# Code Sample Request

## Requirements

Create a new MVC web application (ASP.Net MVC/Razor C#), with one web page that displays a list of messages.

The application should:

* Make a web service call to retrieve the JSON service output below (a local service or a mocked service call would be fine).
* Convert the JSON output to a list of message objects.
* Unit test(s) to validate that the data transformation properly converts JSON into expected objects.
* Display the list of messages on the web page in a table grid:
  + Message ID, Channel, Message Date (Eastern USA Time zone), Subject

## Sample JSON Service Output

{  
 "messages": [{  
 "id": 1,  
 "subject": "First Message",  
 "date": "2016-01-05T14:05:00Z",  
 "channelId ": 10  
 },  
 {  
 "id": 2,  
 "subject": "Second Message",  
 "date": "2016-04-15T13:45:00Z",  
 "channelId": 11  
 },  
 {  
 "id": 3,  
 "subject": "Third Message",  
 "date": "2016-10-20T09:30:00Z",  
 "channelId ": 10  
 }],  
 "channels": [{  
 "id": 10,  
 "Name": "Email"  
 },  
 {  
 "id": 11,  
 "Name": "Facebook"  
 }]  
}

## Expected Web Page Output

|  |  |  |  |
| --- | --- | --- | --- |
| Message ID | Channel | Message Date | Subject |
| 1 | Email | Jan 5, 2016 9:05 AM | First Message |
| 2 | Facebook | Apr 15, 2016 9:45 AM | Second Message |
| 3 | Email | Oct 20, 2016 5:30 AM | Third Message |