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# spGengo Quick guide

myGengo's human translation within SharePoint 2007 sites

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# Introduction

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spGengo is a SharePoint 2007 plugin that allows to order and receive myGengo's human translation easily within SharePoint Sites.

spGengo integrates seamlessly within SharePoint pages in the form of a web part. spGengo is easy to install and use.

This document provides both a guide for administrators and a guide for final users of spGengo plugin. Administrators are those people who install and configure the spGengo plugin in a SharePoint farm. Final users are those who use SharePoint sites and consume the spGengo web part for ordering and receiving translations.

# Administrator Guide

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The following steps indicate how to set up spGengo plugin on the SharePoint server. It is assumed that you have the spGengo full package with the following structure:

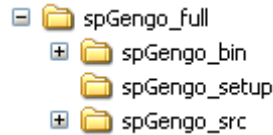


Figure 1: spGengo full package structure.

## Installation

### 1. Install base assemblies and web part resources.

Run spGengo\_setup/setup.exe. This installer will copy the required web part resources to your machine. These resources are copied to C:\Program Files\Common Files\Microsoft Shared\web server extensions\wpresources. Also, three assemblies are added to the GAC: MiguelRa.MyGengoClient, MiguelRa.Util, and Newtonsoft.Json.Net20.

### 2. Install spGengo SharePoint plugin.

Run spGengo\_setup/wpinstall.bat. This batch file will install the spGengo solution on your SharePoint farm.

### 3. Deploy the spGengo solution to a site collection.

Go to SharePoint Central Administration Site > Operations tab. Under Global Configuration section, click Solution management. There you will see the spGengo.plugin.wsp solution listed together with other SharePoint solutions. Click on it. Then select Deploy solution. On the Deploy solution page, select the site collection for which you want to deploy the spGengo plugin, and click OK. After this step, a feature called spGengo Plugin will be installed on the selected site collection.

### 4. Activate feature spGengo Plugin in the site collection.

spGengo Plugin feature appears deactivated the first time you deploy it to a site collection, so you must activate it. Go the site collection's feature gallery. There you will see the spGengo Plugin feature. Activate it if necessary. After this step, a web part called spGengo web part will be available for adding it to your pages. But first, you must add some settings to the web.config file of the site collection.

### 5. Add spGengo settings to the web.config file in target site collection.

For target site collection, copy the xml snippet located in spGengo\_bin/spGengo\_WebConfig/web.config, to the <appsettings> section of its web.config file.

## 6. Add the spGengo web part to your page.

spGengo web part is designed to be added in the right zone of web part pages. In your web browser, go to a site to which you want to add spGengo web part, select Site Actions > Edit Page. In the Right Zone, select Add a Web Part. Go to Miscellaneous category, check spGengo web part and click Add.

## 7. Adjust web part layout.

spGengo web part is designed to be viewed without the default decoration that SharePoint provides around web parts. The recommended way for visualizing spGengo web part is to remove the default title and border. For this, click Edit on the upper right corner of the web part frame, and then click Modify Shared Web Part. In the property panel that appears to the right, select None in the Chrome Type dropdown list. Click Ok.

## 8. Commit your change.

Click Publish or Exit Edit Mode.

Now spGengo web part is available on your page! You can add the spGengo web part to any page of your site collection. If you want to use the plugin on several site collections, you must follow steps from 3 to 8 for each specific site collection.

## Configuration

Administrators can configure the spGengo plugin editing the corresponding settings in web.config files of site collections. To change some setting, go to the web.config file of a site collection where spGengo is activated, and look up for the spGengo Settings section (search for "SPGENGO SETTINGS" string). There you will find several settings you can modify. These settings are:

