

A
Project Report
On
“COACHING MANAGEMENT SYSTEM”

By

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TY [CSE-II]

Under The Guidance

Of

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Submitted to



**Mahatma Gandhi Mission's College of Engineering
,Nanded (M.S.)**

Under

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL
UNIVERSITY, LONERE
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“COACHING MANAGEMENT SYSTEM”

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In partial fulfillment of the requirement for the degree of
BACHELOR OF TECHNOLOGY

In
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By

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DEPARTMENT OF COMPUTER SCIENCE &ENGINEERING
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NANDED (M.S.)

Academic Year 2022-23

Certificate



This is to certify that the project entitled

“COACHING MANAGEMENT SYSTEM”

*being submitted by **Mr. Shaikh Noman Ahmed & Mr. Shaikh Shahed** to the Dr. Babasaheb Ambedkar Technological University, Lonere, for the award of the degree of Bachelor of Technology in Computer Science and Engineering, is a record of bonafide work carried out by them under my supervision and guidance. The matter contained in this report has not been submitted to any other university or institute for the award of any degree.*

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Abstract

Coaching Management System is a web based project which is designed for the better interaction among students, teachers, parents and authority. Admin panel handles the security issues very carefully. In our Coaching Management System admin can add student and if needed admin can edit student information. Admin have this permission to delete student information. By this application admin will be able to manage Exam marks easily. Admin can easily send marks to the guardian via SMS management system. There is nice feature of attendance management system on this application. In this application admin can easily add class routine, add subject and remove class routine and subject if needed. The viewers can see the coaching Information from Coaching website. Viewers can easily read all the notice by just browsing our online site anywhere at any time. It allows people to get all the information which will provide all the information of our coaching with help of authority. Moreover, this site is free for everyone to see coaching details and most beneficial is that people can easily connect with coaching authority.

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Chapter 1

INTRODUCTION

1.1 Introduction

Coaching Management System has much importance to get updated information student's activities by clicking the website. From here we started to think how we can keep connection with students and parents within short period of time. And then we started to work on our project named Coaching Management System. Sometimes students may not be able to get latest notice so that they may miss important classes, exam time or any necessary events. Keeping these things in mind we started working on Coaching Management System so that we can easily let know students and parents about their progress. We also add calendar here so that we can update attendance, results according to date and it will be much more useful to our students. Our final goal should be how easily and shortly we give the latest notice or information's to students and parents. Here we create a complete coaching management project which will provide us the full managing process of any coaching. By this project coaching authority can easily handle all the managing system of coaching. Manually, this is very difficult to manage everything of a coaching, so we try our best to create a project which will be very helpful for managing a coaching center easily. On the other hand, students and parents can easily connect with teachers easily by this project. They can easily find all the necessary information and notice from coaching website.

1.2 Motivation

When we started our work first of all we downloaded that project paper that is related to our work. Then we reviewed all those papers. After that we discussed our honorable supervisor Mohammad Monirul Islam, Senior Lecturer of Daffodil International University, Department of CSE. When we share our plan to our honorable supervisor, he also showed interest in our project and pleasingly accepted our proposal and then gave us some necessary directions to complete our project properly. Without his directions and supports, it would not be possible to complete the project properly.

The motive behind this work, sometimes we may face some difficulties to get accurate information, exam schedule and attendance reports according to dates. So, that we want to ensure that every single thing that happen every day in our coaching students are must know before the event. The

competitive world is updating very fast. If we want to cope up with challenging universe, we need to establish digital/online platform which will be very effective for everyone to know the latest information. Manual systems are now less popular but the online system is becoming more popular and profitable now a days.

1.3 Objectives

Here we create a complete coaching management project which will provide us the full managing process of any coaching. By this project coaching authority can easily handle all the managing system of coaching. Manually, this is very difficult to manage everything of a coaching, so we try our best to create a project which will be very helpful for managing a coaching center easily. On the other hand, students and parents can easily connect with teachers easily by this project. They can easily find all the necessary information and notice from coaching website.

