This Case Study is designed to give you a small taste of the type of work and the technologies we use on a daily basis.  I understand that you do not have a lot of experience with Visual Studio or coded with Asp.Net/MVC extensively, but this study will give you some exposure to that.  Also, the Case Study requires you to implement basic functionality using an API and server-side impression.

**Here are the Details of the Case Study:**

This case study requires you to design the homepage for a website that provides content related to File Conversion and basic converting functionality, using Visual Studio 2015 Community Edition (free download).  The language will be C# using ASP.net MVC on the server-side and HTML, CSS, JavaScript, and images on the client.

**Part 1: Website’s Homepage**

The goal of this section is to produce a single page website. An example of one of our Content site’s homepage can be found here: <https://allfilesconverter.com/>

* Homepage must be responsive for most devices and browsers (you may use Bootstrap, and jQuery if desired).
* You may use filler text, ads, links, menus and images of your choosing.
* You’re only required to produce a simple page of a larger website. You do not need to create other pages for this website, or worry about SEO.

**Part 2: Functionality**

Part 2 or this case study requires you to add basic file conversion functionality to your homepage (for only two file types), using the free version of the ConvertAPI (you may sign up for an account here: <https://www.convertapi.com/>).

The following functionality needs to be demonstrated:

1)      This requires two drop downs, to allow the user to select the “from” and “to” file types. You only need to support conversions from .docx to.pdf, and .pdf to .docx. Also, this requires an “upload file” field, which allows the user to select the file to be converted. These must be added to your homepage, but the design of the user selection is up to you.  Focus on cleanliness and usability.

2)      Implement input validation, and display a friendly client-side message to the user if:

* The user does not select a “from” and “to” file types.
* The “from” and “to” file types are the same.
* The file type is unsupported (not .docx or .pdf)

3)      Convert the uploaded file (server-side), **send a server-side impression** (see below) when the file is converted, and return the converted file to the user.

Here is the impression you will need to fire server side when the file is successfully converted.

1)   Impression Web Calls are fired from the server on specific actions to track user behavior. The URL is as follow: [http://imp.emailaccessonline.com/impression.do?event=CaseStudyFileConverted&source= RobertCaseStudy&traffic\_source=RobertCaseStudy](http://imp.emailaccessonline.com/impression.do?event=CaseStudyFileConverted&source=%20RobertCaseStudy&traffic_source=RobertCaseStudy)

Please send us the complete Visual Studio solution of your project when you are finished, including any references. If you have any questions concerning the requirements of the Case Study or terminology, please don’t hesitate to ask.