Changes to BotServices.cs

Thursday, June 13, 2019   1:25 AM

There are two sets of changes you need to make to the BotServices.cs file.

Diff screen shot to show first set of changes to BotServices.cs

Snippet for easy cut & paste (copy bolded lines)

```
using System.Collections.Generic;
using Microsoft.ApplicationInsights;
using Microsoft.Bot.Builder.AI.Luis;
using Microsoft.Bot.Builder.AI.QnA;
using Microsoft.Bot.Builder.ApplicationInsights;
using Microsoft.Bot.Builder.Solutions;
using System.Net.Http;
using QnA.MultiturnQnAMaker;

namespace QnAMultiturnVirtualAssistant.Services
{
  public class BotServices
  {
    HttpClient _httpClient;

    public BotServices()
    {
    }

    public BotServices(BotSettings settings, HttpClient httpClient)
    {
      _httpClient = httpClient;

      foreach (var pair in settings.CognitiveModels)
      {
        var set = new CognitiveModelSet();
        var language = pair.Key;
        var config = pair.Value;
```
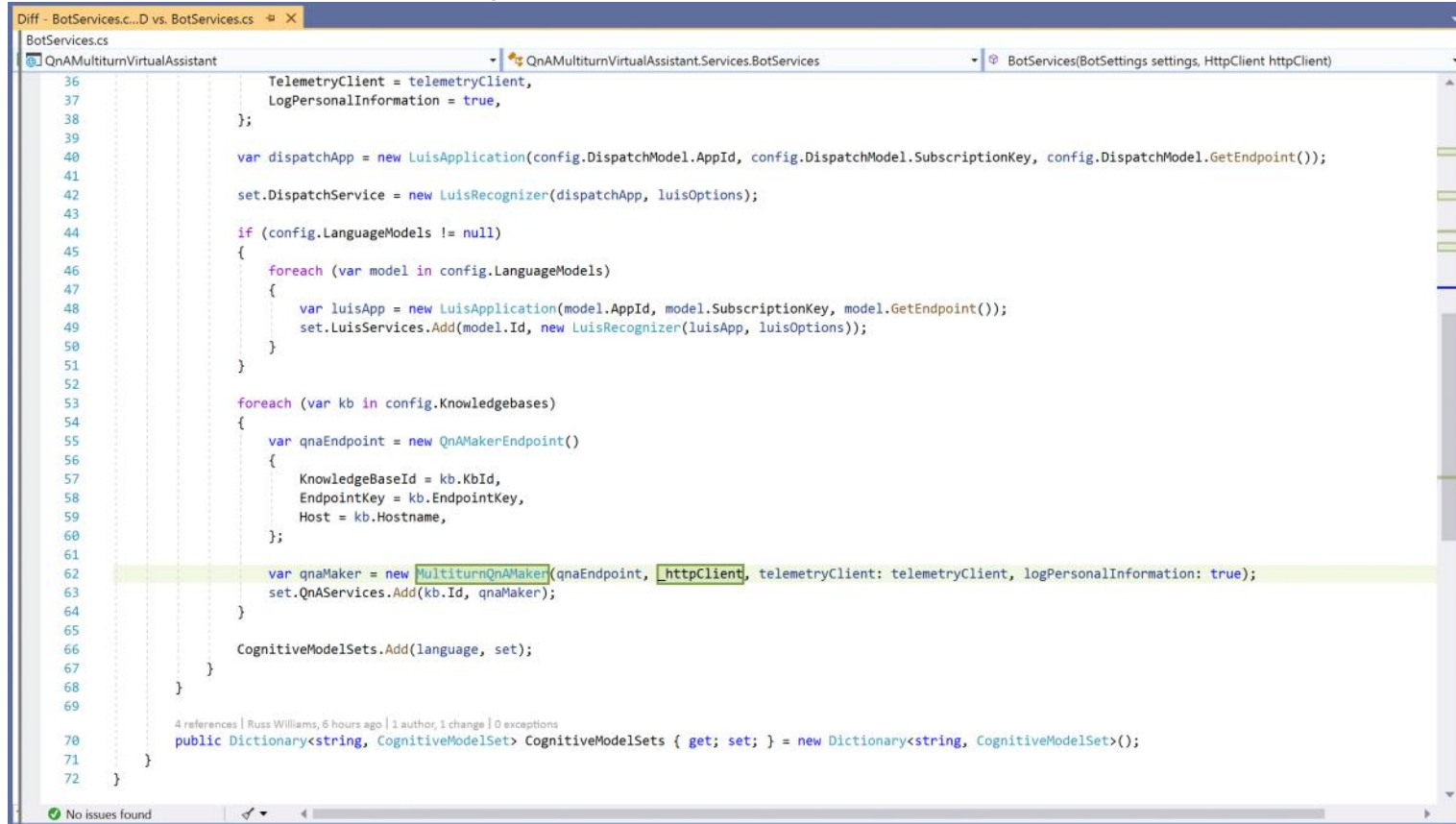
Diff screen shot to show second set of changes to BotServices.cs

```
Diff - BotServices.c...D vs. BotServices.cs     ⊨  ✕
BotServices.cs
⊡ QnAMultiturnVirtualAssistant          ▾  ⁙ QnAMultiturnVirtualAssistant.Services.BotServices      ▾  ⊕ BotServices(BotSettings settings, HttpClient httpClient)   ▾
 36              TelemetryClient = telemetryClient,
 37              LogPersonalInformation = true,
 38          };
 39
 40          var dispatchApp = new LuisApplication(config.DispatchModel.AppId, config.DispatchModel.SubscriptionKey, config.DispatchModel.GetEndpoint());
 41
 42          set.DispatchService = new LuisRecognizer(dispatchApp, luisOptions);
 43
 44          if (config.LanguageModels != null)
 45          {
 46              foreach (var model in config.LanguageModels)
 47              {
 48                  var luisApp = new LuisApplication(model.AppId, model.SubscriptionKey, model.GetEndpoint());
 49                  set.LuisServices.Add(model.Id, new LuisRecognizer(luisApp, luisOptions));
 50              }
 51          }
 52
 53          foreach (var kb in config.Knowledgebases)
 54          {
 55              var qnaEndpoint = new QnAMakerEndpoint()
 56              {
 57                  KnowledgeBaseId = kb.KbId,
 58                  EndpointKey = kb.EndpointKey,
 59                  Host = kb.Hostname,
 60              };
 61
 62              var qnaMaker = new MultiturnQnAMaker(qnaEndpoint, _httpClient, telemetryClient: telemetryClient, logPersonalInformation: true);
 63              set.QnAServices.Add(kb.Id, qnaMaker);
 64          }
 65
 66          CognitiveModelSets.Add(language, set);
 67      }
 68  }
 69
     4 references | Russ Williams, 6 hours ago | 1 author, 1 change | 0 exceptions
 70  public Dictionary<string, CognitiveModelSet> CognitiveModelSets { get; set; } = new Dictionary<string, CognitiveModelSet>();
 71  }
 72 }
 ✓ No issues found        ⌀ ▾    ◂                                                                                                    ▸
```

Snippet for easy cut & paste (copy bolded lines)

```
foreach (var kb in config.Knowledgebases)
{
    var qnaEndpoint = new QnAMakerEndpoint()
    {
        KnowledgeBaseId = kb.KbId,
        EndpointKey = kb.EndpointKey,
        Host = kb.Hostname,
    };

    var qnaMaker = new MultiturnQnAMaker(qnaEndpoint, _httpClient, telemetryClient: telemetryClient, logPersonalInformation: true);
    set.QnAServices.Add(kb.Id, qnaMaker);
}
```