Setting	Description	Notes
<code>spGengo_apiUrl</code>	API Url to invoke. Can be set to sandbox or production API.	
<code>spGengo_responseFormat</code>	What format of response the plugin will request. Values: xml, json.	Do not change this setting. This version of spGengo only works with json format.
<code>spGengo_useProxy</code>	Boolean value indicating if calls to the API will pass through a proxy. Values: true, false.	
<code>spGengo_proxyHost</code>	Proxy host. Only has effect if <code>spGengo_useProxy</code> = true.	
<code>spGengo_proxyPort</code>	Proxy port. Only has effect if <code>spGengo_useProxy</code> = true.	
<code>spGengo_proxyUsername</code>	Proxy user name. Only has effect if <code>spGengo_useProxy</code> = true.	
<code>spGengo_proxyPassword</code>	Proxy password Only has effect if <code>spGengo_useProxy</code> =	

	true.	
spGengo_jobCount	Number of jobs to show in the webpart's Overview tab. For example, if 3, spGengo web part will display the latest three jobs of current user.	<ul style="list-style-type: none"> <li>- Only 7 jobs can be displayed with this version of spGengo.</li> <li>- These setting impacts the performance of the spGengo web part when refreshing jobs. Must be tested in slow connections. This is because for each job, a call to Translate/Job/{id} (GET) is required.</li> </ul>
spGengo_debug	Boolean value indicating if error response must include detailed information about the exception. Values: true, false.	This setting is useful for debugging. When set to true, spGengo web part will display a details link near the short error messages.
spGengo_delay	This is for testing purposes. If spGengo is in offline mode, this value indicates the number of milliseconds after which responses will be returned. (more about offline mode in <b>Running in offline mode</b> )	

The following figure shows a sample spGengo settings block inside the appSettings section in a web.config file.

```
<appSettings>
  <add key="FeedCacheTime" value="300" />
  <add key="FeedPageUrl" value="/_layouts/feed.aspx?" />
  <add key="FeedXsl1" value="/Style Library/Xsl Style Sheets/Rss.xsl" />
  <add key="ReportViewerMessages" value="Microsoft.SharePoint.Portal.Analyt:
  <!-- BEGIN SPGENGO SETTINGS-->
  <add key="spGengo_apiUrl" value="http://api.sandbox.mvqengo.com/v1/" />
  <add key="spGengo_responseFormat" value="json" />
  <add key="spGengo_useProxy" value="true" />
  <add key="spGengo_proxyHost" value="10.8.0.35" />
  <add key="spGengo_proxyPort" value="3128" />
  <add key="spGengo_proxyUsername" value="myProxyUser" />
  <add key="spGengo_proxyPassword" value="myProxyPassword" />
  <add key="spGengo_jobCount" value="5" />
  <add key="spGengo_debug" value="false" />
  <!-- test settings -->
  <add key="spGengo_delay" value="2000" />
  <!-- delay (milliseconds)-->
  <!-- END SPGENGO SETTINGS-->
</appSettings>
```

Figure 2: spGengo settings block.

## Uninstallation

1. Remove spGengo web part from your pages.
2. Remove spGengo settings block from web.config files.

### 3. Uninstall spGengo SharePoint solution.

Run the batch file called wpuninstall.bat, located in spGengo\_setup/ folder. This will uninstall the global SharePoint solution from your farm, removing spGengo feature and spGengo web part from site galleries.

### 4. Delete web part's resources and base assemblies.

Go to Control Panel > Add/Remove Programs. Look for spGengo SharePoint Plugin and click Remove. This will remove the web part's resources from C:\Program Files\Common Files\Microsoft Shared\web server extensions\wpresources. Also, it will uninstall from GAC the three assemblies MiguelRa.MyGengoClient, MiguelRa.Util, and Newtonsoft.Json.Net20.

## Running in offline mode

spGengo plugin can run in offline mode. This feature allows to test spGengo plugin without connection to myGengo Translate API. To run in offline mode, you must change the URL of the ASP components that are called by the client side of spGengo. This is done by opening the file C:\Program Files\Common Files\Microsoft Shared\web server extensions\wpresources\MiguelRa.spGengo\spGengo\js\custom\_api.js, and changing the lines:

```
MyGengoClient.baseUrl = URL_BASE + 'asp/';    // invoking real API
//MyGengoClient.baseUrl = URL_BASE + 'asp_mock/'; // faking API
responses
```

to this:

```
//MyGengoClient.baseUrl = URL_BASE + 'asp/';    // invoking real API
MyGengoClient.baseUrl = URL_BASE + 'asp_mock/'; // faking API
responses
```

After this change, client javascript will call ASP componentes located in C:\Program Files\Common Files\Microsoft Shared\web server extensions\wpresources\MiguelRa.spGengo\spGengo\asp\_mock\, instead of those located in C:\Program Files\Common Files\Microsoft Shared\web server extensions\wpresources\MiguelRa.spGengo\spGengo\asp\. These mock components returns faked, but valid responses, so spGengo plugin will function correctly without invoking the real API.

