

ABSTRACT

Fitness apps are promising digital tools to support self-tracking and physical activity. Specified app functions such as diet-chart, BMI calculator, workout tips, supplement recommendation health supplements or fitness product purchases, these are the facilities provided by the web application to the users. It is necessary to have a computerised system that manages all these functions. The implementation of a normalised step target on aspects of motivation and physical activity by using self-determination theory. With the aim to reduce epidemiologic problems associated with overweight and obesity, it has been recommended that people engage in moderate exercise and diet chart according to their body type and body mass index. According to the body type and BMI of user, the web app will provide workout tips and supplementary recommendations for the user's daily routine. The user can select a goal for them and set a target. The apps consist of various diet plans as per their BMI and type. This web app will guide the users on various body exercises through videos. This system also provides excellent security of data to its users. In these modern days when people all over the world have become so much concerned about their health and diet, it is but obvious that they continually seek out for Gym center. FIT IN- Gym Management System is an easy way to use the gym and health gym membership system. It can help to keep records of members and their memberships, and give permit communication between members.

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1.1 INTRODUCTION

CHAPTER 1

Fitness apps are promising digital tools to support self-tracking and physical activity. Specified app functions such as diet-chart, BMI calculator, workout tips, supplement recommendation health supplements or fitness product purchases, these are the

facilities provided by the web application to the users. It is necessary to have a computerized system that manages all these functions. The implementation of a normalized step target on aspects of motivation and physical activity by using self-determination theory. With the aim to reduce epidemiologic problems associated with overweight and obesity, it has been recommended that people engage in moderate exercise and diet chart according to their body type and body mass index. According to the body type and BMI of user, the web app will provide workout tips and supplementary recommendations for user's daily routine.

users.

INTRODUCTION

The user can select a goal for themselves and set a target. The apps consist of various diet plans as per their BMI and type. This web app will guide the users on various body exercises through videos. This system also provides excellent security of data to its

1.2 SCOPE

The scope of this project is a complete gym recreation facility program which looks after all the members of a gym and its complete operations. The user can select a goal for them and set a target. The apps consist of various diet plans as per their BMI and type. This web app will guide the users on various body exercises through videos. This system also provides excellent security of data to its users.

1.3 OVERVIEW OF THE PROJECT

The main objective of this project is to make a system which is accessible to

all the members of a gym. It is an online service that can be set up to manage classes, make online purchase to buy gym related products, keep track of detailed statistics, customer management

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ate it is simple, effective and it is the way the customer wants a gym to be. The trainers Can sonload class videos and the users can even do exercise at home or workplace easily. With the

aim to reduce epidemiologic problems associated with overweight and obesity, it has been recommended that people engage in moderate exercise and dict chart according to their body

type and body mass index. According to the body type and BMI of user, the web app will provide workout tips and supplementary recommendations for user's daily routine.

ADMIN

USER

Admin can login into the account using id and password:

Admin view all the members

Filter them by programs or search them by name

SELLER:

Can freeze or suspend their accounts

Admin view all the sellers and their products

Check their activities

Delete their product

Can freeze or suspend their account number.

Module Details

Create a new new account with the web application using google account or phone

View and update profile

View plans

Change password

Change plans

User can also freeze their account and continue it later.

DIET PLANS:

See diet plans based on BMI and body type

TRAINING VIDEOS:

2

provides YouTube videos based on BMI, body type and on the basis of intensity theyneed

NOTIFICATION:

view notification

BUY PRODUCT:

Check supplements or fitness products provided by each sellers and can buy 1t.

INTERACT:

User can interact with instructors and sellers.

INSTRUCTOR

LOGIN

SUPPLEMENTS:

Instructor can recommend supplements to the users according to their body type and need.

WORKOUT TIPS:

Instructors can check the user's information like BMI and body type, workout intensity and provide workout tips

Can provide diet plan and workout according to the user.

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CHAPTER 2

SYSTEM ANALYSIS

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System analysis is a logical process; it is an important activity that takes place when a new system is being built. The objective of this phase is not actually to solve the problem but to determine what must be done to solve the problem. It is the central part of system development and it includes gathering and interpreting facts, diagnosing and using this information to recommend improvements to the system. System analysis gives the structure and functioning of the system and it specifies what the system should do. It is helpful to understand the problem and emphasize what is needed from the system.

