// Constants

string imgLink = "https://people.rit.edu/dxsigm/";

string webLink = "https://en.wikipedia.org/wiki/";

// Lists

List<RadioButton> presidentButtonList;

List<RadioButton> filterButtonList;

List<TextBox> textBoxList;

// ErrorProvider

ErrorProvider errorProvider;

// Form Initialization

InitializeComponent();

CreateLists();

ConfigureRegistrySettings();

SetInitialValues();

WireEventHandlers();

// Event Handlers

void Timer\_\_Tick(sender, e):

DecrementProgressBar();

if (ProgressBarIsZero()):

StopTimer();

ResetProgressBar();

ResetTextBoxValues();

void PresidentButtonList\_\_CheckedChanged(sender, e):

UpdatePresidentDetails();

void FilterButtonList\_\_CheckedChanged(sender, e):

ApplyFilter();

void WebBrowser1\_\_DocumentCompleted(sender, e):

AttachMouseOverAndMouseLeaveEvents();

void TextBox\_KeyPress(sender, e):

AllowDigitInputOnly();

void TextBox\_TextChanged(sender, e):

StartTimer();

ValidateTextBoxValue();

ValidateAll();

void PictureBox\_\_MouseOver(sender, e):

IncreasePictureBoxSize();

void PictureBox\_\_MouseLeave(sender, e):

DecreasePictureBoxSize();

void TextBox\_\_MouseOver(sender, e):

ShowToolTip();

void webLink\_\_MouseOver(sender, e):

ShowToolTipWithText();

void webLink\_\_MouseLeave(sender, e):

HideToolTip();

void ExitButton\_\_Click(sender, e):

CloseForm();

// Helper Functions

InitializeComponent():

// Initialize form components and controls

CreateLists():

// Initialize lists for buttons, textboxes, and error provider

ConfigureRegistrySettings():

// Configure registry settings for Internet Explorer compatibility

SetInitialValues():

// Set initial values for various controls and components

WireEventHandlers():

// Attach event handlers for buttons, textboxes, web browser, etc.

DecrementProgressBar():

// Decrease the value of the progress bar

ProgressBarIsZero():

// Check if the progress bar value is zero

StopTimer():

// Stop the timer

ResetProgressBar():

// Reset the progress bar value

ResetTextBoxValues():

// Reset the values of all textboxes to "0"

UpdatePresidentDetails():

// Update president details based on the selected radio button

ApplyFilter():

// Apply filter based on the selected filter radio button

AttachMouseOverAndMouseLeaveEvents():

// Attach mouseover and mouseleave events to HTML elements in the web browser

AllowDigitInputOnly():

// Allow only digit input in textboxes

StartTimer():

// Start the timer

ValidateTextBoxValue():

// Validate the value of a single textbox

ValidateAll():

// Validate the values of all textboxes

IncreasePictureBoxSize():

// Increase the size of the picture box

DecreasePictureBoxSize():

// Decrease the size of the picture box

ShowToolTip():

// Show tooltip for textboxes

ShowToolTipWithText():

// Show tooltip with specific text for HTML elements

HideToolTip():

// Hide tooltip

CloseForm():

// Close and dispose the form