# User Guide

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This section explains how final users can interact with the plugin within SharePoint pages.

## Quick overview

Final users interact with spGengo web part. spGengo web part allows users to view their credits on their myGengo account, order translations, list their jobs, and approve them.

spGengo web part seamlessly extends the SharePoint page where it lives. It displays dialog windows without refreshing the page.

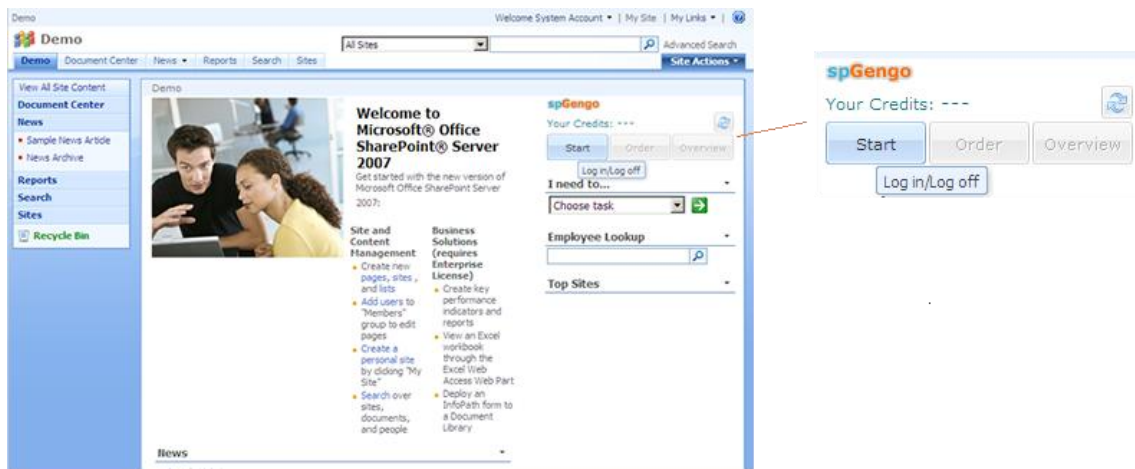
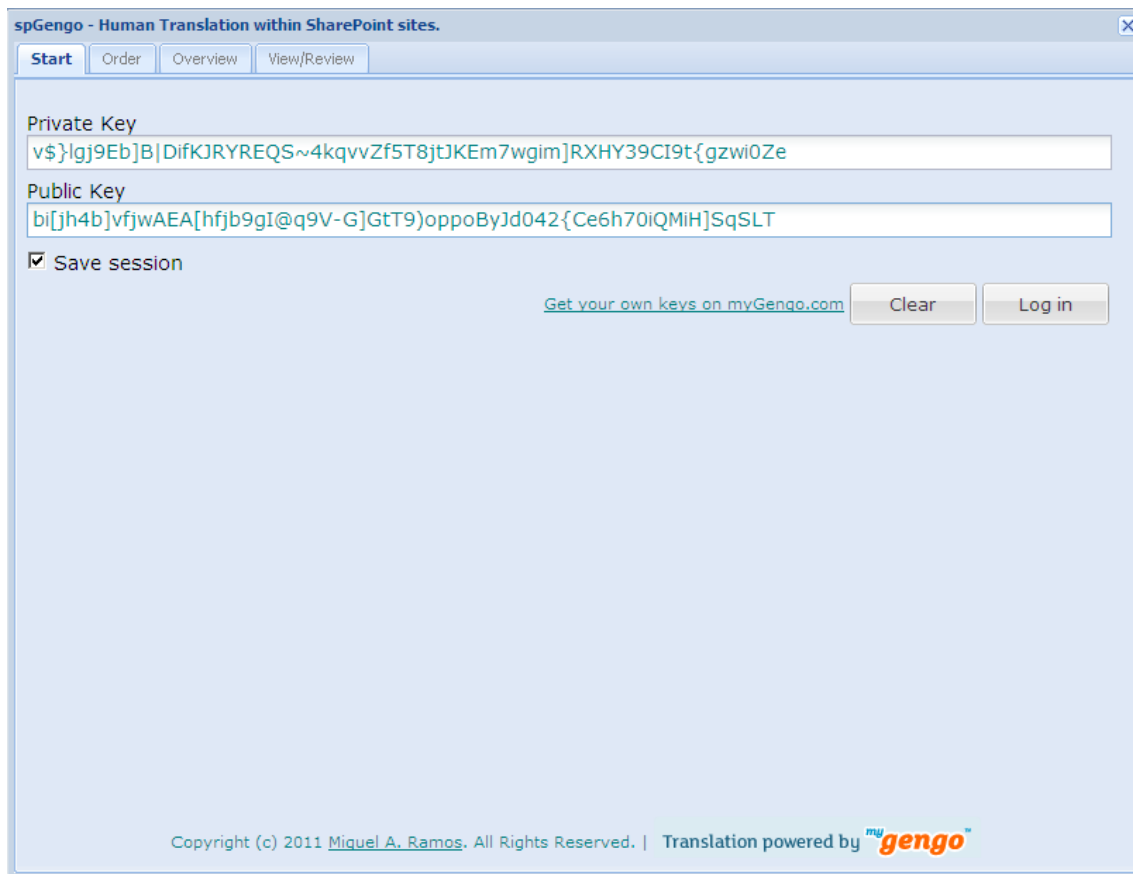