Before designing an application which will help its users, it is important that the way it currently operates should be clearly identified. The process of system investigation

includes several methods of gathering the required information. It is important that the approach is appropriate to the application under consideration and the user of the system. System analysis should be creative and imaginative in producing new solutions to meet the user requirements. In short the system is analyzed by gathering various information such as system functionality, problems encountered, requirements of the proposed system, users, their

tasks and responsibilities. Here in the system analysis phase, system is viewed as a whole and inputs to the system are defined, and also the output from the system is traced through the various data collected.

A detailed study of these processes must be made by the various techniques like interviews, questionnaires, etc. The data collected by these sources must be scrutinized to arrive to a conclusion. The conclusion is an understanding of how the system functions. This system is called the existing system. Now, the existing system is subject to close study and the problem areas are identified. The designer now functions on problem solver and tries to sort out the difficulties that weighed with the existing system. The solutions are given on a proposal. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for any endorsement by the user. The proposal is reviewed on user request and suitable changes that made. This is a loop that ends as soon as the user is satisfied with the proposal.

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2.1 EXISTING SYSTEM

There is no such system exists which provides the members of a gym the full functionalities. Even if students far from a gym can't access or do exercises with the help of a

trainer. And also the system doesn't provide a user friendly environment for the existing user.

So even if the members want to buy products, they have to purchase it directly from shop or have other use

normal user.

Limitations of Existing System

1. The basic problems with the existing systems are the non-interactive environment they provide to the users.

2. The use of traditional user interfaces which make continuous post backs to the server; each post back makes a call to the server, gets the response and then refreshes the entire web form to display the result. This scenario adds an extra trade off causing a delay in displaying the results

3. A search engine that would display the results without allowing the users to further filter the results based on various parameters

4. Use of traditional and non user friendly interfaces that are hard to use

2.1 PROPOSED SYSTEM

FIT IN

provides

apps

that are

promising

digital

tools to

2.1.1 ADVANTAGES OF PROPOSED SYSTEM

1. The proposed system eliminates the usage of paper

2. The records are easily accessible and maintenance can be done effectively

3. It helps the user to know about the products in one single click from around the world.

COLLEGE OF APPLIED SCIENCE, MAVELIKKARA

to online methods. These made the present gym scenario much more hectic to support self-tracking

and physical activity. Specified app functions such as diet-chart, BMI calculator,

workout

tips, supplement recommendation health supplements or fitness product purchases, these are the facilities provided by the web

application to the users. It is necessary to have a

computerized system that manages all these functions. So we developed FIT IN. The user

can select a goal for themselves and set a target. The apps consist of various diet plans as per their BMI and type. This web app will guide the users on various body exercises

through videos. This system also provides excellent security of data to its users.

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: of

URLS:

website.

Django also provides a way to navigate around the different pages in a

when a user requests a URL, Django decides which view it will send it to. This is done in a file called urls.py.

Django History:

was invented by Lawrence Journal-World in 2003, to meet the short

deadlines in the newspaper and at the same time meeting the demands of experienced web

developers. Initial release to the public was in July 2005. Latest version of Django is 4.2.1 (April 2023).

3.2.3 HTML (Hyper Text Markup Language)

standard markup

often assisted by

languages such

the

The Hypertext Markup Language or HTML is

language for documents designed to be displayed in a web browser. It is

as Cascading Style Sheets (CSS) and scripting

technologies such

as JavaScript.

Web browsers receive HTML documents

from a web

HTML elements are the building blocks of HTML pages. With HTML

objects, images and other objects such as interactive forms may be embedded into the

document

HTML elements are delineated

by

templates. The application is located in a folder named templates.

server or

from local

Storage and render the documents into multimedia web pages. HTML describes the

structure

of a web

page semantically and originally

included cues for its appearance.

a

page. HTML provides means to create structured documents by

rendered

items.

as

Semantics for text such headings, paragraphs, lists, links, quotes, and other

structural

angle brackets. Tags such as `` and `<input directly />`

by

tags,

written

using

provide information

and

page. Other tags such as `<p>` and `<p>` surround content into the

All the details are stored electronically using databases so as the loss of data can be easily overcome.

5. Maintenance of records can be done effectively using various data bases

management systems

2.2 FEASIBILITY STUDY

An initial investigation culminates in a proposal that determine whether an ultimate system is feasible. When a proposed system is made and approved, it initiates a feasibility study. The purpose of feasibility study is to identify various candidate systems and evaluates whether they are feasible by considering technical, economical, operational and legal feasibility and to recommend the best candidate system.

