

LAB REPORT

Submitted by

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Under the Guidance of

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In partial satisfaction of the requirements for the degree of

**BACHELOR OF TECHNOLOGY
in
COMPUTER SCIENCE ENGINEERING
with specialization in Cloud Computing**



SCHOOL OF COMPUTING

**COLLEGE OF ENGINEERING AND TECHNOLOGY
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
KATTANKULATHUR – 603203**

JUNE 2022



SRM INSTITUTION OF SCIENCE AND TECHNOLOGY

KATTANKULATHUR-603203

BONAFIDE CERTIFICATE

Certified that this lab report titled “**Apartment management System** ” is the bonafide work done by **Dushyant Rao [RA2011028010106] Shubhra Kumari [RA2011028010093] Avipsha Panigrahi [RA2011028010101]** who carried out the lab exercises under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other work.

SIGNATURE

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DBMS – Course Faculty

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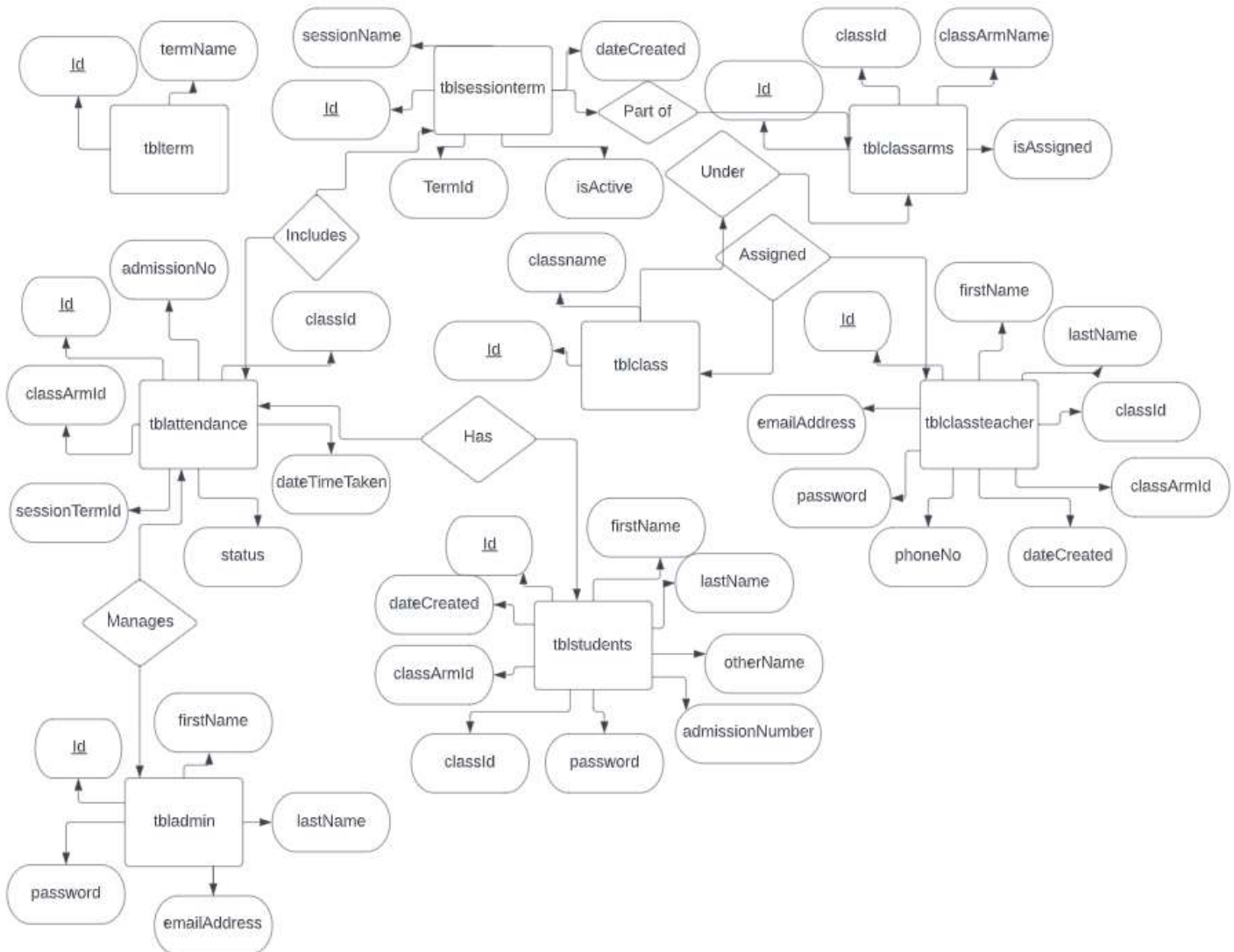
OBJECTIVE