Figure 3: spGengo web part in a SharePoint page.

Figure 2 shows the home of spGengo web part. In this first screen you can see your current credits on myGengo.com, refresh the information whenever you want, and navigate directly to Start, Order, and Overview tabs.

## Log in

When you click the Start button you will be shown the Start tab. Here you can enter your API keys and log in to get your current credits and start ordering jobs. If you check the option Save session, your keys are saved in your machine so the next time you open the page you get logged in automatically.



The screenshot shows a web application window titled "spGengo - Human Translation within SharePoint sites." with a close button in the top right corner. Below the title bar is a tabbed interface with four tabs: "Start" (selected), "Order", "Overview", and "View/Review". The "Start" tab contains the following elements:

- A label "Private Key" followed by a text input field containing the value: `v$}lgj9Eb]B|DifKJRYREQS~4kqvZf5T8jtJKEm7wgim]RXHY39CI9t{gzwi0Ze`
- A label "Public Key" followed by a text input field containing the value: `bi[jh4b]vfjwAEA[hfjb9gI@q9V-G]GtT9)oppoByJd042{Ce6h70iQMIH]SqSLT`
- A checkbox labeled "Save session" which is checked.
- A link: [Get your own keys on myGengo.com](#)
- Two buttons: "Clear" and "Log in".

At the bottom of the window, there is a footer that reads: "Copyright (c) 2011 [Miguel A. Ramos](#). All Rights Reserved. | Translation powered by **mygengo**"

Figure 4: Start tab.



## Order translation

When you click the Order button you will be shown the Order tab. Here you can create a new translation job and send it to myGengo.com. The total words and price labels show you how much the order will cost.

