**Internet and Web Programming**

CSE 3002

Final Project Report

***Topic:* Study Scheduler Website**

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**Abstract:** All of us at some point in life gets frustrated over the shortage of time and regrets on how he/she could have better utilized the time passed than he or she did as the result of improper time management. Keeping this point in mind we plan to create a time scheduler interface which would help to better manage time by taking user input and with countdown timer will remind the user of the time he has to complete a specific task thus making the user bound to follow a tight schedule thus discipling his/her life.

**I. Introduction:**

**HTML**

HTML is the standard mark-up language for creating Web pages. We would be using this as a physical structure of our login interface as well as other webpages related to it.

* HTML stands for Hyper Text Mark-up Language
* HTML describes the structure of Web pages using mark-up
* HTML elements are the building blocks of HTML pages
* HTML elements are represented by tags
* HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
* Browsers do not display the HTML tags, but use them to render the content of the page

**PHP**

PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP. We would use this as the main medium to execute counter clock and also to make webpages interactive.

**What is PHP?**

* PHP is an acronym for "PHP: Hypertext Pre-processor"
* PHP is a widely-used, open source scripting language
* PHP scripts are executed on the server
* PHP is free to download and use

**What is a PHP File?**

* PHP files can contain text, HTML, CSS, JavaScript, and PHP code
* PHP code are executed on the server, and the result is returned to the browser as plain HTML
* PHP files have extension ".php".

**What Can PHP Do?**

* PHP can generate dynamic page content
* PHP can create, open, read, write, delete, and close files on the server
* PHP can collect form data
* PHP can send and receive cookies
* PHP can add, delete, modify data in your database
* PHP can be used to control user-access
* PHP can encrypt data

**CSS**

Cascading Style Sheets (CSS) is a simple mechanism for adding style (e.g., fonts, colors, spacing) to Web documents.

**What is CSS?**

* **CSS** stands for **C**ascading **S**tyle **S**heets
* CSS describes **how HTML elements are to be displayed on screen, paper, or in other media**
* CSS **saves a lot of work**. It can control the layout of multiple web pages all at once
* External stylesheets are stored in **CSS files**

**JAVASCRIPT**

JavaScript is the programming language of HTML and the Web. We require this to add cookies which we planned to pop up during the break of a session of task and would give user suggestion to be entertained during his break session.

**SQL**

Structured Query Language is a domain-specific language used in programming and designed for managing data held in a relational database management system (RDBMS), or for stream processing in a relational data stream management system (RDSMS).

SQL is a standard language for accessing and manipulating databases.

**What is SQL?**

* SQL stands for Structured Query Language
* SQL lets you access and manipulate databases
* SQL is an ANSI (American National Standards Institute) standard

**What Can SQL do?**

* SQL can execute queries against a database
* SQL can retrieve data from a database
* SQL can insert records in a database
* SQL can update records in a database
* SQL can delete records from a database
* SQL can create new databases
* SQL can create new tables in a database
* SQL can create stored procedures in a database
* SQL can create views in a database
* SQL can set permissions on tables, procedures, and views

**RDBMS**

* RDBMS stands for Relational Database Management System.
* RDBMS is the basis for SQL, and for all modern database systems such as MS SQL Server, IBM DB2, Oracle, MySQL, and Microsoft Access.
* The data in RDBMS is stored in database objects called tables. A table is a collection of related data entries and it consists of columns and rows.

Every table is broken up into smaller entities called fields. A field is a column in a table that is designed to maintain specific information about every record in the table. A record, also called a row, is each individual entry that exists in a table. A column is a vertical entity in a table that contains all information associated with a specific field in a table.

**XAMPP SERVER**

XAMPP is a free and open source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. XAMPP stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P). It is a simple, lightweight Apache distribution that makes it extremely easy for developers to create a local web server for testing and deployment purposes. Everything needed to set up a web server – server application (Apache), database (MariaDB), and scripting language (PHP) – is included in an extractable file. XAMPP is also cross-platform, which means it works equally well on Linux, Mac and Windows. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server extremely easy as well.

It would be required to create the database and its interfacing along with the linking to the webpage i.e. the frontend.

We would be using objected oriented programming using C or Java depending on the effectiveness, feasibility and complexities of the project once further worked through. Programming would be required to interface the backend to frontend and further looping the counter clock.

* 1. **Web Page and datbase development**
  2. **Conclusion:**

We were able to create a time table scheduler and management website with which the users can easily keep track of their daily schedule. Thus, managing time to ensuring his progress towards success.

* 1. **References:**

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