

MessagesController.cs

```
using Newtonsoft.Json;
using RestaurantBot.Dialogs;
using Microsoft.Bot.Builder.FormFlow;
using RestaurantBot.Models;

[BotAuthentication]
public class MessagesController : ApiController
{
    public async Task<HttpResponseMessage> Post([FromBody]Activity activity)
    {
        if (activity.Type == ActivityTypes.Message)
        {
            await Conversation.SendAsync(activity, MakeLuisDialog());
        }
        else
        {
            HandleSystemMessage(activity);
        }
        var response = Request.CreateResponse(HttpStatusCode.OK);
        return response;
    }

    internal static IDialog<UserOrder> MakeLuisDialog()
    {
        return Chain.From(() => new LUISDialog(UserOrder.BuildForm));
    }

    private Activity HandleSystemMessage(Activity message)
    {
        if (message.Type == ActivityTypes.DeleteUserData)
        {
            // Implement user deletion here
            // If we handle user deletion, return a real message
        }
        else if (message.Type == ActivityTypes.ConversationUpdate)
        {
        }
        else if (message.Type == ActivityTypes.ContactRelationUpdate)
        {
            // Handle add/remove from contact lists
            // Activity.From + Activity.Action represent what happened
        }
        else if (message.Type == ActivityTypes.Typing)
        {
            // Handle knowing tha the user is typing
        }
        else if (message.Type == ActivityTypes.Ping)
        {
        }

        return null;
    }
}
```