There are 16 radio buttons that are all connected to each other, each with their own corresponding text box which can be used to only type in a number, as typing in anything else on the keyboard will result in nothing. There is a separate box which contains 5 radio buttons connected to each other, and is labeled “Filter”, by default it is set to all, and selecting one of the other 4 options will change which of the initial 16 radio buttons become visible. There is also an image box, which will expand if the user hovers over it, and will display a different image depending on which of the 16 radio buttons are selected. The right half of the screen contains a box that displays a wikipedia page corresponding to the name of the selected radio button, and the label of the box will change to the url of the website. Hovering over any link, it will say “Professor Schuh For President!”, if links are properly disabled. Going back to the text boxes which can only have numbers typed into them, if hovering over them, a message will display that says: “Which # President?”. This is part of a game, and corresponds to the progress bar at the bottom, and the exit button which is currently disabled. Once you begin typing, the progress bar will go down, and the user must type in what number the president is corresponding to the specific text box and radio button, using information gathered from the wikipedia page. Note that the user can either type the correct answer as “40”, or since the text boxes all have a 0 already in them, typing “040” will still result in a correct answer, and a user can press tab to move to the next box. The user will not be able to leave the box if the answer is incorrect, nor will they be able to use any other functionality on the form until the correct answer is placed. If time runs out, then the bar resets and all answers return back to 0. If the user gets all answers correct before time runs out, then the timer stops, the exit button re-enables, and a video plays of fourth of july fireworks.

The way that the program works makes me believe that the pseudo code should look something like this:

private void BenjaminHarrisonRadioButton\_\_CheckedChanged(object sender, EventArgs e){

if(rb.Checked = true){

imageBox = BenjaminHarrison.png;

urlBox = wikipedia.com/BenjaminHarrison;}

}

And each of the main 16 radio buttons would look like this, with the other ones looking something like:

private void DemocratRadioButton\_\_CheckedChanged(object sender, EventArgs e){

if(rb.Checked = true){

benjaminHarrisonRadioButton.visible = false; (and all other ones that should be disabled)

franklinDRooseveltRadioButton.enabled = true;}

}

The text boxes would most likely look something like this:

private void BenjaminHarrisonNumBox\_\_KeyPress(object sender, EventArgs e){

e.Handled = !Char.IsDigit(e.KeyChar) && !Char.IsControl(e.KeyChar);

timer.Start();

}

private void IncBenjaminHarrisonNumBox\_\_Validation(object sender, CancelEventArgs e){

if(benjaminHarrisonNumBox == “32”){

this.errorProvider.SetError(tb, null);

e.Cancel = false;

tb.Tag = true;

}

else if(benjaminHarrisonNumBox !==”32”){

this.errorProvider.SetError(tb, “Incorrect Number.”);

e.Cancel = true;

tb.Tag = false;

}

AllCorrect();

}

private void AllCorrect(){

//checks if all president text boxes are their correct number, only doing one for this

if(banjeminHarrisonNumBox == “32”){

timer.Stop();

urlBox = “youtube video”;

exitButton.Enabled = true;

}

else(){}

}

private void ExitButton\_\_Click(object sender, EventArgs e){

this.Close();

}

And that, from what I gathered, is the majority of the important code.