Feasibility study is conducted to test whether the system is beneficial to the organization. Feasibility study of this project includes the following.

2.3.1 Technical Feasibility

Technical feasibility study deals with the hardware as well as the software requirements. The scope was whether the work for the project is done with the current equipment and the existing software technology. The outcome was found to be positive.

The system

"FIT IN"

is said to be technically feasible because the software and hardware required to develop this system is already available. For this system we use The proposed project would be beneficial to organization satisfying the objectives when developed and installed. One of the main problems faced during the development of a new system is getting the acceptance from the user. There is support from the management of organization towards the development of the project. All the operational aspects are considered carefully. Thus the project is operationally feasible.

The system "FIT IN" provides much more advantages than the existing System. The system eliminates the usage of paper and stores the various details of gym management as records. It also makes data accessibility simpler. Since the details are stored

as records, this helps the admin to easily view the details.

Python Django as the framework as the front end, and MySQL as the back end. HTML is used as the script language to make the interface more interactive to users.

2.3.2 Operational Feasibility

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about document text and may include sub-element tags. Browsers do not display the HTML

use them

embed

can

HTML

in

written

programs

a scripting language such

JavaScript,

defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use

of CSS over explicit presentational HTML since 1997. A form of HTML, known as HTML5, to used is display video and audio, primarily using the <canvas> element, together with JavaScript.

3.2.4 MySQL

management
database

and "SQL", the acronym for Structured Query Language.

an open-source relational

System (RDBMS). Its name is a combination of "My", the name of co-founder Michael

A relational database organizes data into one or more data tables in which data may be related

to each other: these relations help structure the data. SQL is a language programmers use to

create, modify and extract data from the relational database, as well as control user access to

MySQL is

Widenius's daughter My
the database.

In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

MySQL is

the world's most popular open source database software, with over 100 million copies of its

software downloaded or distributed throughout its

Many of the world's largest and fastest-growing organizations use MySQL powering their high-volume systems, and packaged software

tags

but to interpret the content of the page.

as which affects the behavior and content of web pages. The inclusion of CSS history,

With its superior speed, reliability, and ease of use, MySQL has become the preferred choice

1or Web, Web 2.0., SaaS, ISV, Telecom companies and forward-thinking corporate IT

Managers because it eliminates the major problems associated with downtime.

maintenance and administration for modern, online applications.

to

save

time

and

money

YouTube,

Nokia, Google,

leaders such as Yahoo Alcatel-Lucent,

including

industry

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2.3.3 Economic Feasibility

The developing system must be justified by cost and benefit a criterion to

onsure that effort taken on the project gives the best return at the earliest. One of the factors,

high affect the development of a new system, is the cost it would require. Since the system developed is a part of a project work, there is no manual cost to spend for the proposed System. Also, all the resources are already available, giving an indication that the system is economically possible for development.

The system "FIT IN" is said to be economically feasible because the hardware and software required to develop the system is already available. No additional requirements are needed, so there is no need to purchase any tools from outside. So it is a cost effective system. Its maintenance cost is also very cheap. This project is done as part of our course. Hence this is economically feasible.

2.3.4 Legal Feasibility

Legal feasibility is the determination of any infringement, violation, or

2.3 MODULE DESCRIPTION

Module Details

ADMIN

Admin can login into the account using id and password:

Admin view all the members

Filter them by programs or search them by name

Can freeze or suspend their accounts

products

SELLER:

Admin view all the sellers and their

Check their activities

Delete their product

Can freeze or suspend their account

liability that could result from the development of the system. Legal feasibility environment passes abroad range of concerns that include contract and liability. The proposed project is also a legally feasible one.

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Wikipedia, and Booking.com,

The

flagship MySQL offering is MySQL Enterprise, of comprehensive set a

The MySQL database is owned, developed and supported by Sun

Microsystems, one of the world's largest contributors to open-source software. MySQL

originally founded and developed in Sweden by two Swedes and a Finn David

Axmark., Allan Larsson and Michael"Monty" Widenius, who had worked together since the

1980's. The best and the most-used database in the world for online applications

was

MySQL is a key part of LAMP (Linux, Apache, MySQL, PHP Perl / Python).

che fast-growing open source enterprise software stack. More a companies are using LAMP

os an alternative to expensive proprietary software stacks because of its lower cost and

freedom from platform lock-in.