1.4 Expected Outcomes

There might be some communication problems or sometimes language might be a barrier. As a result, the current system (manual system) is not effective and efficient to use anymore. As entire booking has to be done manually at the restaurant end, the chances of occurrence of mistakes is high as well.information, menu information, customer ordering information and generate report well. Even assigning orders (or some menu from the order) to a specific cook can be cumbersome if it is done parallel with the bookings of the order

- Student can easily connect with teachers.
- Admin can easily handle all the managing system.
- New visitors can easily know about the coaching
- To organize all the contents of the report required font and size are being used.
- To coordinate the content specific margins and spaces are being used.

1.5 Page Layout

- Related information's are used in every tropic sufficiently.
- Every tropic has been coordinated with some paragraph as it becomes easy to understand.
- To represent the tropic's content more easily images and figures are being used.
- To organize all the contents of the report required font and size are being used.
- To coordinate the content specific margins and spaces are being used.
- To represent the content's value more accurately bullet points are being used.
- To find out all the content more easily required format and menus has been used.

Day by day we are upgrading by technologies. There is no sector where technologies are not used. As a result, technology also touch the education sector too. So we are trying to make a modern application for coaching management. This application will make time more shorter than previous time. Also the maintenance system will more easier of this modern application. This system easily keep interaction between authority, student and guardian. By using this application teachers and guardian can easily keep focus on student activities.

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Chapter 2

BACKGROUND

2.1 Introduction

The main purpose to create this Coaching Management System is to provide the valid information and activities of students instantly to the guardians. For the purpose of this project we researched some related school management system features but we notice some lacking's in those projects. For this reason, we decided to create a Coaching Management System that will be easy to use with some update features. In our Coaching Management System, we will include some other interesting features in future.

Administrator or manager is the person who will manage the entire system. he is allowed to reassign the cook according to his priority, he can edit the menu information such as its price, items available currently, etc. This type of user will also do maintenance and control the application of this system. A manager can reassign the cook for a specific order or an item. Administrator takes a responsibility to register new customer, register new waiter, register new menu into database. A manager can edit/create some or whole part of the menu record on daily basis. That is by changing the menu items, prices, description, etc.

A powerful combo of emails and landing pages can be used both to nurture existing relationships with customers and to acquire new ones. After building a list of contacts, your carefully crafted email lets you entice readers with your offer, while the landing page fills in the details and directs visitors toward a call to action

2.2 Related Work

We look some system that we want to build up. Like that we are in initial stage, we want to build up a system which will be simple to use and smarter than other coaching management system. We always see some coaching management more sufficient information but there is also some lacking as well. Since we are in basic stage and we have end

time for this cause this system will not that much interesting but it shall be used amiable. Although we get adequate time later, we will like to work on it so that it seems to be most attractive and intelligent. We are trying to improve and adjust as many characteristics as possible in our coaching management.

Some national and international school managing sites that are related to our project, links are given below and these projects are quite similar to our coaching management system.

2.3 Comparative Studies

We noticed some common functions that are related to our project but we made some difference in our Coaching Management System. They contain much more information than ours but sometimes they do not provide the type of information that students and parents want to see. So, we are looking forward to work on it. Our Coaching Management System will be much more user friendly and smarter than other. Most often we see a vast amount of advertisement in other management system which is very annoying for the website visitors. So, it will be a much competitive advantage for us. We will not allow advertisement in our web application. It will not only reduce parents' hassle but also save their valuable time. They can easily know their child's progress without visiting coaching.

2.4 Challenges

Our real challenges are attendance report which are not working properly and also budgeting issues which are needed for better management. In addition, teachers are not always being available and open to meet deadlines. One of the biggest challenges is feedback. It is so hard for people because they are afraid of damaging the relationship or demotivating people.

