

2003

CAREER AWARD IN ICT
Advanced Level

MARK SCHEME

MODULE: 5206/A
WEBSITE PROGRAMMING

| | | |
|---------------|--------------------------------|---------------|
| Page 1 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/A |

Step 6 Printout

Inuit Gallery

The data you entered was:

Artist: SAQU Manomie

Description: Owl in Flight

Price: 295

Sold: no

Material: 1

Region: Lake Harbour

The data has been saved

| | | |
|---------------|--------------------------------|---------------|
| Page 2 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/A |

Step 7 Printout

Inuit Gallery

The data you entered was:

Artist: IQALUK Josie

Description: Bear and Face Spirits

Price: 450

Sold: yes

Material: 2

Region: Cape Dorset

That description is too long

The data has not been saved

| | | |
|---------------|--------------------------------|---------------|
| Page 3 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/A |

Step 8 Printout

Inuit Gallery

Sculptures from Lake Harbour

| | | | |
|---------------|---------------|-----|--------------|
| SEAL | JACOBI Adamie | 85 | Lake Harbour |
| HAWK | ITULU Davidie | 760 | Lake Harbour |
| WALRUS | JOSEPHIE Appa | 130 | Lake Harbour |
| POLAR BEAR | JOSEPHIE Appa | 90 | Lake Harbour |
| Owl in Flight | SAQU Manomie | 295 | Lake Harbour |

| | | |
|---------------|--------------------------------|---------------|
| Page 4 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/A |

Step 9 Printout

```

<HTML>
<HEAD>
<Title>Inuit Gallery IIIA</title>
</HEAD>
<BODY>
<P>Inuit Gallery</P>
<form method=post action=process.asp>
<P>Artist:<br><INPUT name=Artist></P>
<P>Description:<br><input name=description></p>
<p>Price:<br><input name=price></p>
<P>Material:
Steatite <INPUT type=radio name=material value=1>
Bone<INPUT type=radio name=material value=2>
Sold?<INPUT type=checkbox name=sold value="yes"></P>
<P>Region:<SELECT size=4 name=Region>
<OPTION value="Arctic Bay" selected>Arctic Bay</OPTION>
<OPTION value="Clyde River">Clyde River</OPTION>
<OPTION value="Cape Dorset">Cape Dorset</OPTION>
<OPTION value="Lake Harbour">Lake Harbour</OPTION>
</SELECT></P>
<INPUT type=submit value=Submit>
<INPUT type=reset value=Reset>
</form>
</BODY>
</HTML>

```

| | | |
|---------------|--------------------------------|---------------|
| Page 5 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/A |

Step 10 Printout

```

<HTML>
<HEAD>
<Title>Inuit Gallery IIIA</title>
</HEAD>
<BODY>
<P>Inuit Gallery</P>
<%
artist=request.form("artist")
description=request.form("description")
price=request.form("price")
material=Request.Form("material")
sold=request.form("sold")
if sold<>"yes" then sold="no"
region=request.form("region")
response.write "<p>The data you entered was:</p>"
response.write "<p>Artist: " & artist & "</p>"
response.write "<p>Description: " & description & "</p>"
response.write "<p>Price: " & price & "</p>"
response.write "<p>Sold: " & sold & "</p>"
response.write "<p>Material: " & material & "</p>"
response.write "<p>Region: " & region& "</p>"

error=false
if len(description)>20 then
    response.write("That description is too long")
    error=true
end if
if not isnumeric(price) then
    response.write("Prices must be numbers")
    error=true
end if

if error then
    response.write "<p>The data has not been saved</p>"
else
Set MyConn = Server.CreateObject("ADODB.Connection")
MdbFilePath = Server.MapPath("5206a.mdb")
MyConn.Open "Driver={Microsoft Access Driver (*.mdb)}; DBQ=" & MdbFilePath & ";"

sql = "INSERT INTO sculpt (artist,description,price,sold,material,region) "
sql = sql & " VALUES (" & artist & "," & description & "," & price & "," & sold & "," & material &
"," & region & ")"
Set RS = MyConn.Execute(SQL)
response.write "<p>The data has been saved</p>"
end if
%>

</BODY>
</HTML>

