

ASP.NET WEBAPI S2 DAY1

Q. Which one of the following is a WebApi controller class? Complete the following code by dragging and dropping

```
class MyApiController : ____  
{  
    //Action methods  
}
```

Attempted

1. ApiController

Solution

1. ApiController

2. WebApiController

3. Controller

Q. Sam wants to create a web api method that should be called on HttpGet request and Returns a List of products

What is the valid method signature to achieve the task?

- 1). public List<Product> SelectAllProducts() { //code to return values }
- 2). public List<Product> RetrieveAllProducts(HttpGet) { //code to return values }
- 3). **[HttpGet] public List<string> RetrieveProducts() { //code to return values }**
- 4). [Get] public List<string> RetrieveValues() { //code to return values }

Q. Identify the correct statements about WebApi

- A. WebApi uses http protocol for communication
- b. Messages are exchanged in SOAP format in WebApi

- 1). Both statement A & B are true
- 2). **Statement A is true and Statement B is false**
- 3). Statement A is false and Statement B is true
- 4). Both Statement A & B are false

Q. Which one of the following request header should be added to request webapi to return data in xml format?

- 1). ReturnData:"application/xml"
- 2). **Accept:"application/xml"**
- 3). Return-DataFormat:"application/xml"
- 4). None of the above

Q. Which of the following technologies supports only SOAP as message exchange format

- 1). Web API
- 2). **Web Service**
- 3). WCF Service
- 4). None of the above

Q. Which of the following statements are correct about Web API

Statement A: Web API supports multiple protocols for communication like http, tcp, named pipes

Statement B: Web API services can be hosted in IIS

- 1). Statement A is true Statement B is false
- 2). **Statement A is false Statement B is true**
- 3). Both are true
- 4). both are false

Q. Which one of the following helper methods returns HttpStatus=200?

- 1). NotFound()
- 2). Unauthorized()
- 3). **Ok()**
- 4). All the above

Q. Which one of the following is correct URI to invoke the following webapi method

```
[RoutePrefix("api/Products")]
public class ProductController : ApiController
{
    [HttpGet]
    [Route("{id}/Find")]
    public IHttpActionResult GetProductById(int id)
    {
        return Ok();
    }
}
```

- 1). /101/Find
- 2). Product/101/Find
- 3). **/api/Products/101/Find**
- 4). All the above

Q. Identify the signature of Web API method that passes the password to the AuthenticateUser method in request body

- 1). **[HttpPost] public IActionResult AuthenticateUser(string userName, [FromBody]string password) { //Code for authentication }**
- 2). [HttpPost] public IActionResult AuthenticateUser([FromBody]string userName, [FromBody]string password) { //Code for authentication }

3). [HttpPost] public IActionResult AuthenticateUser(string userName, [FromBody]string password) { //Code for authentication }

4). None of the above

Q. A Web API service can be consumed by using which one of the following methods?

1). Using HttpClient class

2). Using JQuery AJAX

3). **Using XMLHttpRequest**

4). All the above