Practical Assessment

Develop dynamic websites to meet technical requirements with basic navigation

Units assessed:

ICAWEB502A – Create dynamic web pages 35%

ICAPRG406A – Apply introductory object-oriented language skills 35%

Name: _____

Task

Your task is to create a web application which will be used for a book site called online books. Your site needs to contain 2 pages:

- Default.aspx
- Authors.aspx

Your website needs to be called "dataAccessTest"

Conditions

Open book: you can use files, internet, notes, books, you can reuse any code you have previously written.

However the work you hand in needs to be your work you cannot use a file or a piece of code that has not being typed in by you.

The assessment is to be completed under exam conditions meaning you cannot communicate with anyone, you may not ask for help. This means you may not send or receive emails, answer your phone, chat in person or electronically, share files or interact with anyone either in person or electronically. This assessment needs to be completed all on your own.

You will be monitored while you are completing the assessment.

You have 2 hours to complete the task.

What do you need to hand in

Your test paper with your name on it

Copy your entire website named "dataAccessTest" to HOFIT3 in your folder. ***Make sure your folder is called "dataAccessTest" no other folder will be marked.***

Resources

You have been provided with the database. This database is the pubs database. You have also been provided with some images.

Marking scheme

General site

The site should be laid out and formatted using CSS.

Marking

TEACHER USE ONLY

Marks

Task	Max marks	Allocated marks/ comment
CSS used for layout	5	
Images provided used	5	
Total	10	
Converted to	10	

Default.aspx

This page lists all the publishers as hyperlinks. When a publisher is selected all the books for that publisher are displayed in a grid view on the same page.

For each book display the title, type and price. The book title is displayed as a hyperlink which when clicked redirects the user to authors.aspx.

Note: Currently the PUBS database does not have books for all publishers.

Marking

TEACHER USE ONLY

Marks

Task	Max marks	Allocated marks/ comment
Publishers listed	5	
When a publisher is selected the books are listed in a gridview or equivalent control	5	
For each book the title, type and price is listed	5	
Price is formatted as currency	5	
Sorting is enabled for all columns	5	
Every second row is displayed with a different background colour	5	
The book title is displayed as a hyperlink.	5	
Total	35	
Converted to	10	

Authors.aspx

This page lists all the authors for the selected book title (selected from default.aspx). For each author display the Author's first and last name, phone and address.

Note: Some books have more than 1 author. Look at the database diagram provided.

Marking

TEACHER USE ONLY

Marks

Task	Max marks	Allocated marks/ comment
Authors listed	5	
Title ID passed in query string	5	
For each author the first name, last name, phone and address is displayed.	5	
Total	15	
Converted to	10	

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stores

Column Name	Condensed Type
🔑 stor_id	char(4)
stor_name	varchar(40)
stor_address	varchar(40)
city	varchar(20)
state	char(2)
zip	char(5)

sales

Column Name	Condensed Type
🔑 stor_id	char(4)
🔑 ord_num	varchar(20)
ord_date	datetime
qty	smallint
payterms	varchar(12)
🔑 title_id	tid:varchar(6)

discounts

Column Name	Condensed Type
discounttype	varchar(40)
stor_id	char(4)
lowqty	smallint
highqty	smallint
discount	decimal(4, 2)

roysched

Column Name	Condensed Type
title_id	tid:varchar(6)
lorange	int
hirange	int
royalty	int

titles

Column Name	Condensed Type
🔑 title_id	tid:varchar(6)
title	varchar(80)
type	char(12)
pub_id	char(4)
price	money
advance	money
royalty	int
ytd_sales	int
notes	varchar(200)
pubdate	datetime

jobs

Column Name	Condensed Type
🔑 job_id	smallint
job_desc	varchar(50)
min_lvl	tinyint
max_lvl	tinyint

titleauthor

Column Name	Condensed Type
🔑 au_id	id:varchar(11)
🔑 title_id	tid:varchar(6)
au_ord	tinyint
royaltyper	int

publishers

Column Name	Condensed Type
🔑 pub_id	char(4)
pub_name	varchar(40)
city	varchar(20)
state	char(2)
country	varchar(30)

employee

Column Name	Condensed Type
🔑 emp_id	empid:char(9)
fname	varchar(20)
minit	char(1)
lname	varchar(30)
job_id	smallint
job_lvl	tinyint
pub_id	char(4)
hire_date	datetime

pub_info

Column Name	Condensed Type
🔑 pub_id	char(4)
logo	image
pr_info	text

authors

Column Name	Condensed Type
🔑 au_id	id:varchar(11)
au_lname	varchar(40)
au_fname	varchar(20)
phone	char(12)
address	varchar(40)
city	varchar(20)
state	char(2)
zip	char(5)
contract	bit