```

1. Check title length
2. Write error if needed

1. Check price is a number
2. Write error if needed

1. Write to database
2. Write confirmation

2003

CAREER AWARD IN ICT
Advanced Level

MARK SCHEME

MODULE: 5206/B
WEBSITE PROGRAMMING

| | | |
|---------------|--------------------------------|---------------|
| Page 1 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/B |

Step 6

University of Tawara Beach - Stationery Office

The data you entered was:

Description: Ball Pen Blue

Code: 9015

Price: 0.25

Special: no

Category: 1

Supplier: Dudley

The data has been saved

1. 5 fields are correct
2. message "data saved"

Step 7

University of Tawara Beach - Stationery Office

The data you entered was:

Description: Fineliner Red

Code: 1A25

Price: 1.50

Special: no

Category: 1

Supplier: Dudley

Codes must be numbers

Data is not valid

1. 5 fields are correct
2. message "data is not valid"

| | | |
|---------------|--------------------------------|---------------|
| Page 2 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/B |

University of Tawara Beach - Stationery Department

1. 38 records
2. "blue ballpoint" included

Non-Special Order Items

| | | | |
|--|--------|-------|--------|
| A4 Feint Ruled Pad Mgn/Hole Punched | 1618 | 0.36 | Dudley |
| Asst Cols - (Pack of 8) | 101458 | 2.78 | Dudley |
| Asst Cols Highlighter | 2402 | 0.65 | Dudley |
| Asst Cols Highlighter | 2426 | 0.76 | Dudley |
| Bic Medium Black | 2246 | 0.08 | Dudley |
| Bic Pens Medium Blue | 2247 | 0.08 | Dudley |
| Bic Pens Medium Red | 2251 | 0.08 | Dudley |
| Bulldog Clips 40mm | 610 | 0.16 | Dudley |
| Bulldog Clips 50mm | 272 | 0.18 | Dudley |
| Bulldog Clips 50mm - (Pack of 10) | 101472 | 1.76 | Dudley |
| CORRECTION FLUID CHOICE | 3668 | 0.4 | Dudley |
| Eraser | 3512 | 0.15 | Dudley |
| Eraser - (Pack of 20) | 101890 | 3.07 | Dudley |
| Fine Pen Green | 3461 | 0.08 | Dudley |
| Fineliner Pen Blue - (Pack of 12) | 101097 | 8.73 | Dudley |
| Paper Clips Giant Wavy (Box of 100) | 265 | 1.59 | Dudley |
| Paper Clips Large (Box of 1000) | 261 | 1.16 | Dudley |
| Pentel Fibre Pen S520 Black - (Pack of 12) | 102377 | 5.3 | Dudley |
| Pentel Fibre Pen S520 Blue | 754 | 0.44 | Dudley |
| Pentel Fibre Pen S520 Blue- (Pack of 12) | 102410 | 5.3 | Dudley |
| Pentel Fibre Pen S520 Green | 756 | 0.44 | Dudley |
| Pentel Fibre Pen S520 Green - (Pack of 12) | 102438 | 5.3 | Dudley |
| Pentel Fibre Pen S520 Red | 758 | 0.44 | Dudley |
| Pentel Fibre Pen S520 Red- (Pack of 12) | 102462 | 5.3 | Dudley |
| Pentel Marker N60 Black - (Pack of 12) | 101269 | 12.48 | Dudley |
| Pentel Marker N60 Blue | 1766 | 1.21 | Dudley |
| Pentel Marker N60 Blue- (Pack of 12) | 101273 | 12.48 | Dudley |
| Pentel Marker N60 Red | 1767 | 1.21 | Dudley |
| Pentel Marker N60 Red- (Pack of 12) | 101315 | 12.48 | Dudley |
| Pink - Highlighter (Pack of 10) | 101217 | 6.1 | Dudley |
| Calc Casio Pocket HS-5 | 1382 | 3.24 | Dudley |
| Clipboard Black PVC | 685 | 1.17 | Dudley |
| Hole punch | 7332 | 2.45 | Dudley |
| PENCIL CUP AGENDA BLUE | 888 | 3.75 | Dudley |
| Rack Magazine Myers 440 Blue | 2574 | 3.06 | Dudley |
| Small aluminium box - (Pack of 20) | 102465 | 0.79 | Dudley |
| SORTER VERTICAL AGENDA BLUE | 101022 | 13.95 | Dudley |
| Ball Pen Blue | 9015 | 0.25 | Dudley |

