**using** System.Collections.Generic;

**using** System.Net.Http;

**using** System.Threading.Tasks;

**using** APIConsume.Models;

**using** Newtonsoft.Json;

List<Reservation> reservationList = **new** List<Reservation>();

**using** (**var** httpClient = **new** HttpClient())

{

**using** (**var** response = **await** httpClient.GetAsync("https://localhost:44324/api/Reservation"))

    {

**string** apiResponse = **await** response.Content.ReadAsStringAsync();

        reservationList = JsonConvert.DeserializeObject<List<Reservation>>(apiResponse);

    }

}

**return** View(reservationList);

Reservation reservation = **new** Reservation();

**using** (**var** httpClient = **new** HttpClient())

{

**using** (**var** response =

**await** httpClient.GetAsync("https://localhost:44324/api/Reservation/" + id))

    {

**if** (response.StatusCode == System.Net.HttpStatusCode.OK)

          {

**string** apiResponse = **await** response.Content.ReadAsStringAsync();

               reservation = JsonConvert.DeserializeObject<Reservation>(apiResponse);

           }

**else**

              ViewBag.StatusCode = response.StatusCode;

     }

}

**return** View(reservation);

Reservation receivedReservation = **new** Reservation();

**using** (**var** httpClient = **new** HttpClient())

{

    StringContent content = **new** StringContent(JsonConvert.SerializeObject(reservation),

Encoding.UTF8, "application/json");

**using** (**var** response =

**await** httpClient.PostAsync("https://localhost:44324/api/Reservation", content))

{

**string** apiResponse = **await** response.Content.ReadAsStringAsync();

     receivedReservation = JsonConvert.DeserializeObject<Reservation>(apiResponse);

}

}

**return** View(receivedReservation);

**public** **class** Reservation

    {

**public** **int** Id { **get**; **set**; }

**public** **string** Name { **get**; **set**; }

**public** **string** StartLocation { **get**; **set**; }

**public** **string** EndLocation { **get**; **set**; }

    }

StringContent Content = **new** StringContent(

"[{ \"op\": \"replace\", \"path\": \"Name\", \"value\": \"" + reservation.Name + "\"},

{ \"op\": \"replace\", \"path\": \"StartLocation\", \"value\": \"" + reservation.StartLocation + "\"}]",

Encoding.UTF8, "application/json")

StringContent content = **new** StringContent(ConvertObjectToXMLString(reservation), Encoding.UTF8, "application/xml");