Adobe® Flex™ 2 Developer Exam
EXAM PREPARATION GUIDE

Adobe Flex™ 2 Developer Exam

This guide provides all the information you need to get started in preparing for Adobe Certified exams. Passing an exam demonstrates your proficiency with Adobe software products and allows you to promote your expertise with customers and employers.

Frequently Asked Questions

What are the benefits of being certified? What are the exams like? Get all your questions answered in a brief, to-the-point FAQ.

Exam Topic Areas and Objectives

Review the test content—topic areas and objectives—for each product exam. The topic lists will help direct your studies, so please review correctly.

Practice Exam

Review sample questions to get an idea of the types of questions that will be on the exam. *Note: Though helpful, these practice exams are not necessarily representative of the difficulty of the questions that you will encounter on the actual exam.*

CERTIFIED PROFESSIONAL
Adobe® Flex™ Developer

FREQUENTLY ASKED QUESTIONS

Q. What is the main benefit of passing exams and becoming Adobe certified?

A. Adobe certification is an industry standard in excellence that can be used to demonstrate your product knowledge and expertise, and also serves as a catalyst when finding a job or seeking a promotion. The Adobe Certified logos and credentials have been created for self-promotional use by individuals who have met all requirements of the Adobe Certified Professional or Adobe Certified Instructor programs. Those who have passed the tests may place certification logos on business cards, resumés, Web sites, and other promotional materials.

Q. What is an Adobe Certified Instructor (ACI)?

A. An Adobe Certified Instructor (ACI) is an individual who provides instruction on Adobe products. ACIs must have an instructor qualification (a teaching credential, passed the CompTIA CTT+ (http://www.comptia.org/certification/ctt/) or equivalent), in addition to passing one or more Adobe exams. For more information, visit the ACI home page, http://www.adobe.com/support/certification/aci.html

Q. How do I prepare for an exam?

A. The keys to preparing for an exam are experience with the product and studying this Exam Preparation Guide (http://partners.adobe.com/public/ace/main.html). To access online training, user guides, and many other study materials, visit Adobe's training resources page (http://www.adobe.com/support/training.html). The following resources may also help you prepare for your exam:

- Adobe product user guides

- Adobe Press books

- Adobe Authorized Training Centers (find the AATC nearest you through the Adobe Partner Finder online at: http://partners.adobe.com/asn/partnerfinder/search_training.jsp)

- Adobe online training at www.adobe.elementk.com

- Tutorials and materials from Total Training, at www.totaltraining.com

- Other training resources online at www.adobe.com/support/training.html

Q. How do I get training?

A. Once you know what product you want to get certified in, use the Adobe Partner Finder (http://partners.adobe.com/asn/partnerfinder/trainingprovider/index.jsp) database to locate an Adobe Certified Instructor or an Adobe Authorized Training Center in your area that teaches a class on the Adobe product you want to learn. Contact them directly for more information about their classes and registration details.

FREQUENTLY ASKED QUESTIONS

Q.   What is the format of the exams?

A.   Adobe exams (which are administered by Pearson VUE and Thomson Prometric, independent third-party testing companies) are computer-delivered, closed-book tests consisting of 60 to 90 multiple-choice questions. Each exam takes approximately one to two hours to complete, and results are given to you at the testing center immediately after you complete the test.

Q.   How do I register for an exam?

A.   Contact Pearson VUE or Thomson Prometric by phone, on the Web, or in-person:

	Pearson VUE	**Thomson Prometric**
Register online	www.pearsonvue.com	www.2test.com
Register in-person	Find a location online at www.pearsonvue.com	Find a location online at www.2test.com

Q.   What is the fee for the exam?

A.   Each exam is US$150 or local currency equivalent.

Q.   Soon after I passed an exam, the exam was published for a new product version. Do I have to successfully complete the new exam within 90 days?

A.   You may continue to use your logo and materials in accordance with the Adobe Certified Program Guidelines for Logos and Credentials. When an exam is are published for the next version of the product, you must successfully complete that exam within 90 days to keep your status current and continue using the logo and materials.

Q.   What can I expect from Adobe if I pass the exam?

A.   As soon as you pass the exam, your name and exam results are given to us by Pearson VUE or Thomson Prometric, our worldwide test administrators. Your exam data is then entered into our database. You will then be sent a Welcome Kit and access to your logo. You are also placed on our certification mailing list to receive special Adobe announcements and information about promotions and events that take place throughout the year.

Q.   How long does it take to receive my Welcome Kit?

A.   You can expect your Welcome Kit to arrive four to six weeks after we receive your exam results.

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Exam Content: Topic Areas and Objectives

Following is a detailed outline of the information covered on the Flex 2 Exam.

1. **Flex Application User Interface (UI) Creation**

   • Identify and describe the basic UI controls used in a Flex application.

   • Identify the purpose of UI containers and when to use them.

   • Identify how to change the look and feel of a design by using API styles and style sheets.

