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API Code Samples Submit Works API Code Sample

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Author: SOCAN

API Code Samples

Works API

To submit a Works request, you must first have a Works file. You can create a file in English or French using the template located at <https://developer.socan.ca/documentation/Templates>. The API Specification document at <https://developer.socan.ca/documentation> will provide further details on all the requirements to submit a request.

Before you begin, you need to consider the following:

- The code sample describes how to create web requests using RestSharp visual studio extension (run 'Install-Package RestSharp' in NuGet PM to install).
- Ensure that Service Point Manager is set to return true for all certificates and its security protocol property is set to TLS12.

Below are the steps required to submit a Works API request:

1. Setup the request to use the URL corresponding to the Submit Works API request and ensure it is using SSL, TLS1.2, and a POST Method. You also must attach the API Key as a query string parameter.

```
string url = "https://api.socan.ca/sandbox/SubmitWork";
string apiKey = "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX";
string webMethod = "?apiKey=" + apiKey;
...
ServicePointManager.ServerCertificateValidationCallback = delegate { return true; };
ServicePointManager.SecurityProtocol = SecurityProtocolType.Tls12;
```

2. Attach File to request

```
string fileName = "MyWorks.xlsx";
string filePath = @"C:\Temp";
...
uploadRequest.AddFile("file", Path.Combine(filePath, fileName));
```

3. Attach OAuth Token to Request (For more information, refer to "OAuthAPICodesSamples.pdf" document)

```
string oAuthToken = GetOAuthToken();
string token = "Bearer " + oAuthToken;
request.AddDefaultHeader("Authorization", token);
```

4. Attach JSON to request

```
string workJSON =
"{\"MEMBER_NO\": \"9999999\", \"CONTACT_EMAIL\": \"contact1@test.ca\", \"CONTACT_NAME\": \"Name of Contact\", \"LANGUAGE\": \"E\" }";
...
uploadRequest.AddParameter("registration", workJSON, "application/json", ParameterType.RequestBody);
```

5. Update Request Header so request is Multipart.

```
// if no files, use: uploadRequest.AddHeader("Content-Type", "multipart/form-data");
uploadRequest.AlwaysMultipartFormData = true;
```

6. Submit Request and Process response.

```
var theResponse = request.Execute(uploadRequest);  
response = theResponse.Content;
```