- To reduce the time that is consumed when attendance is taken manually.
- To keep track of attendance of online meetings, classes, seminars using MySQL.
- To build an online system easily helps management to analyze student's attendance details as per requirement.
- To eliminate missed punches, incorrect time-entries.

ABSTRACT

Over the years the manual attendance management has been carried across most of educational institutions. To overcome the problems of manual attendance, we have developed “web based online attendance Management System”. Attendance Management System is based on web server, which can be implemented on any computer. In This application, PHP is server side language, MySQL and PHP is used as back-end design and HTML, CSS and JavaScript are used as front-end tools. The system communicates with database residing on a remote server. It calculates automatically, the attendance percentage of students without any manual paper-based work. The system facilitates the end users with interactive design and automated processing of attendance management

ER DIAGRAM



DESIGN

- The database of the website is made using MySQL.
- The UI and other part of website is made using html, , css, js.
- Linking has been done through php.

The tables used in the database are:

- tbladmin
- tbladministrator
- tblclass
- tblclassarms
- tblclassteacher
- tblsessionterm
- tblstudents
- tblterm

DATABASE USED

MySQL is a Relational Database Management System (RDBMS).

1. **Cost Free:** The benefit of using this database is that the user doesn't have to spend money to pay the license fee, as it is free of cost and available on the official website for download.
2. **Customizable Code:** As it is available as an open-source tool, software developers have an option to customize the source code as per their own applications and use it. The source code is freely available to web users.
3. **Secured:** It offers one of the most secured databases in the world. Its various security features like **Firewall**, **Encryption** and **User Authentication** are the helping hands in protecting sensitive user information from intruders.
4. **Better Performance:** It supports the multi-engine storage feature which facilitates database administrators to configure the database in a way to balances the workload. Hence, it makes the database flawless in terms of performance.
5. **Scalability:** It offers very good scalability to web applications through MySQL
6. **Platform-Friendly:** It is a platform-friendly database supporting a number of platforms like Microsoft Windows, Oracle Solaris, AIX, Symbian, Linux, MAC OS, etc.
7. **Friendly Interface:** It has a user-friendly interface with a lot of self- management features and different automated processes like configuration and administration-related tasks, which allows users to do the job effectively
8. **Easy to use:** As it supports SQL language, users don't need to be technical experts to access the database. It can be easily accessed by users with basic SQL knowledge and experience with other relational databases.

CODE FOR DATABASE

```
-- Attendance System By Dushyant Rao, Avipsha Panigrahi, Shubhra Kumari
-- phpMyAdmin SQL Dump
-- version 4.6.5.2
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Oct 07, 2021 at 11:01 AM
-- Server version: 5.6.21
-- PHP Version: 5.6.3
```

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";
```

```
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;
```

```
--
-- Database: `attendancemsystem`
--
```

```
-- -----
```

```
--
-- Table structure for table `tbladmin`
--
```

```
CREATE TABLE `tbladmin` (
  `Id` int(10) NOT NULL,
  `firstName` varchar(50) NOT NULL,
  `lastName` varchar(50) NOT NULL,
  `emailAddress` varchar(50) NOT NULL,
  `password` varchar(50) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `tbladmin`
--
```

```
INSERT INTO `tbladmin` (`Id`, `firstName`, `lastName`, `emailAddress`, `password`)
VALUES
```