   • Recognize how to customize changes, control-related presentation layouts and navigation in an application by using view states, and using transitions and effects.

2. **Flex System Architecture and Design**

   • Recognize how UML and Use Cases are used in object-oriented design.

   • Identify the relationship of design patterns with respect to system architecture.

   • Recognize and describe event-based programming model in events.

   • Identify how to build loosely-coupled components.

   • Recognize how Inheritance, Encapsulation, and Polymorphism works.

   • Recognize the structure of a J2EE architecture.

3. **Flex Application Programming Fundamentals**

   • Identify the properties and relationships between classes and objects and how they work in Flex.

   • Identify how to display data in Flex.

   • Identify how to manipulate data in Flex.

   • Recognize how to validate data by using built-in and custom validator classes.

   • Recognize how to create and use ActionScript classes.

   • Identify the purpose and uses of handling events in Flex.

   • Recognize how to use XML data in Flex.

   • Recognize how to create and use custom components in Flex.

   • Recognize how to display data using different chart types, formats, and legends.

4. **Interacting with Remote Data and Flex Applications**

   • Recognize how to use Remote Procedure Call (RPC) services.

   • Recognize how to manage data using Flex Data Services (FDS).

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1. **Identify the purpose of UI containers and when to use them.**

   Which two UI containers support absolute layout positioning? (Choose two.)

   A. Tile

   B. Grid

   C. VBox

   D. Canvas

   E. Application

   Correct Answer: D, E

2. **Identify how to change the look and feel of a design by using API styles and style sheets.**

   Your application includes the following declaration:

   <mx:Style>.myFontStyle { fontSize: 15 }</mx:Style>

   You want to assign a visual control to be a member of the myFontStyle class.

   Which syntax should you use?

   A. class="myFontStyle"

   B. class=".myFontStyle"

   C. styleName="myFontStyle"

   D. styleName=".myFontStyle"

   Correct Answer: C

3. **Identify how to change the look and feel of a design by using API styles and style sheets.**

   Which statement about Cascading Style Sheet properties in Flex is true?

   A. Spaces are allowed in property names

   B. All CSS properties are available in Flex

   C. Components CANNOT by styled using CSS

   D. Class selectors can be applied to a component using the styleName property

   Correct Answer: D

4. **Recognize how to customize changes, control-related presentation layouts and navigation in an application by using view states, and using transitions and effects.**

   Which kind of data should be passed to the targets property of an effect?

   A. Array

   B. Object

   C. Control

   D. Container

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Correct Answer: A

5. **Identify how to build loosely-coupled components.**

Which statement about loosely-coupled components is true?

A.   They decrease reusability

B.   An event model CANNOT be used

C.   Data can be sent by binding variables to component attributes

D.   They have direct knowledge of the properties and methods of other components

Correct Answer: C

6. **Recognize how Inheritance, Encapsulation, and Polymorphism works**

You have a custom ActionScript class named MyClass that implements an interface named MyInterface. You want to create an instance of the class, and be able to pass it to a method that accepts any class that implements the interface.

Which syntax should you use?

A.   var obj:MyClass = new MyInterface();

B.   var obj:MyInterface = new MyClass();

C.   var obj:MyClass = new MyClass() as MyInterface;

D.   var obj:MyInterface = new MyInterface(new MyClass());

Correct Answer: B

7. **Recognize how to create and use ActionScript classes.**

You have created a custom ActionScript class called MyClass. You want to be able to pass in an optional argument that is typed as an Object.

Which is the correct signature of the constructor method?

A.   public function MyClass(item:Object)

B.   public function MyClass(item:Object = null)

C.   public function MyClass(item:Object):MyClass

D.   public function MyClass(item:Object) as MyClass

Correct Answer: B

8. **Recognize how to display data using different chart types, formats, and legends.**

Which type of variable should be passed to the series property of a charting component?

A.   Data Transfer Object

B.   A single Series object

C.   Array of Series objects

D.   ArrayCollection of Data Transfer Objects

Correct Answer: C

9. **Recognize how to use Remote Procedure Call (RPC) services.**

You are accessing multiple remote methods from a WebService object. You need to define different result events for each method call.

Which tag nested inside the WebService tag block should you use?

A.   <mx:result>

B.   <mx:method>

C.   <mx:operation>

D.   <mx:remoteMethod>

Correct Answer: C

10. **Recognize how to manage data using Flex Data Services (FDS)**

Your application uses the Data Management Service to manage distributed data.

You have returned an instance of the AsyncToken class upon calling the

DataService commit() method, using this syntax:

    token = myService.commit();token.action="saved";

You have defined a result handler method that is called upon the result event of

the DataService. The method signature is:

    resultHandler(event:ResultEvent):void

Which expression within the handler method will return the value of the token

object action property?

A.   event.action

B.   event.token.action

C.   event.token.result.action

D.   event.result.token.action

Correct Answer: B