Question 1

IGBooks is a publishing company which publishes and sells its books through

a network of resellers. The company has a website that provides the list of

published books and the list of reseller who has the stock of the books. The

books can also be sold online and despatched to the address of registered

buyers. The website provides all the details of the books including authors,

abstract, price, availability etc. Create a web site for this company having the

following features:

For the sake of consistency every page of the website should consists of four

basic divisions –

Top – This division should be of fixed size and should display publisher

name and logo. This division should be in different background

colour. This division should be at the top of every page.

Bottom - This division contains the name of maintenance agency of the

website and copyright information. This division should be at the

bottom of every page.

Info - The pages that you are designing should differ in this Division

only. The five different pages that you need to design are - Home,

Books, Purchase, Status of purchase and Feedback.

Links - This division should be towards the left in every web page and

should contain links to all the five web pages viz. Home, Books,

Purchase, Status of purchase and Feedback.

The Info division of the five different pages should be as under:

• Home page should include Welcome message, the most popular books,

most popular author etc.

• Books page shows the Category-wise list of various Books, their authors,

abstract of the book and price of the book. This list should be displayed

using table.

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• Purchase page should show a HTML form that should ask for username

and password. You may use JavaScript to verify that username and

password are BCAMCA and TestPwd.

• Status of purchase page should display the list of all the past online orders

that has been received by the publishers. This information should be

displayed for at least two books.

• Feedback page should contain a form which should have fields - name, last

book purchased, contact email, feedback on the book. You must use

JavaScript to check that all the fields are filled by the person giving the

feedback.

Ans

Main.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

</head>

<frameset rows="20%,60%,\*" frameborder="0">

<frame src="header.html">

<frameset cols="20%,80%" frameborder="0">

<frame src="menu.html" frameborder="0">

<frame src="content.html" name="color" frameborder="0">

</frameset>

<frame src="footer.html">

</frameset>

</html>

Header.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

</head>

<body bgcolor="#aab">

<img src="Images\logo.jpg" align="left" alt="logo" height="93%" width="15%">

</img>

<font size=5>

<b>

<center>

IGBooks Publications

<br>

1507, First Floor, Camp, Pune (India) - 411014,

<br>

India

</center>

</b>

</font>

</body>

</html>

Menu.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

</head>

<body bgcolor="#aaa">

<font size=5>

<ol>

<li> <a href="Content.html" target="color">Home </a>

<li> <a href="Books.html" target="color">Books </a>

<li> <a href="Purchase.html" target="color">Purchase</a>

<li> <a href="StatusOfPurchase.html" target="color">Status of Purchase</a>

<li> <a href="Feedback.html" target="color">Feedback</a>

</ol>

</font>

</body>

</html>

Footer.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

</head>

<body bgcolor="#ccc">

<center>

<pre> <b>

<font size=4>

Copyright © 2018 - IGBooks.com. All Rights Reserved

Designed and Hosted by Pulse Software Solutions.All Rights Reserved.

</font>

</b></pre>

</center>

</body>

</html>

Content.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

</head>

<body bgcolor="#ddd">

<font size="6" color="#aaa">

<b>

Welcome to IGBooks Publishers Pvt Ltd.

</b>

</font>

<div>

<div>Most Popular books</div>

<ul>

<li>

Discrete Mathematics and its

Applications

</li>

<li>

Artificial Intelligence: A Modern

Approach

</li>

</ul>

</div>

<div>

<div>Most Popular author</div>

<ul>

<li>

Stuart Russell and Peter

Norvig

</li>

<li>

Kenneth H. Rosen

</li>

</ul>

</div>

</body>

</html>

Books.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

</head>

<body align="center" bgcolor="#ddd">

<center>

<font size=4 color="blue">

<h1>List Of Books</h1>

<table border=2>

<tr>

<th>Book Name</th>

<th>

Author

Name

</th>

<th>Description</th>

<th>Price</th>

</tr>

<tr>

<td>

Discrete Mathematics and its

Applications

</td>

<td> Kenneth H. Rosen</td>

<td>

: This book covers various topics related to

Discrete Mathematics which include algorithmic

thinking, combinatorial analysis, mathematical

reasoning and discrete structures

</td>

<td>400</td>

</tr>

<tr>

<td>

The C Programming

Language

</td>

<td>

Brian W. Kernighan and

Dennis M. Ritchie

</td>

<td>

: ew: This book is a complete guide to ANSI

standard C programming language. This book

focuses on the set of operators provided by C

language, types of expressions, improved

control flow and data structures.

</td>

<td>600</td>

</tr>

<tr>

<td>

Software Engineering: A practitioner’s

approach

</td>

<td>Roger S. Pressman</td>

<td>

: This book is designed provides a linear

presentation of software engineering topics.

Strong emphasis is laid on the major activities

that are a part of generic software

process.

</td>

<td>500</td>

</tr>

<tr>

<td>Operating System Concepts</td>

<td>

Avi Silberschatz, Peter Galvin, Greg Gagne

</td>

<td>

: This book provides a clear

understanding of all the the concepts that

underlie operating systems. The book contains

numerous examples that are relevant to

operating systems like UNIX, Solaris, Windows

NT, Apple, IBM and Linux.

</td>

<td>430</td>

</tr>

<tr>

<td>

Artificial Intelligence: A Modern

Approach

</td>

<td>

Stuart Russell and Peter

Norvig

</td>

<td>

: The book offers the most

comprehensive, up-to-date introduction to the

theory and practice of artificial

intelligence.

