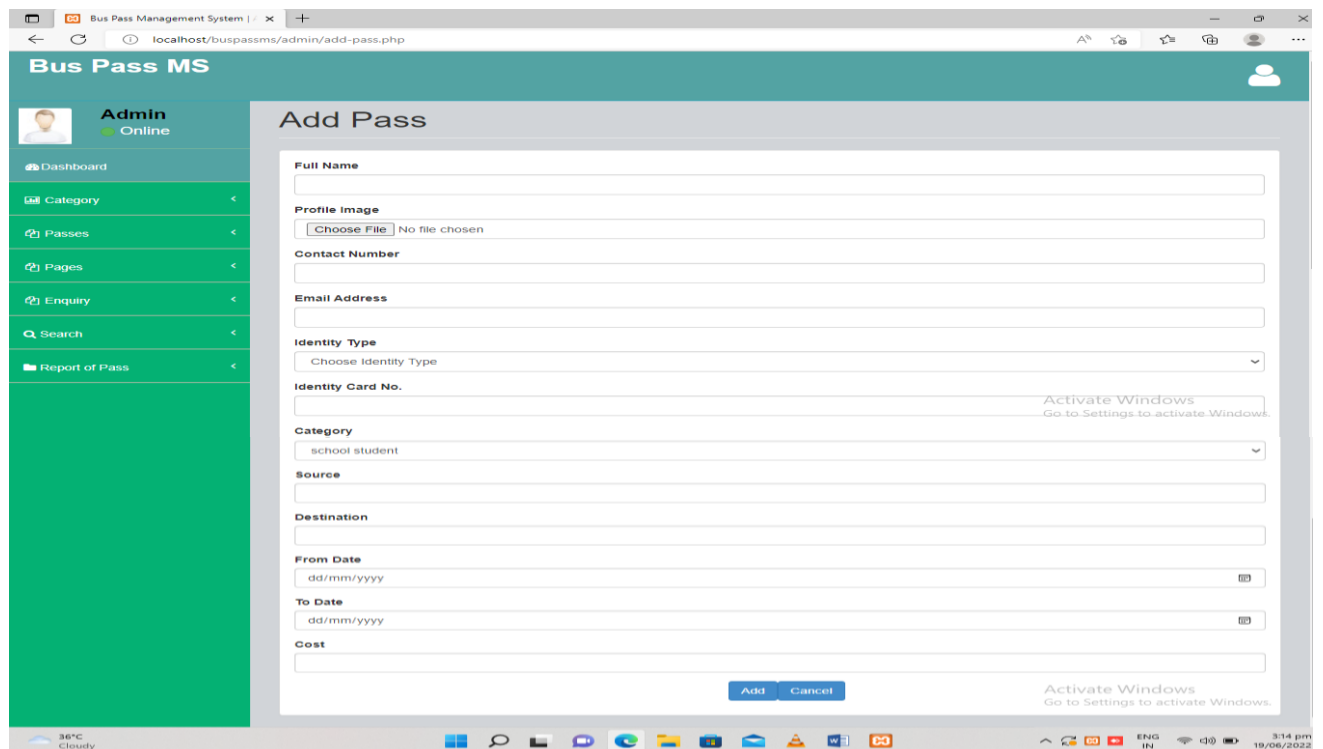
7.3 Admin Page

-Here Admin can do all the website managing activities like insert, update, delete the Buss pass



7.4 Add pass Page:

-Here Admin can only Add Bus Pass for a Particular person.



7.5 Manage Pass Page:

-Admin Can View / Edit the Pass by Manage Pass page.

Bus Pass MS

Admin
Online

Dashboard

Category

Passes

Pages

Enquiry

Search

Report of Pass

Manage Pass

10 records per page

Search:

S.NO	Pass Number	Full Name	Contact Number	Email	Creation Date	Action
1	286529906	Yogesh Kumar	4654464646	yogi@gmail.com	2020-04-14 17:17:03	View Edit
2	915773340	Suresh Khanna	9879878978	suresh@gmail.com	2020-04-13 17:20:15	View Edit
3	884595667	Anuj kumar	1234567890	phpgurukulofficial@gmail.com	2020-04-16 08:08:27	View Edit
4	210712236	Abir Singh	4654646546	abir@gmail.com	2021-07-04 20:31:38	View Edit
5	474965545	Augustya	6546465464	aug@gmail.com	2021-07-05 13:20:44	View Edit
6	681924385	gopinath	8300089120	b.gopinath@gmail.com	2021-07-11 14:23:44	View Edit
7	243901965	vishwadax	7339220084	vishwadax@gmail.com	2022-06-16 18:16:07	View Edit
8	350707343	dax	7339220084	vish@gmail.com	2022-06-18 14:28:32	View Edit
9	943988609	dax	7339220084	vish@gmail.com	2022-06-18 14:31:32	View Edit
10	506236574				2022-06-18 14:32:43	View Edit