```
(1, 'Admin', 'Liam', 'admin@mail.com', 'D00F5D5217896FB7FD601412CB890830');
```

```
-- -----
```

```
--  
-- Table structure for table `tblattendance`  
--
```

```
CREATE TABLE `tblattendance` (  
  `Id` int(10) NOT NULL,  
  `admissionNo` varchar(255) NOT NULL,  
  `classId` varchar(10) NOT NULL,  
  `classArmId` varchar(10) NOT NULL,  
  `sessionTermId` varchar(10) NOT NULL,  
  `status` varchar(10) NOT NULL,  
  `dateTimeTaken` varchar(20) NOT NULL  
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `tblattendance`  
--
```

```
INSERT INTO `tblattendance` (`Id`, `admissionNo`, `classId`, `classArmId`,  
`sessionTermId`, `status`, `dateTimeTaken`) VALUES  
(162, 'ASDFLKJ', '1', '2', '1', '1', '2020-11-01'),  
(163, 'HSKSDD', '1', '2', '1', '1', '2020-11-01'),  
(164, 'JSLDKJ', '1', '2', '1', '1', '2020-11-01'),  
(172, 'HSKDS9EE', '1', '4', '1', '1', '2020-11-01'),  
(171, 'JKADA', '1', '4', '1', '0', '2020-11-01'),  
(170, 'JSFSKDJ', '1', '4', '1', '1', '2020-11-01'),  
(173, 'ASDFLKJ', '1', '2', '1', '1', '2020-11-19'),  
(174, 'HSKSDD', '1', '2', '1', '1', '2020-11-19'),  
(175, 'JSLDKJ', '1', '2', '1', '1', '2020-11-19'),  
(176, 'JSFSKDJ', '1', '4', '1', '0', '2021-07-15'),  
(177, 'JKADA', '1', '4', '1', '0', '2021-07-15'),  
(178, 'HSKDS9EE', '1', '4', '1', '0', '2021-07-15'),  
(179, 'ASDFLKJ', '1', '2', '1', '0', '2021-09-27'),  
(180, 'HSKSDD', '1', '2', '1', '1', '2021-09-27'),  
(181, 'JSLDKJ', '1', '2', '1', '1', '2021-09-27'),  
(182, 'ASDFLKJ', '1', '2', '1', '0', '2021-10-06'),  
(183, 'HSKSDD', '1', '2', '1', '0', '2021-10-06'),  
(184, 'JSLDKJ', '1', '2', '1', '1', '2021-10-06'),  
(185, 'ASDFLKJ', '1', '2', '1', '0', '2021-10-07'),  
(186, 'HSKSDD', '1', '2', '1', '0', '2021-10-07'),  
(187, 'JSLDKJ', '1', '2', '1', '0', '2021-10-07'),  
(188, 'AMS110', '4', '6', '1', '0', '2021-10-07'),  
(189, 'AMS133', '4', '6', '1', '0', '2021-10-07'),  
(190, 'AMS135', '4', '6', '1', '0', '2021-10-07'),  
(191, 'AMS144', '4', '6', '1', '0', '2021-10-07'),
```

```
(192, 'AMS148', '4', '6', '1', '0', '2021-10-07'),
(193, 'AMS151', '4', '6', '1', '0', '2021-10-07'),
(194, 'AMS159', '4', '6', '1', '0', '2021-10-07'),
(195, 'AMS161', '4', '6', '1', '0', '2021-10-07');
```

```
-- -----
```

```
--
-- Table structure for table `tblclass`
--
```

```
CREATE TABLE `tblclass` (
  `Id` int(10) NOT NULL,
  `className` varchar(255) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `tblclass`
--
```

```
INSERT INTO `tblclass` (`Id`, `className`) VALUES
(1, 'Seven'),
(3, 'Eight'),
(4, 'Nine');
```