<HTML>

<HEAD>

<Title>University of Tawara Beach Stationery Office</title>

</HEAD>

<BODY>

<P>University of Tawara Beach Stationery Office</P>

1. Shows HTML
2. uses a form

| | | |
|---------------|--------------------------------|---------------|
| Page 3 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/B |

```
<p>Please fill in the information below:</p>
<form method=post action=process.asp>
<P>Item Description:<br><INPUT name=description></P>
<P>Item Code:<input name=code>Price:<input name=price></p>
<P>Category:
Consumable<INPUT type=radio name=category value=1>
Non-consumable<INPUT type=radio name=category value=2>
Special Order?<INPUT type=checkbox name=special value="Yes"></P>
<P>Supplier:<SELECT size=4 name=supplier>
<OPTION value="Dudley" selected>Dudley</OPTION>
<OPTION value="XMA">XMA</OPTION>
<OPTION value="CBC">CBC</OPTION>
<OPTION value="Wetherbys">Wetherbys</OPTION>
</SELECT></P>
<INPUT type=submit value=Submit>
<INPUT type=reset value=Reset>
</form>
</BODY>
</HTML>
```

| | | |
|---------------|--------------------------------|---------------|
| Page 4 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/B |

```

<HTML>
<HEAD>
<Title>University of Tawara Beach - Stationery Office IIIB</title>
</HEAD>
<BODY>
<P>University of Tawara Beach - Stationery Office</P>
<%
description=request.form("description")
code=request.form("code")
price=request.form("price")
category=Request.Form("category")
special=request.form("special")
if special<>"yes" then special="no"
supplier=request.form("supplier")
response.write "<p>The data you entered was:</p>"
response.write "<p>Description: " & description & "</p>"
response.write "<p>Code: " & code & "</p>"
response.write "<p>Price: " & price & "</p>"
response.write "<p>Special: " & special & "</p>"
response.write "<p>Category: " & Category & "</p>"
response.write "<p>Supplier: " & supplier& "</p>"

error=false
if len(description)>30 then
    response.write("That description is too long")
    error=true
end if
if not isnumeric(code) then
    response.write("Codes must be numbers")
    error=true
end if

if error then
    response.write "<p>Data is not valid</p>"
else
Set MyConn = Server.CreateObject("ADODB.Connection")
MdbFilePath = Server.MapPath("5206b.mdb")
MyConn.Open "Driver={Microsoft Access Driver (*.mdb)}; DBQ=" & MdbFilePath & ";"

sql = "INSERT INTO statitem (description,code,price,category,special,supplier) "
sql = sql & " VALUES (" & description & "," & code & "," & price & "," & category & "," & special
& "," & supplier & ")"
Set RS = MyConn.Execute(SQL)
response.write "<p>The data has been saved</p>"
end if

%>

</BODY>
</HTML>

```

1. Check description length
2. Check for numeric code
3. Write error

1. Save data
2. Confirm data saved

2003

CAREER AWARD IN ICT
Advanced Level

MARK SCHEME

MODULE: 5206/C
WEBSITE PROGRAMMING

| | | |
|---------------|--------------------------------|---------------|
| Page 1 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/C |

Printout 1

University of Tawara Bay - School of Physics

The data you entered was:

StudentNo: 21224

InterviewDate: 010203

InterviewTime: 1000

AcademicYear: 0304

Confirmed: no

Qualification: CDAC

The data has been saved

1. Data as shown
2. Message confirming data saved

| | | |
|---------------|--------------------------------|---------------|
| Page 2 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/C |

Printout 2

University of Tawara Bay - School of Physics

The data you entered was:

StudentNo: 48115

InterviewDate: 290103

InterviewTime: 1400

AcademicYear: 0304

Confirmed: no

Qualification: CDAD

Student Number must be numeric starting with 1, 2 or 3

The data has not been saved

1. Data as shown
2. Correct error message
3. Message showing data not saved

| | | |
|---------------|--------------------------------|---------------|
| Page 3 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/C |