2.5 Summary

Coaching management system is the process of supporting a class or a student to improve styles of learning, ways of thinking and how to face challenge of any exam. During the last 10 years, coaching has become an effective process in helping student and clients for reaching their goals and improve their performance, not only UK and

USA, but also in Bangladesh. However, coaching management spirit the relationship and trust where student asking question and also feedback, awareness, suggestions, simplification, goals and action plan.

Email is often touted as the most effective marketing channel out there because of its enormous reach (and low costs) compared to other platforms. A 2018 study by the Radicati Group projects that there'll be 4.2 billion email users by 2022. That's more than half the planet!

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This user will register to be a member to use the online system of this Food Festival. This online ordering divided into two type of customer; it is customer dine-in ordering and takeaway ordering. For dine in ordering, customer will view menu, make online ordering and make a reservation table. This system allows customer to place an order or allow him to cancel the book order. But takeaway ordering, customer can view menu and online ordering without reservation table. During login, the costumer has to enter the time of delivery, and the menu items will appear accordingly. As availability of items differ from time to time. After customer make online ordering, customer can take ordering the date that customer was choose during make online ordering. Customers can search menu according to price range and the category as well, Event though, customer must confirm online ordering with restaurant three days before customer take the ordering for dine-in customer and for

take-away customer will be confirm one hour before it whether by email or phone. customer can create his new account or he can edit his personal information from the existing account. The proposed system will be developed with interactive menus, pop-up messages etc. for the easiness of the user. Customer can select the required food item with available customizations and the can change the order at any time before checking out online. If order is confirmed, it will display a pop-up message as confirmation to the customer. When the order is placed it's recorded in the database and retrieved in real time manner. Through this option Restaurant Employees are allowed to quickly go through the orders which they have received. Therefore, they can process all orders efficiently and effectively with minimal delays and confusion.

3 1.4 Motivation for the project

The motivation of this project comes with observing their difficulties in busy situation while I was there as I usually visit the place to order food. Personally I don't have much time to wait in long queues.

Chapter 3

REQUIREMENT SPECIFICATION

Software Development Life Cycle Modeling

Software Development life cycle Or SDLC is a method that will be usage in our coaching management system provided that design, create and improve high quality software. SDLC is a process that will be ensured the upper skill of our coaching management and this will clearly allow documents and wish. Further, it will aid us to create a profitable and prosperous quality coaching management. With regards to generate our coaching management at first we build up a plan. We also explore the documents that are obligatory and important to significant our total plan. Moreover, we started working on designing the courses of actions that we will use to gain our prospective result. After that we implement our courses of action to create our coaching management. After completing our portal, we test it our system whether it is working or not. We have found some trouble attesting time and we have fixed all the problems. Then we feel the importance of maintenance which is a continuous process. It is the most important part for our coaching management. Although we do not have more time to work on further maintenance so that we will not working on maintenance. Though someone feels interest for working on this, they may work for further maintenance.

3.1 Hardware Provisions:

- ☐ Processor Speed: 1.2GHZ or aloft.
- ☐ RAM: 1 GB RAM or aloft.
- ☐ Hard Disk: 50 GB hard disk or aloft.
- ☐ Processor: Intel dual core or aloft.

3.2 Software Requirements:

In our news portal website, we use some of technology to evolve. Those are:

- ☐ Internet Browser
- ☐ MySQL

- ☐ TextEditor(ex: notepad, SublimeText, VisualStudio)
- ☐ PHP7
- ☐ HTML5
- ☐ CSS
- ☐ Bootstrap3
- ☐ Laravelframework

3.3 Use Case Diagram and Description

A use case is a written description of how users will perform tasks on your website. It outlines, from a user's point of view, a system's behavior as it responds to a request. Each use case is represented as a sequence of simple steps, beginning with a user's goal and ending when that goal is fulfilled.

Use case diagram is important for some other immature software system framework/programming. Use case diagram tells the general purpose but not the accurate way to get it started and not the basic (how) method to do it. It is possible to denote both textual and visual representation (such as UML) using cases once specified. A primary use case modeling principle is that it allows us to design the project criteria.