Available and affordable for all

Easy to use

Continuously improved while remaining fast, secure and reliable

Fun to use and improve

Free from bugs

Apache is generally recognized as the world's most popular Web server (HTTP server). Originally designed for Unix servers, the Apache Web server has been ported to Windows and other network operating systems (NOS). The name Apache" derives from the word "patchy"that the Apache developers used to describe early versions of

The Apache Web server provides a full range of Web server features. including CGI, SSL. and virtual domains. Apache also supports plug-in modules for Apache Web Server

Apache is reliable, free, and relatively easy to configure. software, proactive monitoring tools, and premium support

services

production-tested

affordable

an in annual

available subscription.

their

software.

extensibility.

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USER

Create a new new account with the web application using google account or phone number.

View and update profile

View plans

Change password

Change plans

User can also freeze their account and continue it later.

DIET PLANS:

See diet plans based on BMI and body type

TRAINING VIDEOS:

provides YouTube videos based on BMI, body type and on the basis of intensity

theyneed

NOTIFICATION:

view notification

BUY PRODUCT:

Check supplements or fitness products provided by each sellers and can buy it.

INTERACT:

User can interact with instructors and sellers.

INSTRUCTOR

SUPPLEMENTS:

LOGIN

Instructor

WORKOUT TIPS:

instructors can check the users information's like BMI and body type.

workoutintensity and provide workout tips

Can provide diet plan and workout according to the user.

can recommend
supplements to the
users
according
to their body
type
and need.

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CHAPTER 3

SYSTEM SPECIFICATION

3.1 SYSTEM SPECIFICATIONS

3.1.1 HARDWARE SPECIFICATIONS

The selection of hardware configuration is a very important task related to software development. Insufficient random-access memory may affect adversely on speed and efficiency of the entire system. The process should be powerful to handle the entire operations. The hard disk should have sufficient capacity to store the file and application.

1.7GHz i3 Processor or above

> Processor

550 GB or above

> Hard Disk

2.00 GB or above

> RAM

Standard Mouse and Keyboard

> Input Device

High Resolution Monitor

> Output Device

3.1.2 SOFTWARE SPECIFICATIONS

Windows 7 or above

> Operating System

Apache Tomcat

> Web Server

Microsoft Edge/ Mozilla/Google Chrome

Web Brower

HTML

>Front End

Python

> Client Side Script

Django

>Framework

MYSQL

> Back End

CSS

> Technologies Used :

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SOFTWARE 3.2 TECHNOLOGY OVERVIEW

3.2.1 Overview of Python:

Python is a programming language that lets you work more quickly and integrate your including structured (particularly procedural), object-oriented and functional programming. It is often described as a "batteries included" language

due to its comprehensive standard library.

multiple programming

effectively.

major revision

Guido van Rossum began working on Python in the late 1980s as a successor to the ABC programming language and first released it in 1991 as Python 0.9.0, Python 2.0 was completely backward-compatible with earlier versions. Python 2.7.18, released in 2020, was released in 2000. Python 3.0, released in 2008, the last release of Python 2,38]

not

a

Python consistently ranks as one of the most popular programming languages:

Most Important Python Features and How to Use them:

were only known by software

developers. These days, with the rise of new technologies, programming skills are needed for

almost all non-developer jobs as well. As such, there is a need for a simple programming

A few years ago, programming languages

language that is easy to learn, but can also provide fast edit cycles and smooth

development.

Python is a language that meets all of these needs. According to the TIOBE Programming Community

Index,

are some of the features in Python that are discussed below:

Python Features and Advantages

Python is a very high-level programming language, yet it is effortless to learn

1. Easy to Code

days. Mastering

1S advanced concepts. packages and modules might take some more time. However

systems

more Python is dynamically typed and garbage-collected. It supports

paradigms,

Was

Python

is

one of

the

top programming

languages

of 2020. Python's

rise

in

Popularity

is due to its

use
in booming fields
such as
AI, data mining and numerical
computing.
The
following
code in Python in just a few hours or a few
Python
and
Anyone
can
learn
to

11
basic

C++, and Java.

2. Easy to Read

Python code looks like simple English words, There is no use of semicolons or brackets, and the indentations define the code block. You can tell what the code is supposed to do simply by looking at it.

3. Free and Open-Source

can also be freely modified and re-distributed.

Python is developed under an OSI-approved open source license. Hence, it is completely free to use, even for commercial purposes. It doesn't cost anything to download Python can be downloaded from the official Python website.

Python or to include it in your application.

