**Website Technical Guide**

**For**

**“Reaching For English”**

Version 1.0

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# Environment

* Visual Studio
* C# and ASP.NET
* HTML and CSS

# ASP Project Description

Descriptions of the files used in the ASP.NET web project:

## Login.aspx/.cs

The ‘Login’ page is the base page for the site. This is where the admin credentials are input in order to gain access to adding and deleting content. It provides a secure method of logging in through salting and hashing and storing the credentials in the database. Also, on this page there is a button to access the ‘File Viewer’ page.

## FileViewer.aspx/.cs

The ‘File Viewer’ page has a main purpose and a secondary purpose. The main purpose is to display all the lessons in the database in a table. Here, the filename (mp3 or pdf) is a hyperlink to the actual file. This allows for the viewing/listening, saving, and/or downloading of the file that is used in the lesson(s). The secondary purpose is to keep a link to a survey. A survey hyperlink resides here for users to be able to click the link and take a survey provided by the admin. If logged in, the admin can change the link through an editing section on the ‘File Viewer’ page.

## ManagaAdd.aspx/.cs

The ‘ManageAdd’ page is used for adding content in to the database. It performs SQL queries to automatically populate droplists in order for the admin to easily perform add operations and to more easily keep the database in a valid state. It also provides a view of the ‘Lessons’ table so that the admin can see what is already residing in the database in terms of lessons. Countries, topics, country\_grades, country\_grade\_topics, and lessons are all able to be added to the database through this page.

## ManageDelete.aspx/.cs

The ‘ManageDelete’ page is used for deleting and editing content in the database. It performs SQL queries to populate grid views with buttons for easy visibility and easy modification in terms of deleting and editing. Each table that can have content removed or edited is displayed in its own grid view. Along each row is a delete button and a possible edit button. Deleting can only occur on data that has no other data associated with it in the database (such as a topic is associated in the Country\_Grade\_Topic\_Relation table). Editing can only occur on some table and on certain elements of that table. Lower level data can be edited such as Country name or topic name. For lessons, only the ‘lid’ and the ‘text’ fields can be edited. This ensures database consistency.

# Implementation

## Visual Studio

To implement the project in Visual Studio, just save the files in a directory and select the solution file. This will create and open up the project in Visual Studio on the host computer.

## Publishing

To publish the project to be viewed from the internet you must first purchase a SmarterAsp.net account. Once purchased, go to the control panel. Then click on Show FTP Info. You will need the Server IP, The Username, and the Password. Next you will need to install the application called FileZillaClient. You will use this to connect directly to your smarterASP.net account. This makes it easier to upload to the web. Once installed copy and paste in the information that you got from your account. In the host spot put in the serverIP, then hit Quick connect. Once connected you will see your file system on the right (which is the file system for smarterASP). Then make a new folder and name it what you want. Once made drag and drop in your visual studio project into that folder for upload. You will then be given a temp link that will take you to the website. [your\_username\_001site1.htempurl.com](http://lambejor-001-site1.htempurl.com/)/your\_project\_name. This is an example of what It might look like, to find it just go back to the area where you got the information to connect to the website and it will be in there. Once you are done with this, just repeat to upload new updates to the website whenever you like.