3.4 Design Requirements

We provide many things so that it allows the users access our website quickly and conveniently. We felt certain important requirements that were necessary for our project at the time of growth. The key criteria are stated below:

- Easy to use
- Accuracy
- Flexible and user-friendly
- Efficiency
- Fast browsing speed
- Free for students and guardians
- Real-time website
- Compatible

- Increased site performance

The company explained what type of services they offer, demonstrate their application, and added two types of action buttons: one for the registration and another one for the video of the product. Plus, they placed a special offer at the top of their header, which allows new users to try their app for a lower price. The main idea behind the header is to provide the most important information about your product right away. If you hit the target and a person finds this information useful, they will scroll for further details.

A title which will definitely pop should include a description the benefits your product will bring to customers and a call to action, all rendered within a 2-3 word sentence. In the description, you can write a couple of short sentences which elaborate on the title and uncover important details which users need to know right away.

After visitors have been introduced to the product, it's time to tell them more. In the description, you should focus on the customers' pain points, beginning with the customer experience. Show how your product works and how it can solve the real or potential problems of your audience. Then, add a little more details as a bonus. They may not necessarily be a huge gain for a user, but will be a nice complement to the main product. Try to guide your visitors' eyes through the page and make sure that every important point is visually highlighted.

As you see, Mango Languages used large headings, images, and buttons to present the number of languages they offer and the way their app works. After that, they added a separate visual block to show that their app can be used by various people and organizations and provided links to more details.

Chapter 4

Design Specification

4.1 Front-End-Design:

Front-end design is the part of our project where admin and viewers (students and parents) can see the front view of our website.

HTML

- ☐ HTML Tags, Elements, Attributes, Headings, Paragraph, Line Breaks, Lists, Font, image, Tables, Media and Charset.
- ☐ HTML Forms, Checkbox, Input, Text fields, Radio Button and Text, select option, div etc.
- ☐ HTML5 Header, Footer, DOCTYPE, Canvas etc.

CSS

- ☐ Transform, Transition, Animation etc.
- ☐ Menu concept (Multiple, Single, Dropdown)
- ☐ Media query for responsive design
- ☐ Template Design using CSS div
- ☐ Advanced CSS (Border-radius, box, layer, display, float, position, gradient)
- ☐ Google font
- ☐ Basic CSS (Selector, internal, class, external, inline, id, background, font, margin, Border, list CSS, color, hovering and elements)

Bootstrap

- ☐ Java Scripts
- ☐ Typography
- ☐ Fade effect
- ☐ Tables, Buttons, Forms, Images

- ☐ Button group, Dropdown
- ☐ Bootstrap card
- ☐ Flush
- ☐ Grid System
- ☐ Navigation Element

4.1.1 User/Guest home page

This is the Home Page of our Vector Academic Coaching. Viewers can see all information about the coaching. Viewers can use navigation bar list for their necessary information. Here is a login button for admin panel. Parents and students can easily contact with admin by using contact page.

