

Philadelphia University Faculty of Engineering

## **Marking Scheme**

Examination Paper BSc CE

## Advanced Programming Language (630521)

Second Exam

Second semester

Date: 08/05/2012

Section 1

Weighting 20% of the module total

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## Marking Scheme Advanced Programming Language (630501)

The presented exam questions are organized to overcome course material through 3 questions.

## **Marking Assignments**

**Question 1** This question is attributed with 6 marks if answered properly; the marks are organized as follows:

- 1. What is the output of the file the c# compiler produces?
  - Byte Code

a)

- b) Hex Dump d) Intel Assembler
- 2. The major component of the .NET framework that provides memory management is called
  - CLS a) CLR c)
  - b) MSIL
- 3. One of the following is an example of a value data types.
  - Structures a)
  - b) Classes d) Events
- 4. The attribute that must be specified with all ASP.NET Mobile controls is
  - a) ID
  - b) Runat

- d) BackColor
- 5. If no item was selected, the property **SelectedIndex** o the List class contains
  - a) 0 b) null d) None of the mentioned
- 6. If we have declared a button named "B1" and a corresponding event handler "B1 Click" in the code-behind file, the registration of this handler will be written as the following:
  - B1\_Cilck + = new EventHandler(B1\_Cilck); a)
  - b) B1.Cilck + = new EventHandler(B1.Cilck);
  - B1\_Cilck + = new EventHandler(B1.Cilck); c)
  - d) B1.Cilck + = new EventHandler(B1\_Cilck);

**Ouestion 2:** This question is attributed with 5 marks if answered properly,

Question 2.a The complete code for this question as the following:

private void Page_Load(object sender, System.E	0,
{ System.Web.UI.MobileControls.SelectionList s	1;
System.Web.UI.MobileControls.Link lk;	
System.Web.UI.MobileControls.Command c;	(1 marks)
c = new Command();	
lk = new Link();	
s1 = new SelectionList();	(1 marks)
<i>lk.Text</i> = "Go to wap.Amazon.com";	
lk.NavigateUrl = "wap.amazon.com";	(0.5 marks)
s1.SelectType = ListSelectType.CheckBox;	
s1.Items.Add("Credit");	
s1.Items.Add("Cash");	
s1.Items.Add("Debit");	
c.Text = "Hide Mobile Controls";	(1 mark)
c.Click+=new EventHandler(c Click);	
this.Form1.Controls.Add(lk);	
this.Form1.Controls.Add(s1);	
this.Form1.Controls.Add(c);	(0.5 marks)
}	

Question 2.b The complete code for this question as the following:

private void c Click(object sender, EventArgs e)

this.Form1.Controls.Clear();} (1 mark) {

MSIL

- d) VB.NET
- c) Interfaces

- c) Text
  - -1

Question 3: This question is attributed with 9 marks if answered properly, **Question 3.1** The complete code for this question as the following: (3 marks) <script language="C#" runat="server" > private class Customers *{ int IAge;* string SEmail, SAddress, SCustomerID; public Customers (int IA, string SE, string SA, string SC) IAge = IA;SEmail = SE; SAddress = SA;SCustomerID = SC; (1.5 marks) { public int Age ł get return IAge; } public string Email ł get return SEmail; { } } public string Address get ł return SAddress; } public string CustomerID get { { return SCustomerID; } } } (1.5 marks) **Question 3.2** The complete code for this question as the following: (6 marks) private void Page Load (object sender, EventArgs e) ArrayList CustomerList = new ArrayList (); { if (!IsPostBack) (1 mark) { CustomerList.Add(new Customers (24, "Email1@yahoo.com", "Street1", "45FG4"));

CustomerList.Add(new Customers (65, "Email2@yahoo.com", "Street2", "45REW")); CustomerList.Add(new Customers (67, "Email3@yahoo.com", "Street3", "654RE")); (1.5 mark) List1.DataSource =CustomerList; List1.DataTextField = "CustomerID"; List1.DataValueField = "Age"; List1.DataBind (); Response.Write(""); Response.Write("

Response. Write("Customer IDAddressforeach(Customers cust in CustomerList){Response. Write("'+cust.CustomerID+

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""+cust.Address+"");
}
```

Response.Write("");

(2 marks)

}