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CSCI 3800
SOAP Request Headers

Request

Header	Value	Description
status	POST /geoipservice.asmx HTTP/1.1	This describes the nature of the request. We use the POST verb applied to geoipservice.asmx. We also have to specify we are using HTTP 1.1
Accept-Encoding	gzip,deflate	Tells the server what kind of encodings are acceptable as a response. So we will accept either gzip or deflate encodings.
Content-Type	text/xml;charset=UTF-8	Tells the server the media type of the entity-body that was sent. In this case the media is text and xml that uses the character set UTF-8.
SOAPAction	http://www.webservicex.net /GetGeoIP	Describes the intent of SOAP request. Here we specify that we intend to use th GetGeoIP service at webservicex.net
Content-Length	325	The size of the message body in bytes. This is the size of the message after the black line after the headers.
Host	www.webservicex.net	This field names the appropriate internet host to send the request to. A port number can also be specified on the same line.
Connection	Keep-Alive	This field describes the nature of the connections. In

		this example, we use keep-alive to keep the connection open. Alternatively, "close" can be used to close the connection after the request has been serviced.
User-Agent	Apache;HttpClient/4.1.1 (java 1.5)	This contains information about the sender of the request. This can include server type, http protocol version, etc. In this example, we tell the server we sent from an apache server with http 4.1.1 running JVM 1.5

Response

Header	Value	Description
Content-Length	400	The response body has a length of 400 bytes.
status	HTTP/1.1 200 OK	The response uses HTTP 1.1 protocol and the return code was 200 meaning that it was successful
Content-Encoding	gzip	The encoding of the body is in the form gzip that we originally requested
Content-Type	text/xml; charset=utf-8	The body of the request is the in the form of text and xml that uses the utf-8 character set
Server	Microsoft-IIS/7.0	This field includes information about the server that serviced this request. So the server is running

		Microsoft-IIs/7.0
X-Powered-By	ASP.NET	This is just a non-standard filed because it is prefixed by an "-x". This probably means that the web server uses ASP.NET as its server side framework.
Cache-Control	private,max-age=0	Instructs the caching mechanism along the request/response chain. In this example, the response is private, meaning it is only intended for one user only.Max-age indicates that we only accept a response whose age is no greater that 0 seconds. So it has to be brand new every time.