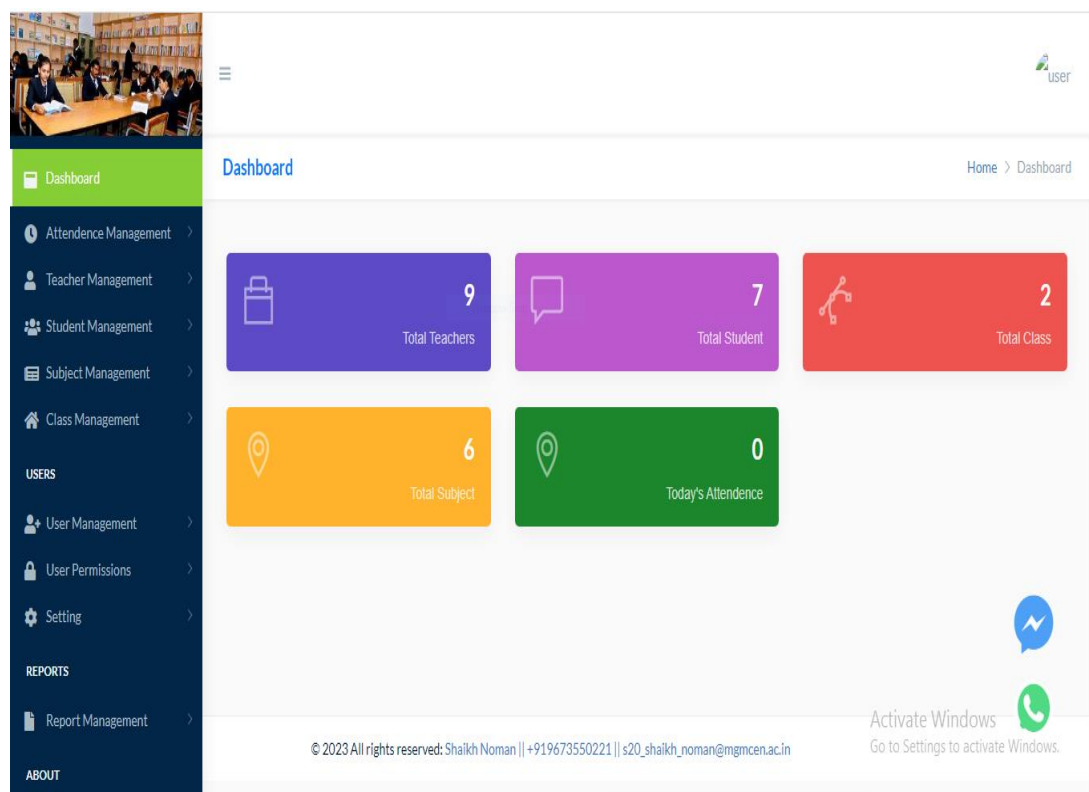


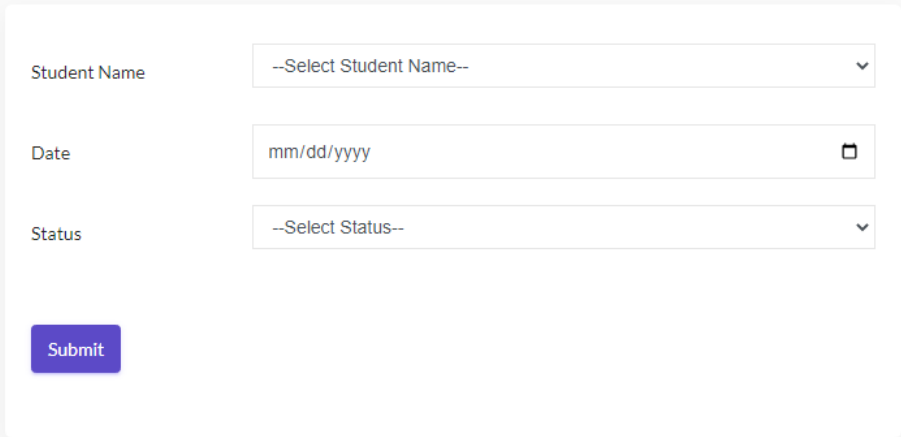
Figure4.1 Home Page

4.2 Interaction design and UX

My System will be going to help train travelers, especially a part of current train location information. Most of the traveler wants to get train information easily but they don't get those types of services. So, I am not only providing online help services but also with 100% take care of them. I can guarantee my system will give you this type of service with quality. My system provides users valuable time to save, guidelines, quality, and accuracy. With the reliable form and security of all information about my system.

[Attendance Management](#)

[Home](#)



A form for attendance management with three input fields and a submit button. The first field is 'Student Name' with a dropdown menu showing '--Select Student Name--'. The second field is 'Date' with a text input showing 'mm/dd/yyyy' and a calendar icon. The third field is 'Status' with a dropdown menu showing '--Select Status--'. A blue 'Submit' button is at the bottom left.