```
-- -----
```

```
--
-- Table structure for table `tblclassarms`
--
```

```
CREATE TABLE `tblclassarms` (
  `Id` int(10) NOT NULL,
  `classId` varchar(10) NOT NULL,
  `classArmName` varchar(255) NOT NULL,
  `isAssigned` varchar(10) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--
-- Dumping data for table `tblclassarms`
--
```

```
INSERT INTO `tblclassarms` (`Id`, `classId`, `classArmName`, `isAssigned`) VALUES
(2, '1', 'S1', '1'),
(4, '1', 'S2', '1'),
(5, '3', 'E1', '1'),
(6, '4', 'N1', '1');
```

```
-- -----
```

```
--  
-- Table structure for table `tblclassteacher`  
--
```

```
CREATE TABLE `tblclassteacher` (  
  `Id` int(10) NOT NULL,  
  `firstName` varchar(255) NOT NULL,  
  `lastName` varchar(255) NOT NULL,  
  `emailAddress` varchar(255) NOT NULL,  
  `password` varchar(255) NOT NULL,  
  `phoneNo` varchar(50) NOT NULL,  
  `classId` varchar(10) NOT NULL,  
  `classArmId` varchar(10) NOT NULL,  
  `dateCreated` varchar(50) NOT NULL  
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `tblclassteacher`  
--
```

```
INSERT INTO `tblclassteacher` (`Id`, `firstName`, `lastName`, `emailAddress`,  
`password`, `phoneNo`, `classId`, `classArmId`, `dateCreated`) VALUES  
(1, 'Will', 'Williams', 'teacher@mail.com', '32250170a0dca92d53ec9624f336ca24',  
'09089898999', '1', '2', '2020-10-31'),  
(4, 'Demola', 'Ade', 'Kumolu@gmail.com', '32250170a0dca92d53ec9624f336ca24',  
'09672002882', '1', '4', '2020-11-01'),  
(5, 'Ryan', 'McQuie', 'ryan@mail.com', '32250170a0dca92d53ec9624f336ca24',  
'7014560000', '3', '5', '2021-10-07'),  
(6, 'John', 'Greenwood', 'jwood@mail.com', '32250170a0dca92d53ec9624f336ca24',  
'0100000030', '4', '6', '2021-10-07');
```

```
-- -----
```

```
--  
-- Table structure for table `tblsessionterm`  
--
```

```
CREATE TABLE `tblsessionterm` (  
  `Id` int(10) NOT NULL,  
  `sessionName` varchar(50) NOT NULL,  
  `termId` varchar(50) NOT NULL,  
  `isActive` varchar(10) NOT NULL,  
  `dateCreated` varchar(50) NOT NULL  
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `tblsessionterm`  
--
```

```

INSERT INTO `tblsessionterm` (`Id`, `sessionName`, `termId`, `isActive`,
`dateCreated`) VALUES
(1, '2019/2020', '1', '1', '2020-10-31'),
(3, '2019/2020', '2', '0', '2020-10-31');

-----

--
-- Table structure for table `tblstudents`
--

CREATE TABLE `tblstudents` (
  `Id` int(10) NOT NULL,
  `firstName` varchar(255) NOT NULL,
  `lastName` varchar(255) NOT NULL,
  `otherName` varchar(255) NOT NULL,
  `admissionNumber` varchar(255) NOT NULL,
  `password` varchar(50) NOT NULL,
  `classId` varchar(10) NOT NULL,
  `classArmId` varchar(10) NOT NULL,
  `dateCreated` varchar(50) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `tblstudents`
--