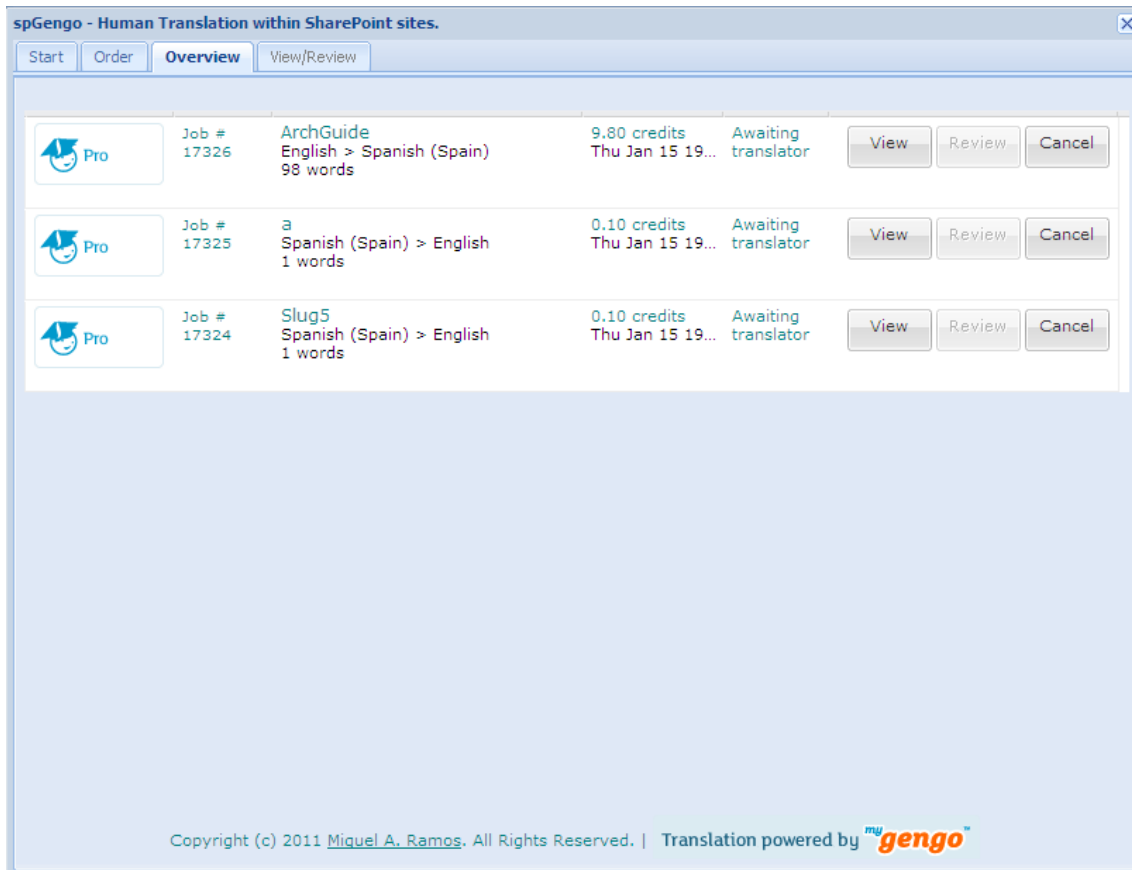
To submit the order, you click the Order button. This action sends your job to myGengo.com. They will deduct order's price from your account. spGengo web part will refresh your credits and your job list.

The screenshot shows the 'spGengo - Human Translation within SharePoint sites.' window with the 'Order' tab selected. The interface includes a 'Your Text:' area with a placeholder 'This english text will be translated by myGengo.com...'. To the right, there is a 'Title:' field with 'My translation job', 'Translate From:' set to 'English', and 'Translate To:' set to 'Spanish (Spain)'. Below these are four buttons for translation levels: 'Standard \$0.05/word', 'Pro \$0.10/word' (which is highlighted), 'Ultra \$0.20/word', and 'Machine Free!'. A link 'What do the different levels (Standard, Pro, Ultra) mean?' is provided. An optional comment field contains 'Please hurry up!'. At the bottom right, it shows 'Total (9 words)' and '\$0.90' next to an 'Order' button. The footer contains copyright information and the 'spGengo' logo.

Figure 5: Order tab.

## View your jobs

When you click the Overview button you will be shown the Overview tab. Here you can view your last ordered jobs. Some details are shown for each job. Depending on its status, a job can be viewed, cancelled, or approved, using the View, Cancel, and Approve buttons, respectively.



The screenshot shows the 'spGengo - Human Translation within SharePoint sites.' interface. It features a tabbed navigation bar with 'Start', 'Order', 'Overview' (selected), and 'View/Review'. Below the tabs is a table listing three translation jobs. Each job row includes a 'Pro' icon, job number, source/target language pair, word count, credits, status, and action buttons (View, Review, Cancel). The footer contains copyright information for Miguel A. Ramos and the 'spGengo' logo.

Icon	Job #	Project Name	Language Pair	Word Count	Credits	Status	Buttons
	17326	ArchGuide	English > Spanish (Spain)	98 words	9.80 credits	Awaiting translator	View Review Cancel
	17325	a	Spanish (Spain) > English	1 words	0.10 credits	Awaiting translator	View Review Cancel
	17324	Slug5	Spanish (Spain) > English	1 words	0.10 credits	Awaiting translator	View Review Cancel

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Figure 6: Overview tab.

