Web Page Design Using PHP, HTML, CSS

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ABSTRACT

The proposed paper here defines the importance of web development and use of websites in modern education system. In order to present as the best amongst the reputed institutes, every college now a days prepare to go online in order to reach out up to the large number of upcoming entries as quickly as possible. This site helps the student to get rid of all the hectic process and conducts the operation smoothly.
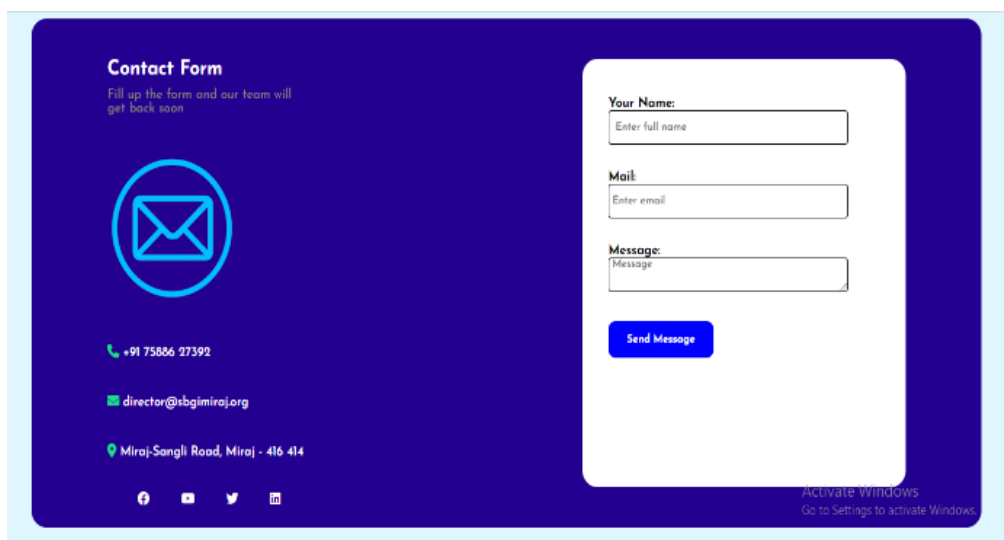
Key Words: *Education system, Web development*

INTRODUCTION

This is a web application allows to get the whole information about the college, staffs, facilities etc. This application provides a virtual tour of Campus. An applicant is a person who seeks admission and a student is the one who gets admitted to school/college/institute/university. Visiting off site campus, taking application form, filling it, and then the Submission is a backdated story. In the digital world, why should someone go offline to fill & submit the admission form. By using information technology process of applicant to student became easy. To automate and to make ease out of it to end users, it is really vital to make admission and selection processes online. Referring to real time challenges of admission and selection process; we have designed and developed a comprehensive online admission system according to institutes' nature. Design includes both the principles of design balance, contrast, emphasis, rhythm, shapes, texture, color, and direction. A good web designer understands principles of design but and constraints of the Web. A successful developer understands the challenges of web type design. A successful web professional also has a firm grasp of the strengths of digital communication.

PROPOSED WORK

Here everything that candidate will see after visiting the college site about the institute has been structured, developed and designed using certain number of languages.When student come to web page it give complete virtual tour of college and the facilities. Then if he or she has any doubt about the college then it has contact form that has name, email ID, and message that he want to send. Then all the data goes via PHP to store the Data to database.

Navigation

When the user inputs a URL into their browser, that page's elements are downloaded from web servers. The browser then transforms all of the elements into an interactive visual representation on the user's device. The browser has user interface features that indicate which page is displayed.There are two types of web pages static and dynamic. Static pages are retrieved from the web server's file system and dynamic pages must be created by the server on the fly. Code running in the browser is known as client-side code. This includes selecting and styling UI components, creating layouts, navigation, form validation, etc. Server-side website programming mostly involves operations happening on server side. The server-side code handles tasks like validating submitted data and requests, using databases to store and retrieve data and sending the correct data to the client as required.

Elements

A webpage is a hypertext document provided by a website and displayed to a user.The core element of a web page is one or more text files written in the Hypertext Markup Language (HTML). Many web pages also make use of JavaScript code for dynamic behavior. Web Assembly executables can also be used. Images, videos, and other files are attached in web pages.

Client side validation

There is a usual question that which type of validations is better or best? Server side validation or Client side Validation? Validations can be performed on both sides (web browser). The user input validation take place on the Server Side and the user input validation take place on the Client Side. Client Side Validation does not require a pushback. If the user request requires server resources to validate the user input, you should use Server Side Validation if not then you can use Client Side Validation.

Server side validation

The input submitted by the user is sent to the server and using one of server languages such as ASP.Net, PHP etc. After the process, the feedback is sent back to the client by a new dynamically generated web page. It is better to validate user input on Server Side because you can protect against the malicious users, who can easily bypass your Client Side scripting language and submit dangerous input.

Static sites

The diagram below shows a basic web server architecture for a *static site*. When a user wants to navigate to a page, the browser sends an HTTP "GET" request. The server retrieves the requested document from its file system and returns an HTTP response containing the document and a success status (usually 200 OK). If the file cannot be retrieved, an error status is returned.

Code running in the browser is known as **client-side code**. This includes selecting and styling UI components, creating layouts, navigation, form validation and server-side website programming involves choosing *which content* is returned to the browser. The server-side code does tasks like validating data and requests, using databases to store and retrieve data and sending the correct data to the client.

DOM Tree Diagram

CONCLUSION

In today's Web development, a good page design is essential. A bad design result in loss of visitors and business. In general, a good page layout has to satisfy the basic elements of a good page design. This includes

color contrast, text organization, and font selection, style of a page, page size, graphics used, and consistency. In order to create a well-designed page for a specific audience. The developer needs to organized and analyse the users' statistics and the background of the users. Although it can be hard to come up with a design that is well suited to all of the users, there will be a design that is appropriate for most of the audience. The better the page design, the more hits a page will get. That shows an increase in business.

Acknowledgement

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