7.6 Search pass by User Page:

Here User can give Pass number / Mobile number. They show the Pass matched.

Bus Pass MS

Admin
Online

Dashboard

Category

Passes

Pages

Enquiry

Search

Report of Pass

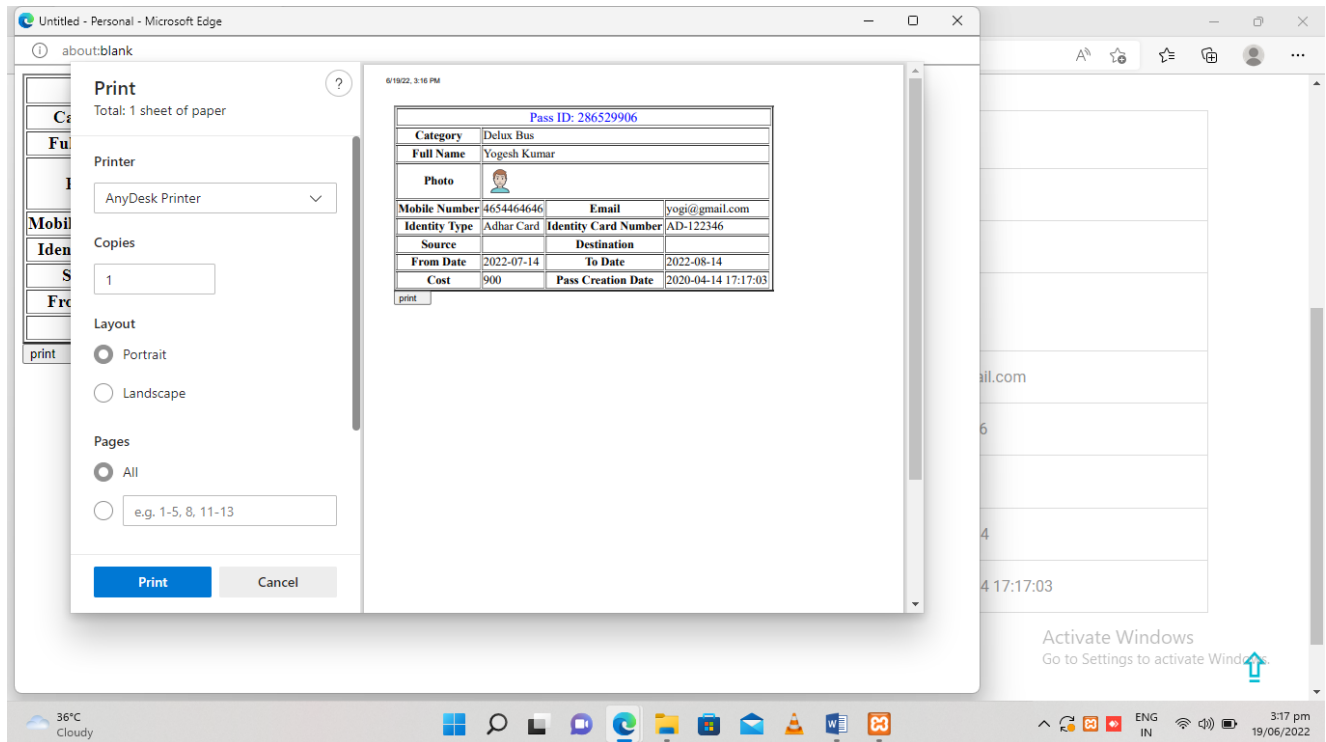
Search Pass

Search by Pass Number/Mobile Number

[Search](#)

