Requirements

Create an application that takes a company’s legal name and their HST name, and check it against the Canadian Governments website. If it is correct then we take the displayed page and save it as a PDF. Otherwise it will find the reason and create an error report for it.

This will be created in two main parts, an API and a client. On top of these two there will also be an authentication layer for accessing the API

API

* The API will be created using a WCF solution created in Visual Studio
* It will have the web scraper on it for accessing the CRA Website
* It will take individual requests
* It will also take a list of requests and work through the mall in order
* It will return a pdf with the certificate, and it will be saved in the database
* If a list is given it will return a similar list, noting whether or not each record was successful

Client

* The Client will be a Windows Form Solution creating in visual studio
* It will have a main interface for choosing what the user wants to do.
* It will allow the user to choose to search a single record or submit a list
* It will ensure the user has proper security authorization before submitting
* Given a list of requests it will make a report with a full list, and allow the user to drill in to each request individually and see the PDF, or reason for failure.
* Will allow users to register for security access

Security

* Keys will be available in our client
* Keys will also be available for Jerry to give to potential clients to integrate this into their own systems