## View job

When you click the View button on a job, you will be shown the job's full details, including your original text and a translation from myGengo. This translation will be a machine pre-translation if your job is not yet finished and approved, or the final human translation if your job's status is Approved.

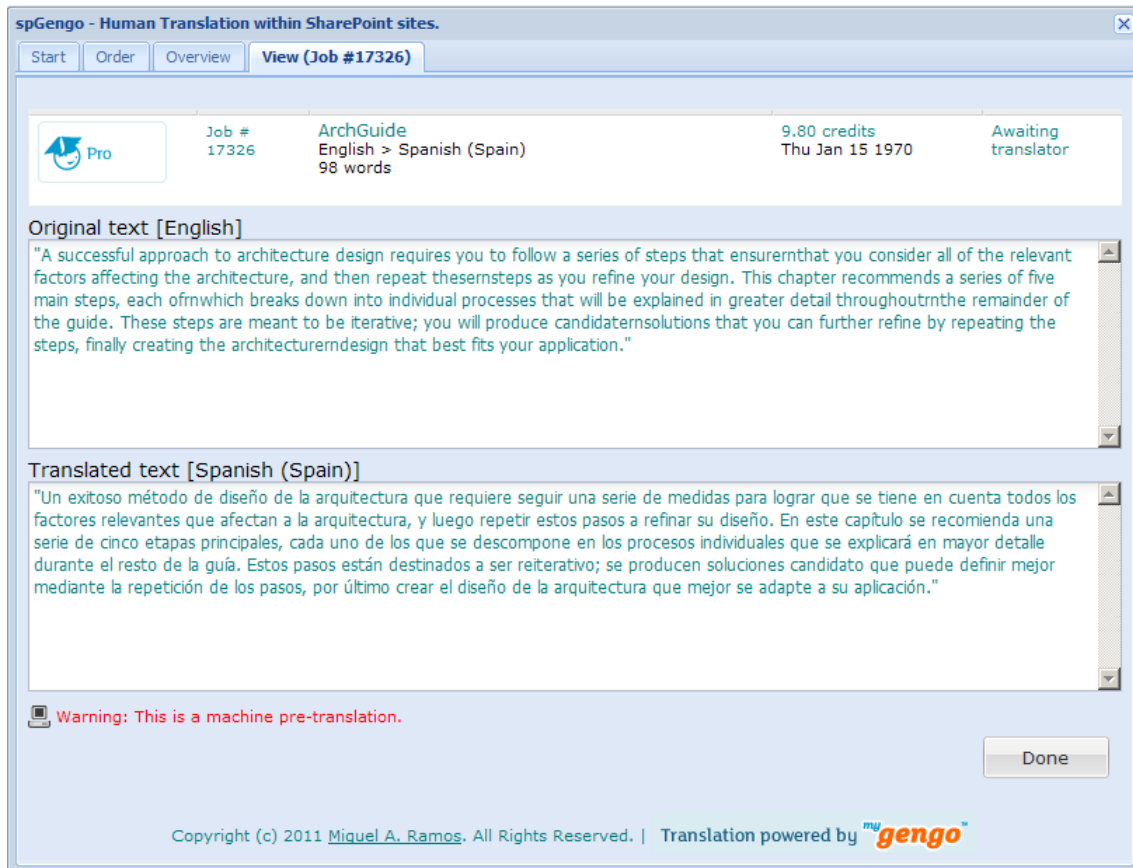


Figure 7: View tab.

## Review/Approve job

When you click the Review button on a reviewable job, you will be shown full job details, including your original text and the translation made by myGengo in form of an image (you cannot copy the text, only read it). After revising the translation you can Approve it, reject it, or request corrections. spGengo web part only supports the Approve action. If you approve the translation, the translation text will be displayed where the image was. For reject or request corrections you must follow the links near the Approve button. Optionally, when you approve, you can rate the translation in a scale from 1 to 5.