4. Robust Standard Library

Python has an extensive standard library available for anyone to use. This means that programmers don't have to write their code for every single thing unlike other programming languages. There are libraries for image manipulation, databases, unit-testing, expressions and a lot of other functionalities. In

addition to the standard

5. Interpreted

When a programming language is interpreted, it means that the source code is executed line by line. and not all at once. Programming languages such as C++ or Java are not interpreted, and hence need to be compiled first to run them. There is no need to compile Python because it is processed at runtime by the interpreter.

Python is portable in the sense that the same code can be used on different

6. Portable

run

on it

TKKARA

learning

the Python syntax is very easy, as compared to other popular languages like C, library, there is also a

growing collection of thousands of components, which are all available in the Python

Package Index.

Windows or

you write a Python code on a Mac. If you want to machines.

Suppose

a write to need no is there such,

you don't have to make any changes to it. As

Linux

later,

for several platforms.

program

multiple times

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6.Object-Oriented and Procedure-Oriented

A programming language is object-oriented if it focuses design around data

rather objects, and than functions and logic. On the contrary, a programming language is procedure-oriented if it focuses more on functions (code that can be

8. Extensible

A programming language is said to be extensible if it can be extended to other languages. Python code can also be written in other languages like C++, making it a highly extensible language.

9. Expressive

Python needs to use only a few lines of code to perform complex tasks. For example, to display Hello World, you simply need to type one line - print("Hello World").

Other languages like Java or C would take up multiple lines to execute this.

10. Support for GUI

One of the key

aspects of any programming language is support for GUI or

Graphical User Interface. A user can easily interact with the software using a GUL. Python

Many programming languages need to declare the type of the variable before

untime, With Python. the type of the variable can be decided during runtime. This makes

11. Dynamically Typed

to

Python a dynamically typed language.

reused). One of the

critical Python features is that it supports both object-oriented and procedure-oriented programming.

offers

various

toolkits. such

as Tkinter,

wxPython

and

JPython,

which

allows

for GUI's easy
and fast development.

need

don't

you

If you have to assign an integer value 20 to a variable

For

example,

=

x

have to write 15.

write

int

= x

20. You

just

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12. High-level Language

Python is a high-level programming language because programmers don't

need to remember the system architecture, nor do they have to manage the memory. This

makes it super programmer-friendly and is one of the key features

13. Simplify Complex Software Development

Python can be used to develop both desktop and web apps and complex

scientific and numerical applications. Python's data analysis features help you create custom

big data solutions without so much time and effort. You can also use the Python data

visualization libraries and APIs to present data in a more appealing way. Several advanced

software developers use Python to accomplish high-end AI and natural language processing tasks.

14. Other Advanced Programming Features

Python contains several advanced programming features such as generators

(used to create iterators with a different approach than most other languages) and list

comprehensions (used to create new lists from other iterables). Python also has automatic

memory management eliminating the need to manually allocate and free memory in the code.

3.2.2 DJANGO FRAMEWORK

Django is a Python framework that makes it easier to create web sites using

Python. Django takes care of the difficult stuff so that you can concentrate on building your

web applications. Django emphasizes reusability of components, also referred to

as connection

(Model View Template).

How does Django Work?

1) Yodel - The data you want to present, usually data from a database.

of Python.

as DRY

(Don't Repeat

Yourself), and comes

with ready-to-use

features like login
system, database
operations (Create Read Update Delete).
and
CRUD
Django
follows the MVT design pattern

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. View - A request handler that returns the relevant template and content - based on the request from the user.

Template - A text file (like an HTML file) containing the layout of the web page, with logic on how to display the data.

Model:

The model provides data from the database. In Django, the data is delivered as an Object Relational Mapping (ORM), which is a technique designed to make it easier to work with databases.

The most common way to extract data from a database is SQL. One problem with SQL is that you have to have a pretty good understanding of the database structure to be able to work with it.

Django, with ORM, makes it easier to communicate with the database, without having to write complex SQL statements. The models are usually located in a file called models.py.

View:

A view is a function or method that takes http requests as arguments, imports the relevant model(s), and finds out what data to send to the template, and returns the final result.

The views are usually located in a file called views.py.

A template is a file where you describe how the result should be represented

Templates are often html files. with HTML Code describing the layout of a web page, but it Template:

ea

standard HTML to describe the layout, but uses Django tags to add logic:

```
Shl>My Homepage</h1>
```

```
p>My name is { first_name }}p
```

also

be

in

other

file

formats

to

present

other

results,

but

we

will
concentrate
on
html
files.
Django uses

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: of
URLS:
website.

