

### **What time does class start?**

Find the schedule for your course in your confirmation e-mail or from the Course Details link in your My University profile. Start time on Day 1 is listed in Pacific Standard Time (PST) in your e-mail confirmation.

### **I'm up, I'm up! Now what do I do first?**

On the morning of class, grab your coffee ("sip, ahhh"), and get comfortable at your computer. Log on to your Sage University profile to launch the Anytime Learning course window. Also launch a separate browser window for your Virtual Lab session. Open your book, and connect to the orientation conference call.

### **How do I connect to the call?**

Find the number to dial into the conference call using the phone number listed in your e-mail. If you have trouble connecting to the call, contact our training coordinators at [training.crm@sage.com](mailto:training.crm@sage.com) or 888-765-6662.

### **What are we going to talk about on the call?**

We want to introduce ourselves to you! Although most of the instruction is pre-recorded, our trainers stand-by to work you through the material for the duration of the course. If you have questions about the video/exercise format, this first morning call is a good chance to get acquainted. We can also address house-keeping items and technical difficulties.

### **Who else is on the call?**

It depends. We run all of our Virtual Classroom courses simultaneously. Your workbook is adjusted for the class for which you registered, and it may differ from someone else on the call who registered for a different class. We meet for wrap-ups with each group at different times, so the discussion and curriculum will still be relevant to you.



8800 N Gainey Center Drive  
Suite #359  
Scottsdale, AZ 85258  
[training.crm@sage.com](mailto:training.crm@sage.com)  
888-765-6662

## Welcome to Virtual Classroom!

We are glad you are here! Virtual Classroom is not a place; it's an experience. Talk with your trainer through Web chat or teleconference, watch recorded videos to see a demo and learn processes, and use the Virtual Lab to practice each exercise on your own. Watch the orientation video to see how this works: [tinyurl.com/slxhol](http://tinyurl.com/slxhol).

## Checklist:

On the morning of class, you should have the following resources:

- An invitation to the Virtual Lab session sent to your email address from [training.crm@sage.com](mailto:training.crm@sage.com). This invitation contains a link to join the Virtual Lab and teleconference information.
- A registration confirmation for the companion Anytime Learning course sent to your email address from [training.crm@sage.com](mailto:training.crm@sage.com).
- A link to view your course workbook. Each exercise in your book has a 1:1 correspondence to a recorded video in your Anytime Learning course window. If you prefer to receive a printed, bound, click the link in your confirmation email to place an order.

# Agenda



Because the format of this class is self-paced, note the recommended agenda for best use of your time.

## Day 1 – Lessons 1 and 2 (partial)

### Stop after Exercise 2.4

- Structure of a C# application
- Casting variables
- Program flow control (loops, if/else)
- Debugging
- Constructors, this, private/public variables
- Inheritance
- ToString
- Polymorphism, Interface
- Creating a DLL (aka assembly)
- Enums, switch statements
- Basics of Windows Form
- Using a DLL from a Windows App
- Error Handling

## Day 2 – Lessons 2 (partial) and 3

### Start at Exercise 2.5

- Using ADO.NET
- Linking a Windows App to a database
- Struct datatype
- Databinding
- IIS Settings
- Create new Web site – page, css, master pages
- User controls (smart parts)
- Web.config
- Data grids and databinding
- Form based authentication
- Exploring existing Web sites
- jQuery, XML, SData
- WebServices, Ajax



## Consider the Following:

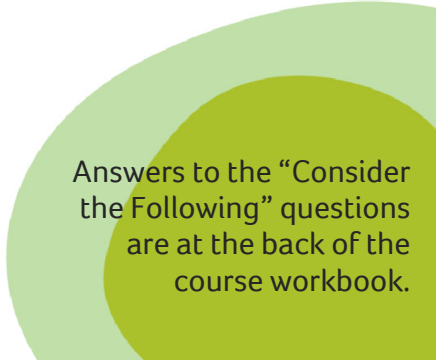
In a technical training class, it's easy to get lost in the details. Our goal is to make sure you not only understand the details of how something works, but also WHY you need to know them. The "Consider the Following" questions are a good way to keep your mind focused on the bigger picture as you work.

Take a look at these questions now, and refer back to them as you work. When we reconvene as a group, we will tackle some of these questions in our discussion.

- 1.1: Describe the main structure of a C# application.
- 1.2: What is the different between explicit and implicit conversion? As a programmer, what best practice should we follow with conversion?
- 1.3: Of the different loop possibilities (dowhile, for, while, foreach), which is the most efficient and preferred?
- 1.4: What is the purpose of private and public members within a class?
- 1.5: If you use inheritance to inherit from another class, what code gets pulled into your derived class? How can you change the code from the underlying class from your base class?
- 1.6: How is implementing an interface different from inheriting from a class?
- 1.7: How is a DLL (class library) different from an EXE (executable)?
- 2.1: What namespace provides the functionality to create a form (console application or Windows application)?
- 2.2: Does the Main method exist in a C# Windows application?
- 2.3: How do you add a class library to an application? Is a using statement required in order to use a DLL that is added as a reference a project?

## Continued...

- 2.4: With exception handling using Try, Catch, Finally, why would you use Finally? With exceptions, in which case would you throw an exception?
- 2.5: Why do we use the OLEDB provider instead of the SQL Server (sqlclient) provider?
- 2.6: When would you use a struct over a class?
- 2.7: When adding parameters to a OleDbCommand object, is the order in which you add the parameters important?
- 3.1: What is the benefit of having a virtual directory, as opposed to just another folder under the Web site?
- 3.2: How do the following file types work together: .aspx, .master, .css?
- 3.3: How does the user control (.ascx) file fit in with the other files (.aspx, .master, css)?
- 3.4: What information does the web.config contain? What's unique about how SalesLogix handles web and database configuration?
- 3.5: Which type of authentication does the SaleLogix Web application use?
- 3.6: What can you tell us about the port number assigned to the development server when running your Web site using the RUN button in Visual Studio?
- 3.7: JQuery is used a lot in the SalesLogix Web product. Describe JQuery.
- 3.8: Describe SData.
- 3.9: When creating a Web service, what must you do to expose a method?



Answers to the “Consider the Following” questions are at the back of the course workbook.