Figure 4.2 attendance management

4.3 Implementation Requirements

We discuss all the technical requirements previously. If every portion is ready than I surely start the implementation of our system.

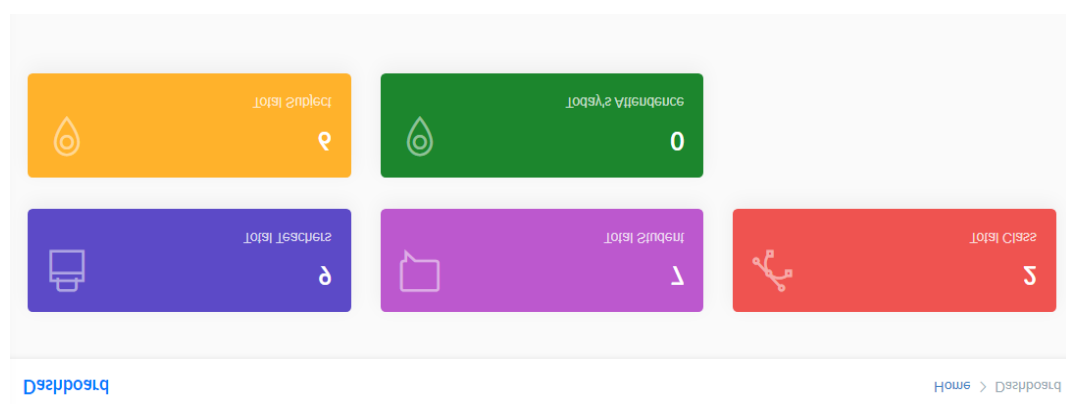


Figure 4.3 Dashboard

chapter 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database:

It is the procedure of database software installation, testing, running, integrating with application and training the user. It also provides information of four web pages meanwhile it calls. The database table of our project as stated below

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> admin	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> manage_website	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_attendance	★ Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_class	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_email_config	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_group	★ Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_permission	★ Browse Structure Search Insert Empty Drop	23	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_permission_role	★ Browse Structure Search Insert Empty Drop	38	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_sms_config	★ Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_student	★ Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_subject	★ Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> tbl_teacher	★ Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16.0 KiB	-
12 tables	Sum	91	InnoDB	utf8mb4_general_ci	192.0 KiB	0 B

Figure 5.1 Database Table

5.2 Implementation of Front-end Design

In chapter 4 there are the design for the front end and also talk about page works. This system is implement overall the design and permutation between design and back-end by HTML and CSS. It is the procedure of database software installation, testing, running, integrating with application and training the user. It also provides information of four web pages meanwhile it calls. The database table of our project as stated below

It is the procedure of database software installation, testing, running, integrating with application and training the user. It also provides information of four web pages meanwhile it calls. The database table of our project as stated below.

First Name	<input type="text" value="First Name"/>
Last Name	<input type="text" value="Last Name"/>
Class	<input type="text" value="--Select Class--"/>
Email	<input type="text" value="Email"/>
Gender	<input type="text" value="--Select Gender--"/>
Date Of Birth	<input type="text" value="mm/dd/yyyy"/>
Parents Contact	<input type="text" value="Parents Contact Number"/>
Address	<input type="text" value="Address"/>

Figure5.2 Add student

It is an action which is influenced by other action. In our system, the interaction between the design path way of Java Script and PHP backend and database. PHP used for server side; HTML, CSS and JS are used for client side. The interaction of the article is very fast and smooth. Different implementations might exist for a given particular.

Class Management

Class Name	<input type="text" value="Class Name"/>
<input type="button" value="Submit"/>	

Figure5.3 Database Table

Testing Implementation

5.2.1 Unit Testing

Unit Testing Unit testing is also known as component testing. primarily, it is used individual modules are tested to determine if there are issue by the developer himself/herself. that's way we find out our own start errors.

