**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

\*how to publish to smarterasp.net\*