Django also provides a way to navigate around the different pages in a
when a user requests a URL, Django decides which view it will send it to. This is done in a
file called urls.py.

Django History:

was invented by Lawrence Journal-World in 2003, to meet the short
deadlines in the newspaper and at the same time meeting the demands of experienced web
developers. Initial release to the public was in July 2005. Latest version of Django is 4.2.1

Django
(April 2023).

3.2.3 HTML (Hyper Text Markup Language)

standard markup
often assisted by
languages such
the

The Hypertext Markup Language or HTML is
language for documents designed to be displayed in a web browser. It is
as Cascading Style Sheets (CSS) and scripting
technologies such
as JavaScript.

Web browsers receive HTML documents
from a web

HTML elements are the building blocks of HTML pages. With HTML
objects, images and other objects such as interactive forms may be embedded into the
document

HTML elements are delineated

introduce

templates The application is located in a folder named templates.

server or

from local

Storage and render the documents into multimedia web pages. HTML describes the
structure

Of a web

page semantically and originally

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a

page. HTML provides means to create structured documents by
rendered

items.

as

Semantics for text such headings, paragraphs, lists, links, quotes, and other structural

angle brackets. Tags such as `` and `<input directly />`

by

tags,

written

using

provide information

and

page. Other tags such as `<p>` and `<p>` surround

Content

into

the

about document text and may include sub-element tags. Browsers do not display the HTML

use them

embed

can

HTML

in

written

programs

a scripting language such

JavaScript,

defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use

of CSS over explicit presentational HTML since 1997. A form of HTML, known as HTML5, to used is display video and audio, primarily using the `<canvas>` element, together with JavaScript.

3.2.4 MySQL

management

database

and "SQL", the acronym for Structured Query Language.

an open-source relational

System (RDBMS). Its name is a combination of "My", the name of co-founder Michael

A relational database organizes data into one or more data tables in which data may be related

to each other: these relations help structure the data. SQL is a language programmers use to

create, modify and extract data from the relational database, as well as control user access to

MySQL is

Widenius's daughter My

the database.

In addition to relational databases and SQL, an RDBMS like MySQL works

with an operating system to implement a relational database in a computer's storage system,

manages users, allows for network access and facilitates testing database integrity and creation of backups.

MySQL is

the world's most popular open source database software, with over 100 million copies of its

software downloaded or distributed throughout its

Many of the world's largest and fastest-growing organizations use MySQL

powering their high-volume systems, and packaged software

tags

but to interpret the content of the page.

as which affects the behavior and content of web pages. The inclusion of CSS

history,

With its superior speed, reliability, and ease of use, MySQL has become the preferred choice

for Web, Web 2.0., SaaS, ISV, Telecom companies and forward-thinking corporate IT

Managers because it eliminates the major problems associated with downtime.

maintenance and administration for modern, online applications.

to

save

time

and

money

YouTube,

Nokia, Google,

leaders such as Yahoo Alcatel-Lucent,

including

industry

17

Wikipedia, and Booking.com,

The

flagship MySQL offering is MySQL Enterprise, of comprehensive set a

The MySQL database is owned, developed and supported by Sun

Microsystems, one of the world's largest contributors to open-source software. MySQL

originally founded and developed in Sweden by two Swedes and a Finn David

Axmark., Allan Larsson and Michael "Monty" Widenius, who had worked together since the

1980's. The best and the most-used database in the world for online applications

was

MySQL is a key part of LAMP (Linux, Apache, MySQL, PHP Perl / Python).

the fast-growing open source enterprise software stack. More a companies are using LAMP

as an alternative to expensive proprietary software stacks because of its lower cost and

freedom from platform lock-in.

Available and affordable for all

Easy to use

Continuously improved while remaining fast, secure and reliable

Fun to use and improve

Free from bugs

Apache is generally recognized as the world's most popular Web server

(HTTP server). Originally designed for Unix servers, the Apache Web server has been

ported to Windows and other network operating systems (NOS). The name Apache" derives from the word "patchy" that the Apache developers used to describe early versions of

The Apache Web server provides a full range of Web server features, including CGI, SSL, and virtual domains. Apache also supports plug-in modules for Apache Web Server

Apache is reliable, free, and relatively easy to configure. software, proactive monitoring tools, and premium support services

production-tested

affordable

an in annual

available subscription.

their

software.

extensibility.