

SMS Keyword Auto responder.

Functional Use:

SMS keyword applications are designed to send customized SMS replies based on the 'Body' of the incoming text message.

When an SMS message is received at your DID phone number, application will fetch the 'text' & 'from' parameter from the request. Application will then match the text of your incoming message with the keywords you have listed and send an automated reply to number received in 'from' parameter.

Web.config settings:

```
<add key="DidNumber" value="1XXXXXXXXX"/>
<add key="SmsApiBaseUrl"
value="https://api.didforsale.com/didforsaleapi/index.php/api/SMS/send/" />
<add key="ApiKey" value="Get APIKEY from your DID account" />
```

Code Description:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using System.Net;
using System.IO;
using System.Web.Configuration;

namespace DidSMS.Controllers
{
    public class HomeController : Controller
    {
        public string didNumber =
            WebConfigurationManager.AppSettings["DidNumber"].ToString();
        public string apiKey = WebConfigurationManager.AppSettings["ApiKey"].ToString();
        public string smsApiBaseUrl =
            WebConfigurationManager.AppSettings["SmsApiBaseUrl"].ToString();
        // Set keyword that match in incoming sms
        string keyword = "demo";
        // Set autoresponse for keyword configuration
        string autoResponse = "How to configure the SMS to forward to web URL
            http://www.didforsale.com/simple-sms-api-php";
    }
}
```

```

public ActionResult KeyWord(string from, string text)
{
    string result = string.Empty;
    try
    {
        if (text.ToLower().Contains(keyword))
        {
            //DIDforsale api only accept json data format
            ServicePointManager.SecurityProtocol = SecurityProtocolType.Ssl3 |
SecurityProtocolType.Tls12 | SecurityProtocolType.Tls11 | SecurityProtocolType.Tls;
            var httpRequest = (HttpRequest)WebRequest.Create(smsApiBaseUrl
+ apiKey);

            httpRequest.ContentType = "application/json";
            httpRequest.Method = "POST";
            using (var streamWriter = new
StreamWriter(httpRequest.GetRequestStream()))
            {
                var json = "{\"from\":\"" + didNumber + "\",\"to\":[" + from +
"\",\"text\":\"" + autoResponse + "\"}";
                streamWriter.Write(json);
                streamWriter.Flush();
                streamWriter.Close();
            }
            var httpResponse = (HttpWebResponse)httpRequest.GetResponse();
            using (var streamReader = new
StreamReader(httpResponse.GetResponseStream()))
            {
                result = streamReader.ReadToEnd();
            }
        }
    }
    catch (Exception ex)
    {
        result = ex.Message + " " + ex.StackTrace;
    }
    return this.Content(result);
}
}
}

```

User need to set receiving URL on DID portal under user account following below steps:

- ❖ User will login to DID portal.
- ❖ Go to Products.
- ❖ Select SMS from menu.
- ❖ Select DID number.
- ❖ Select update "SMS forwarding" option in drop down above numbers list.
- ❖ Press apply to submit the page.
- ❖ URL will be generated in next page. Press confirm to proceed with this URL.

When a new SMS will be received by DID Number, DID API will hit this receive URL. Our code will check for the predefined keyword and if keyword found in the message, predefined autoreply will be sent to the sender's number.