1. What are HTTP/Asp Handlers?

### Custom HttpHandlers

You can also create your own custom HTTP Handlers and register it for request handling. You can register the HTTP Handlers in a Web.Config file using <HttpHandlers /> element. However, the registration will always be based on the version of IIS [Old Versions/IIS 7 Classic Mode/Integrated Mode.

Let's create a small example of custom HTTP Handlers. You can implement a custom HTTP Handler using a simple class which implements an interface IHttpHandler. This interface provides one method ProcessRequest() and a property IsReusable.

* ProcessRequest() - This is a method which gets called when the request is received. Inside this method, you can call the HttpContext object which is passed as a parameter to the method. Using this object you can access the Request, Response and Server objects for implementing the processing logic.
* IsReusable Property - When this handler is called, the ProcessRequest method will process the request. If the IsReusable property is set to true, the same handler will be used for processing other requests of the same type. If it is false, then after the request is processed, the handler object gets destroyed.

Now let's explore the HttpModule. HttpModule is another part of request processing of ASP.NET. In a single request processing, there can be more than one modules which gets executed. HttpModules take part in processing of the request by handling the Application events. There are number of events which you can handle during the HttpModule processing. For example - BeginRequest(), EndRequest(), AuthenticateRequest() etc.

You can also create custom HttpModules. You can create a custom HttpModule using a simple class which implements IHttpModule interface. This interface provides two method -

* Init() - This method takes a HttpApplication object as parameter which allows the HttpModule to register the events.
* Dispose() - The logic of cleanup can be written in this method which will get executed before garbage collection.

HttpModules can be registered in Web.Config using <httpModules/>

1. What are the MVC page events?

You should start the page with the load message visible and hide it on load event. Something like this:

HTML

<div class="loading">loading....</div>

JS

$(window).load(function() {

$('.loading').hide(); // hide message when finished with load

});

EDIT

I've replaced document.ready by windows.load as document ready doesn't wait images to load.

1. How to provide security to a website?

HTTPS or Hyper Text Transfer Protocol Secure, is a secure communications protocol that is used to transfer sensitive information between a website and a web server. [Moving your website](http://null-byte.wonderhowto.com/how-to/difference-between-http-and-https-0147065/) to the HTTPS protocol essentially means adding an encryption layer of TLS (Transport Layer Security) or SSL (Secure Sockets Layer) to your HTTP making your users’ and your own data extra secure from hacking attempts.

1. Where we initialize routing?

When an MVC application first starts, the Application\_Start() method is called. This method, in turn, calls the RegisterRoutes() method. The RegisterRoutes() method creates the route table.

The default route table contains a single route (named Default). The Default route maps the first segment of a URL to a controller name, the second segment of a URL to a controller action, and the third segment to a parameter named id.

1. Which authentication is used to your application? Why?

Windows authentication.

1. If you use Forms authentication, tell me why?

<system.web>

<authentication mode="Forms">

<forms loginUrl="logon.aspx" name=".ASPXFORMSAUTH">

</forms>

</authentication>

<authorization>

<deny users="?" />

</authorization>

</system.web>

1. How can we implement validation in MVC? Server and client side.

**MVC server**-**side validation** using the Data Annotation API. The ASP.NET **MVC**Framework validates any data passed to the controller action that is executing.

* What are session modes in asp.net?
* What is web farm and web garden?
* Which session mode will be used in web farm and how?
* Explain the processing of page on the IIS?
* Difference between view state and hidden fields?
* What happened if the view state is disabled at the page level and enabled for control level? Will the control value will be retained back after page post back? (Ans : Yes, this is possible in .net 4.0)
* 2.       Difference between action result and view result.
* 3.       Difference between 3 tier Architecture and MVC.