

Programming Question: Flag Quiz Application

Specification:

Create a WPF application that quizzes users on their knowledge of national flags. The application should display a series of flags in a random order (with no repeats). As each flag is displayed, the user should be able to select the flag's country from a drop-down list and submit an answer. The application should keep a running tally of how the user has performed. The flag images are available for download under this assignment instruction.

Due to the flag image needs to change from country to country, its *Source* property needs to be set in your code. In your XAML, you can set a string file path to be an Image's Source, but the Source property actually takes an *ImageSource* object as its value. When your XAML document is compiled, the string file path is converted. To set an Image's Source in your code, you must specify an *ImageSource* object. To create an *ImageSource* object from a string file path, you can use the code as such:

```
ImageSourceConverter converter = new ImageSourceConverter();  
ImageSource source = (ImageSource)converter.ConvertFromString(path);
```

where *path* is the string file path.

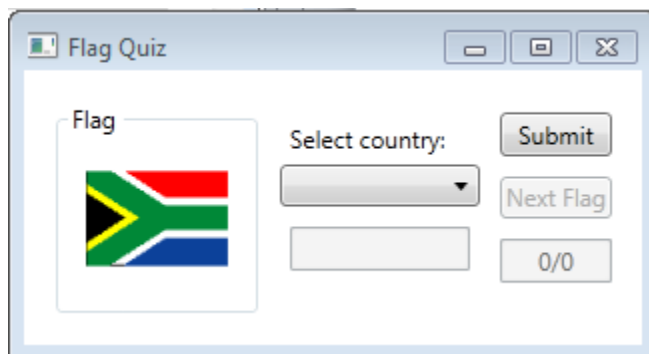


Figure 1 Flag Quiz UI

Zip your solution folder and submit it in Eagle online for grading.