Printout 3

University of Tawara Bay - School of Physics

Applications for 2003/2004

| | | | | |
|-------|------|--------|------|-----|
| 20866 | CDAB | 030103 | 1200 | Yes |
| 11299 | CDAD | 051202 | 1100 | No |
| 31238 | CDAA | 051202 | 0930 | No |
| 31323 | CDAC | 051202 | 1300 | Yes |
| 10891 | CDAA | 090103 | 1200 | Yes |
| 30642 | CDAB | 090103 | 1030 | Yes |
| 31700 | CDAB | 090103 | 1430 | No |
| 31300 | CDAA | 131202 | 1500 | No |
| 21174 | CDAD | 180103 | 1430 | No |
| 10728 | CDAA | 181202 | 0930 | Yes |
| 20403 | CDAA | 231202 | 1600 | Yes |
| 20169 | CDAC | 270103 | 1600 | No |
| 21224 | CDAC | 010203 | 1000 | no |

1. Data as shown
2. Includes student 21224 and excludes student 48115

| | | |
|---------------|--------------------------------|---------------|
| Page 4 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/C |

Printout 4

```

<HTML>
<HEAD>
<Title>University of Tawara Bay - School of Physics IIIC</title>
</HEAD>
<BODY>
<P>University of Tawara Bay - School of Physics</P>
<form method=post action=process.asp>
<P>Student Number: <INPUT name=StudentNo></P>
<P>Interview Date: <input name=InterviewDate></p>
<p>Interview Time: <input name=InterviewTime></p>
<P>Academic Year: 2003/2004<INPUT type=radio name=AcadYear
value=0304>2004/2005<INPUT type=radio name=AcadYear value=0405>
Confirmed?<INPUT type=checkbox name=confirmed value="yes"></P>
<P>Qualification:<SELECT size=4 name=QualCode>
<OPTION value="CDAA">Physics</OPTION>
<OPTION value="CDAB">Physics with Maths</OPTION>
<OPTION value="CDAC">Physics with Electronics</OPTION>
<OPTION value="CDAD">Physics with Computing</OPTION>
</SELECT></P>
<INPUT type=submit value=Submit>
<INPUT type=reset value=Reset>
</form>
</BODY>
</HTML>

```

1. Appropriate HTML
2. Uses a form

| | | |
|---------------|--------------------------------|---------------|
| Page 5 | Mark Scheme | Module |
| | ICT CAREER AWARD - 2003 | 5206/C |

Printout 5

```

<HTML>
<HEAD>
<Title>University of Tawara Bay - School of Physics IIC</title>
</HEAD>
<BODY>
<P>University of Tawara Bay - School of Physics</P>
<%
studentno=request.form("studentno")
interviewdate=request.form("interviewdate")
interviewtime=Request.Form("interviewtime")
confirmed=request.form("confirmed")
if confirmed<>"yes" then confirmed="no"
acadyear=request.form("acadyear")
qualcode=Request.Form("qualcode")
response.write "<p>The data you entered was:</p>"
response.write "<p>StudentNo: " & StudentNo & "</p>"
response.write "<p>InterviewDate: " & InterviewDate & "</p>"
response.write "<p>InterviewTime: " & InterviewTime & "</p>"
response.write "<p>AcademicYear: " & AcadYear & "</p>"
response.write "<p>Confirmed: " & confirmed& "</p>"
response.write "<p>Qualification: " & qualcode & "</p>"
error=false
if len(interviewdate)>6 then
    response.write("The date should be exactly 6 characters long")
    error=true
end if
stustart=left(studentno,1)
if (not isnumeric(studentno)) or (stustart<>1 and stustart<>2 and stustart<>3) then
    response.write("Student Number must be numeric starting with 1, 2 or 3")
    error=true
end if
if error then
    response.write "<p>The data has not been saved</p>"
else
Set MyConn = Server.CreateObject("ADODB.Connection")
MdbFilePath = Server.MapPath("5206c.mdb")
MyConn.Open "Driver={Microsoft Access Driver (*.mdb)}; DBQ=" & MdbFilePath & ";"

sql = "INSERT INTO applic (studentno,qualcode, interviewtime, interviewdate, acadyear, confirmed) "
sql = sql & " VALUES (" & studentno & "," & qualcode & "," & interviewtime & "," & interviewdate
& "," & acadyear & "," & confirmed & ")"
Set RS = MyConn.Execute(SQL)
response.write "<p>The data has been saved</p>"
end if

%>

</BODY>
</HTML>

```

1. Collects data from form
2. checks length of interview date
3. checks type of studentno and first digit
4. prints error message if necessary
5. saves data
6. prints confirmation message