</td>

<td>830</td>

</tr>

</table>

</font>

</center>

</body>

</html>

Purchase.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

</head>

<body bgcolor="#ddd">

<script>

function Submit() {

var name = document.getElementById("txtUserName").value;

var pwd = document.getElementById("txtPassword").value;

if (name == "BCAMCA" && pwd == "TestPwd") {

alert("Password verified");

}

else {

alert("Incorrect Username and Password");

}

}

</script>

<h1> Enter your username and password</h1>

<form action="" method="post" align="center">

<table>

<tr>

<td>User Name :</td>

<td><input type="text" id="txtUserName" /></td>

</tr>

<tr>

<td>Password :</td>

<td><input type="password" id="txtPassword" /></td>

</tr>

<tr>

<td colspan="2"><input type="button" value="Submit" onclick="Submit()" /></td>

</tr>

</table>

</form>

</body>

</html>

StatusOfPurchase.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

</head>

<body bgcolor="#ddd" align="center">

<b>

<font size=6>

</font>

</b>

<br>

<br>

<br>

<table border="1" width="100%" bgcolor="skyblue">

<thead>

<tr>

<td colspan="4" align="center">

<b>

<font size=6>

List Of The Ordered Books

</font>

</b>

</td>

</tr>

</thead>

<tbody>

<tr align="center">

<th style="width:5%">Book No</th>

<th style="width:40%">Book Name</th>

<th style="width:10%">Order Date</th>

<th style="width:15%">From</th>

<th style="width:20%">To</th>

<th style="width:10%">Price</th>

</tr>

<tr align="center">

<td>1</td>

<td>

Discrete Mathematics and its

Applications

</td>

<td>25/05/2018</td>

<td>Pune</td>

<td> IG Books</td>

<td>500/-</td>

</tr>

<tr align="center">

<td>2</td>

<td>

Artificial Intelligence: A Modern

Approach

</td>

<td>24/05/2018</td>

<td>Pune</td>

<td>IG Books</td>

<td>570/-</td>

</tr>

<tr align="center">

<td>3</td>

<td>

Discrete Mathematics and its

Applications

</td>

<td>23/05/2018</td>

<td>Pune</td>

<td>IG Books</td>

<td>300/-</td>

</tr>

</tbody>

</table>

</body>

</html>

FeedBack.html

<html>

<head>

<title>IGBooks Publishers Pvt Ltd</title>

<script>

function Submit() {

var name = document.getElementById("txtName").value;

var book = document.getElementById("txtBook").value;

var email = document.getElementById("txtEmail").value;

var feedback = document.getElementById("txtFeedBack").value;

if (name == "") {

alert("Please Enter name");

return;

}

if (book == "") {

alert("Please Enter Last Book Purchased");

return;

}

if (email == "") {

alert("Please Enter Email");

return;

}

if (feedback == "") {

alert("Please Enter FeedBack");

return;

}

}

</script>

</head>

<body bgcolor="#ddd">

<h2>FEEDBACK</h2>

<table align="center">

<tr>

<td> Name </td>

<td>

<input type="text" id="txtName" />

</td>

</tr>

<tr>

<td> Last Book Purchased </td>

<td>

<input type="text" id="txtBook" />

</td>

</tr>

<tr>

<td> Contact Email </td>

<td>

<input type="text" id="txtEmail" />

</td>

</tr>

<tr>

<td> Feedback </td>

<td>

<textarea rows="4" id="txtFeedBack"></textarea>

</td>

</tr>

<tr>

<td colspan="2"><input type="button" value="Submit" onclick="Submit()" /></td>

</tr>

</table>

</body>

</html>

Question 2 List any two latest web development technologies. List five important features of each of these technologies.

Ans.

Two latest web development technologies.

1)HTML:-

Hypertext Markup Language (HTML) is the standard markup language for creating web

pages and web applications. With Cascading Style Sheets (CSS) and JavaScript it forms a

triad of cornerstone technologies for the World Wide Web. Web browsers receive HTML

documents from a web server or from local storage and render them into multimedia web

pages. HTML describes the structure of a web page semantically and originally included

cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and

other objects, such as interactive forms,may be embedded into the rendered page. It

provides a means to create structured documents by denoting structural semantics for text

such as headings, paragraphs, lists, links, quotes and other items. HTML elements are

delineated by tags, written using angle brackets. Tags such as <img /> and <input

/> introduce content into the page directly. Others such as <p>...</p> surround and provide

information about document text and may include other tags as sub-elements. Browsers do

not display the HTML tags, but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript which affect

the behavior and content of web pages.

Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), maintainer of both the HTML and the

CSS standards, has encouraged the use of CSS over explicit presentational HTML since

1997.

2) CSS

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to

simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of

the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid

out, what background images or colors are used, layout designs,variations in display for

different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation

of an HTML document. Most commonly, CSS is combined with the markup languages

HTML or XHTML.

**Advantages of CSS**

1. CSS saves time − You can write CSS once and then reuse same sheet in multiple HTML

pages. You can define a style for each HTML element and apply it to as many Web pages

as you want.

1. Pages load faster − If you are using CSS, you do not need to write HTML tag attributes

every time. Just write one CSS rule of a tag and apply it to all the occurrences of that tag.

So less code means faster download times.

1. Easy maintenance − To make a global change, simply change the style, and all elements

in all the web pages will be updated automatically.

 Superior styles to HTML − CSS has a much wider array of attributes than HTML, so you

can give a far better look to your HTML page in comparison to HTML attributes.

1. Multiple Device Compatibility − Style sheets allow content to be optimized for more than

one type of device. By using the same HTML document, different versions of a website can

be presented for handheld devices such as PDAs and cell phones or for printing.

1. Global web standards − Now HTML attributes are being deprecated and it is being

recommended to use CSS. So its a good idea to start using CSS in all the HTML pages to

make them compatible to future browsers.