First Name	<input type="text" value="First Name"/>
Last Name	<input type="text" value="Last Name"/>
Email	<input type="text" value="Email"/>
Password	<input type="password" value="Password"/>
Gender	<input type="text" value="--Select Gender--"/>
Date Of Birth	<input type="text" value="mm/dd/yyyy"/>
Contact	<input type="text" value="Contact Number"/>
Address	<input type="text" value="Address"/>

Figure 5.4 Add user

5.2.2 Integration Testing

Integration testing is the second level of software testing. We have the brief achieved that front-end model. After that we have surrounded the back-end prefix. Then simply we have looked if any specific procedure of theme is without a doubt harmed. As well as looked every one so that user interface runs totally and not even.

5.2.3 Functional Testing

Functional testing is a kind of black-

box testing that is performed to confirm that the functionality of an application or system is behaving as expected. It is done to verify all the functionality of an application. Now we have filled up all of the initial dependence on this special task and as well as all of the features tend to be examined individually. Functional testing scenarios should be developed as early as possible during the process of specifying requirements. Functional testing describes what the system does, as opposed to what the system should do. It is in the difference between those two points that functional testing has its purpose.

The image shows a web form for email management. It contains six input fields with labels on the left and values in the input boxes. Below the fields is a blue 'Update' button.

Name	<student register>
Mail Driver Mail Host	mail.gmail.com
Mail Port	587
Mail Username	ndbhalerao91@gmail.com
Mail Password	*****
Mail Encryption	sdsad

Update

Figure 5.6 Email Management

5.2.4 System Testing

System testing is a level of testing that validates the complete and fully integrated software product. The purpose of a system test is to evaluate the end-to-end system specifications. System testing might check that every kind of user input produces the intended output across the application.

Assign Role

Name

Enter Name

Description

Enter Description

Permissions

(While selecting any sub roles like add,edit,delete you must require to select Main roles named with Manage Name.)

☐ Manage Student
☐ Add Student
☐ Edit Student
☐ Delete Student

☐ Manage Teacher
☐ Add Teacher
☐ Edit Teacher
☐ Delete Teacher

☐ Manage Subject
☐ Add Subject
☐ Edit Subject
☐ Delete Subject

☐ Manage Class
☐ Add Class
☐ Edit Class
☐ Delete Class

☐ Manage Attendance
☐ Add Attendance
☐ Delete Attendance
☐ Manage User

☐ Add User
☐ Edit User
☐ Delete User

Figure5.7 assign role

5.2.5 Usability Testing

Usability testing refers to evaluating a product or service by testing it with representative users. Typically, during a test participant will try to complete typical tasks while observers watch, listen and take notes. And we have examining with different end user and find the practical knowledge within the urinary incontinence in addition to the amount of they will find the ways simply.

5.3 Test Result

Many of us here performed different method of test out only keep up for various intent. After then we realize each of the test out there are innumerable effects. Test result concludes the software test life cycle, thus allowing us to look into the facts and figures and progressively plan the subsequent activity.

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Integration testing is the second level of software testing. We have the brief achieved that front-end model. After that we have surrounded the back-end prefix. Then simply we have looked if any specific procedure of theme is without a doubt harmed. As well as looked every one so that user interface runs totally and not even.

Conclusion

By doing a lot of hard work in our project, it will be a pleasure to declare that this vector academic coaching management has been created and elaborated not only for the real-time user but also for various purposes which will be highly motivating for the users. It is so much popular at present time and popularity is highly increasing. Since we have created it free for them that why people will not have to pay any money. In this project we have completed partially after the many important features and other related objects will be added in future. We have a lot of opportunity in where we can add our future work. Although greater portion of the requirements have been fulfilled in this report but we have found some end as well. Overall we can say that our vector academic coaching management system is far better than any other coaching management since we have differentiated and added a lot of new features. In our project there are some opportunities to add important and useful features which are not added in other coaching management still. If any people want to work on this project, he/she has some scope to work on it for more development. Some key features are as stated below which can be added in future.

- ✓ Google map can be added
- ✓ Transport system can be added
- ✓ Accounts section can be included

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