INSERT INTO `tblstudents` (`Id`, `firstName`, `lastName`, `otherName`,
`admissionNumber`, `password`, `classId`, `classArmId`, `dateCreated`) VALUES
(1, 'Thomas', 'Griswold', 'none', 'AMS005', '12345', '1', '2', '2020-10-31'),
(3, 'Samuel', 'Rosella', 'none', 'AMS007', '12345', '1', '2', '2020-10-31'),
(4, 'Milagros', 'Lawson', 'none', 'AMS011', '12345', '1', '2', '2020-10-31'),
(5, 'Luis', 'Ayo', 'none', 'AMS012', '12345', '1', '4', '2020-10-31'),
(6, 'Sandra', 'Salgado', 'none', 'AMS015', '12345', '1', '4', '2020-10-31'),
(7, 'Smith', 'Mack', 'Mack', 'AMS017', '12345', '1', '4', '2020-10-31'),
(8, 'Juliana', 'Debiie', 'none', 'AMS019', '12345', '3', '5', '2020-10-31'),
(9, 'Richard', 'Grimmer', 'none', 'AMS021', '12345', '3', '5', '2020-10-31'),
(10, 'Jon', 'Boller', 'none', 'AMS110', '12345', '4', '6', '2021-10-07'),
(11, 'Aida', 'Hawley', 'none', 'AMS133', '12345', '4', '6', '2021-10-07'),
(12, 'Miguel', 'Bush', 'none', 'AMS135', '12345', '4', '6', '2021-10-07'),
(13, 'Sergio', 'Hammons', 'none', 'AMS144', '12345', '4', '6', '2021-10-07'),
(14, 'Lyn', 'Rogers', 'none', 'AMS148', '12345', '4', '6', '2021-10-07'),
(15, 'James', 'Dominick', 'none', 'AMS151', '12345', '4', '6', '2021-10-07'),
(16, 'Ethel', 'Quin', 'none', 'AMS159', '12345', '4', '6', '2021-10-07'),
(17, 'Roland', 'Estrada', 'none', 'AMS161', '12345', '4', '6', '2021-10-07');

-----

```

```

--
-- Table structure for table `tblterm`
--

CREATE TABLE `tblterm` (
  `Id` int(10) NOT NULL,
  `termName` varchar(20) NOT NULL
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `tblterm`
--

INSERT INTO `tblterm` (`Id`, `termName`) VALUES
(1, 'First'),
(2, 'Second'),
(3, 'Third');

--
-- Indexes for dumped tables
--

--
-- Indexes for table `tbladmin`
--
ALTER TABLE `tbladmin`
  ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblattendance`
--
ALTER TABLE `tblattendance`
  ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblclass`
--
ALTER TABLE `tblclass`
  ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblclassarms`
--
ALTER TABLE `tblclassarms`
  ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblclassteacher`
--

```

```

ALTER TABLE `tblclassteacher`
  ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblsessionterm`
--
ALTER TABLE `tblsessionterm`
  ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblstudents`
--
ALTER TABLE `tblstudents`
  ADD PRIMARY KEY (`Id`);

--
-- Indexes for table `tblterm`
--
ALTER TABLE `tblterm`
  ADD PRIMARY KEY (`Id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `tbladmin`
--
ALTER TABLE `tbladmin`
  MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;
--
-- AUTO_INCREMENT for table `tblattendance`
--
ALTER TABLE `tblattendance`
  MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=196;
--
-- AUTO_INCREMENT for table `tblclass`
--
ALTER TABLE `tblclass`
  MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
--
-- AUTO_INCREMENT for table `tblclassarms`
--
ALTER TABLE `tblclassarms`
  MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;
--
-- AUTO_INCREMENT for table `tblclassteacher`
--
ALTER TABLE `tblclassteacher`

```

```

    MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=7;
--
-- AUTO_INCREMENT for table `tblsessionterm`
--
ALTER TABLE `tblsessionterm`
    MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
--
-- AUTO_INCREMENT for table `tblstudents`
--
ALTER TABLE `tblstudents`
    MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=18;
--
-- AUTO_INCREMENT for table `tblterm`
--
ALTER TABLE `tblterm`
    MODIFY `Id` int(10) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;

```

CONCLUSION AND FUTURE WORK

Overall, the project is considered a success, where all the functional and non-functional requirements have been successfully implemented. The success of the project can also be judged on the basis of meeting the objectives of the project. It is grateful that the deliverable in this project have been produced and delivered on time. This essentially important because failing to meet the deadlines could deter the success of a project, which happens almost to every project in the world today.

This project can be utilized in taking attendance of members in an online event, seminars, or meetings. The software will have to be integrated with the event and attendance will be taken automatically.