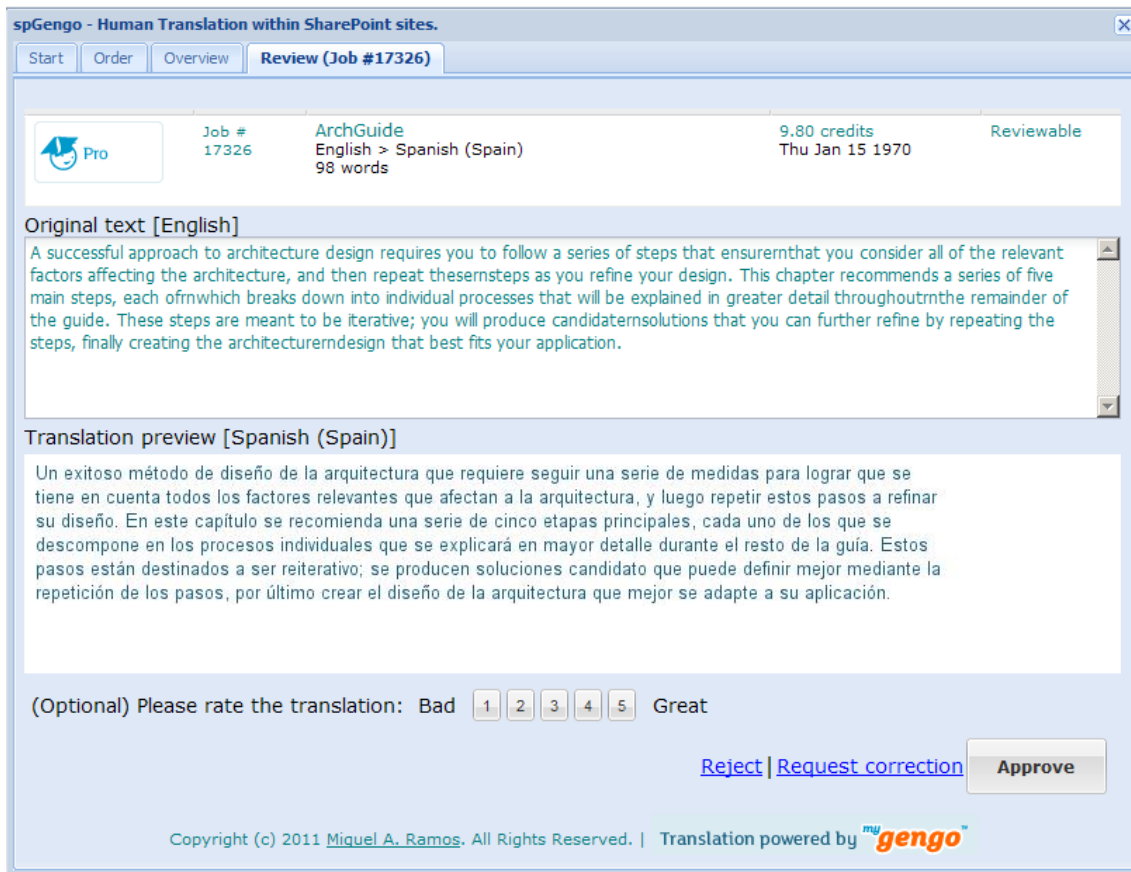


Figure 8: Reviewing a job. Before approving, translation displays as image.



Figure 9: Reviewing a job. After approving, translation displays as text that you can copy.

## Cancel job

When you click the Cancel button on a job that was awaiting translator, the job gets cancelled and you are refund the total price of your order. spGengo web part refreshes your credits and your job list.

## Log off

When you want to close your connection to myGengo.com, go to Start tab and click the Log off button. This action will clear your information on spGengo web part and will reset it.

# Appendix

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## Manual installation

If provided installers don't work in your environment, you can still install spGengo plugin if you follow these steps.

### 1. Install required assemblies on GAC.

Install MiguelRa.MyGengoClient.dll, MiguelRa.Util.dll, and Newtonsoft.Json.Net20.dll on the GAC. These assemblies are located in spGengo\_bin/spGengo\_MyGengoClient/ folder.

### 2. Copy web part's resources to SharePoint's global wpresources folder.

Copy MiguelRa.spGengo folder, located in spGengo\_bin /spGengo\_WebPart\_resources/, to C:\Program Files\Common Files\Microsoft Shared\web server extensions\wpresources.

### 3. Install spGengo SharePoint solution.

Execute the batch file called wpinstall.bat, located in spGengo\_bin /spGengo\_WebPart/ folder. This will install a global SharePoint solution in your farm.

\* From here, you can follow the steps 3-8 described in **Installation** topic.