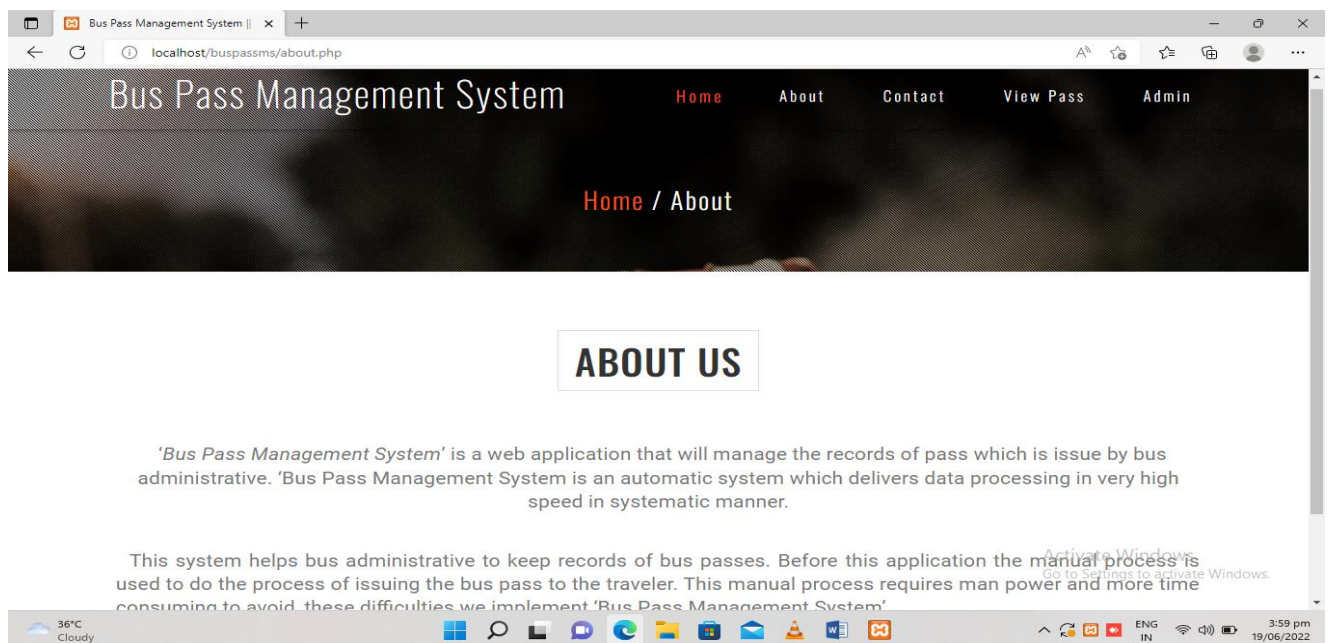
7.7 Download pass Page:

- User can download their Bus pass.



7.8 About us :

- This page describes about the details of the website developer



CHAPTER 8

CONCLUSION AND FUTURE ENHANCEMENT

8.1 CONCLUSION

‘Bus Pass Management System’ has many powerful features and is certainly more than a "simple" diagramming tool. With its support of MDA (Model Driven Architecture), it is more aimed at people using UML in an intensive way and with some code generations objectives than for simply drawing diagrams to document requirements. However, using ‘Bus Pass Management System’ just as a diagramming tool work fine, especially on Windows as the tool is built with Delphi and might execute faster than the Java-based tools. Modern world is computer world where the things have to be done promptly that requires optimal resources and optimal methods. Due to this inevitable requirement, computerization of each and every sector in the main stream is must, so that it can be held itself in the race. Few eye catching features of our project are its simplicity, accuracy, and its user friendly interface. Our software incorporates all the features and facilities provided by the Visual Studio software. This project has been developed to manage the entire working of the Curfew Pass administrative. Our software simplifies and replaces all the manual effort and the paper works done by the administrative to a completely electronically environment. Hence both the user and the administrative are at their ease. The user is serviced at his footsteps wherein he just types in the request and he is just a click away. We would like to convey our sincere gratitude and thanks to all, who stood as our backbone, in designing, formatting and helping us in executing this project successfully.

8.2 FUTURE ENHANCEMENT

This is not the overall description about the Buss Pass Management and Registration System. Some more forms can also be added so as to better in user side Application. We implemented the system as per the Governments Bus services well as we will implement Private Bus Services. Further enhancements can be made in designing the screens. Some more forms can also be added so as to better retrieve the Buss Pass details. Some more design can also be added in the particular system.

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