

DOWNLOAD LINKS

Visual Studio 2019

<https://visualstudio.microsoft.com/vs/>

PowerShell - VS 2019

<https://marketplace.visualstudio.com/items?itemName=ms-vscode.PowerShell>

RSAT

<https://www.microsoft.com/en-au/download/details.aspx?id=45520>

VNC Server

<https://www.realvnc.com/en/connect/download/vnc/>

VNC Viewer

<https://www.realvnc.com/en/connect/download/viewer/>

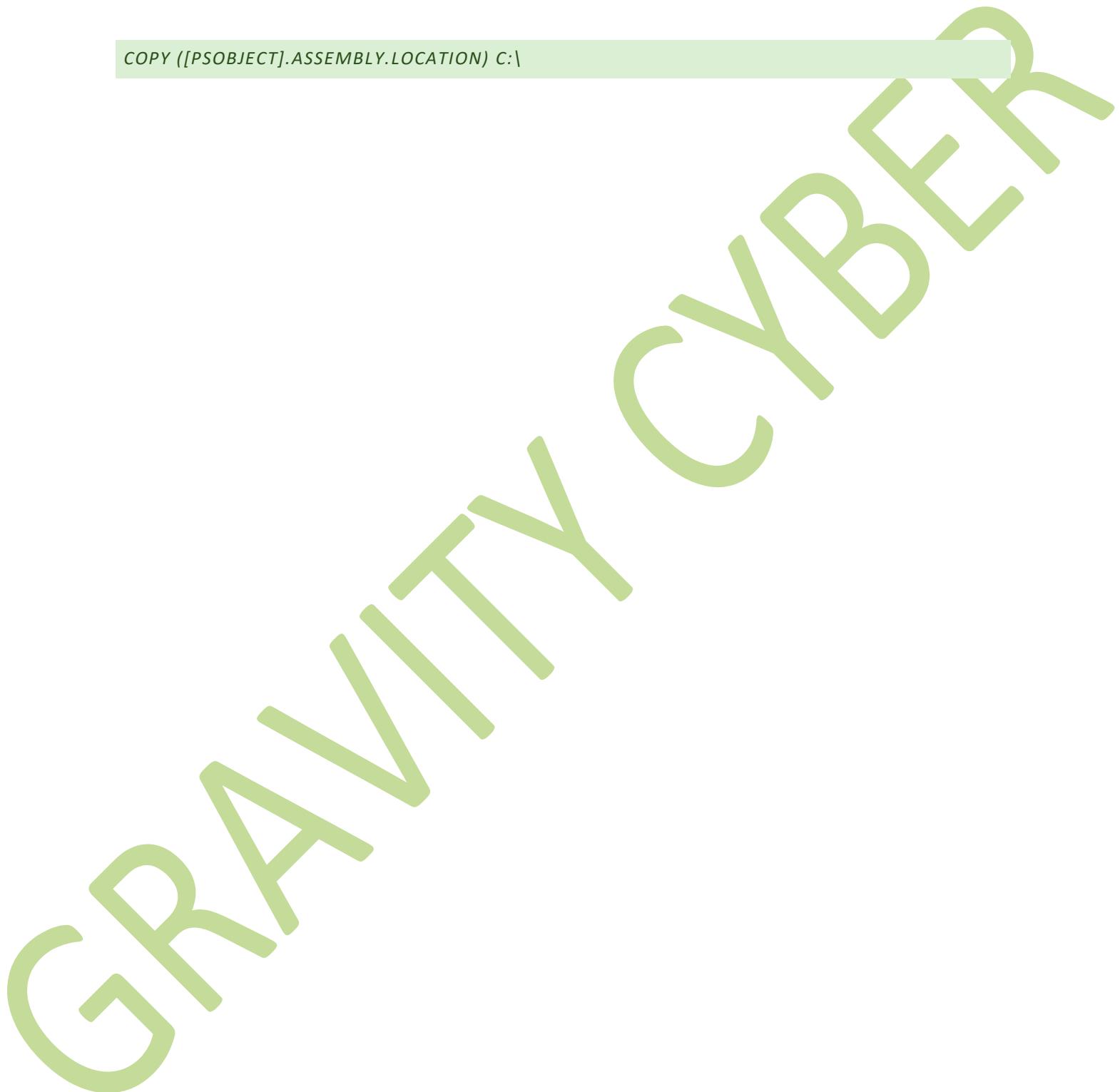
VNC try "Create account to set trial period of 30 days"

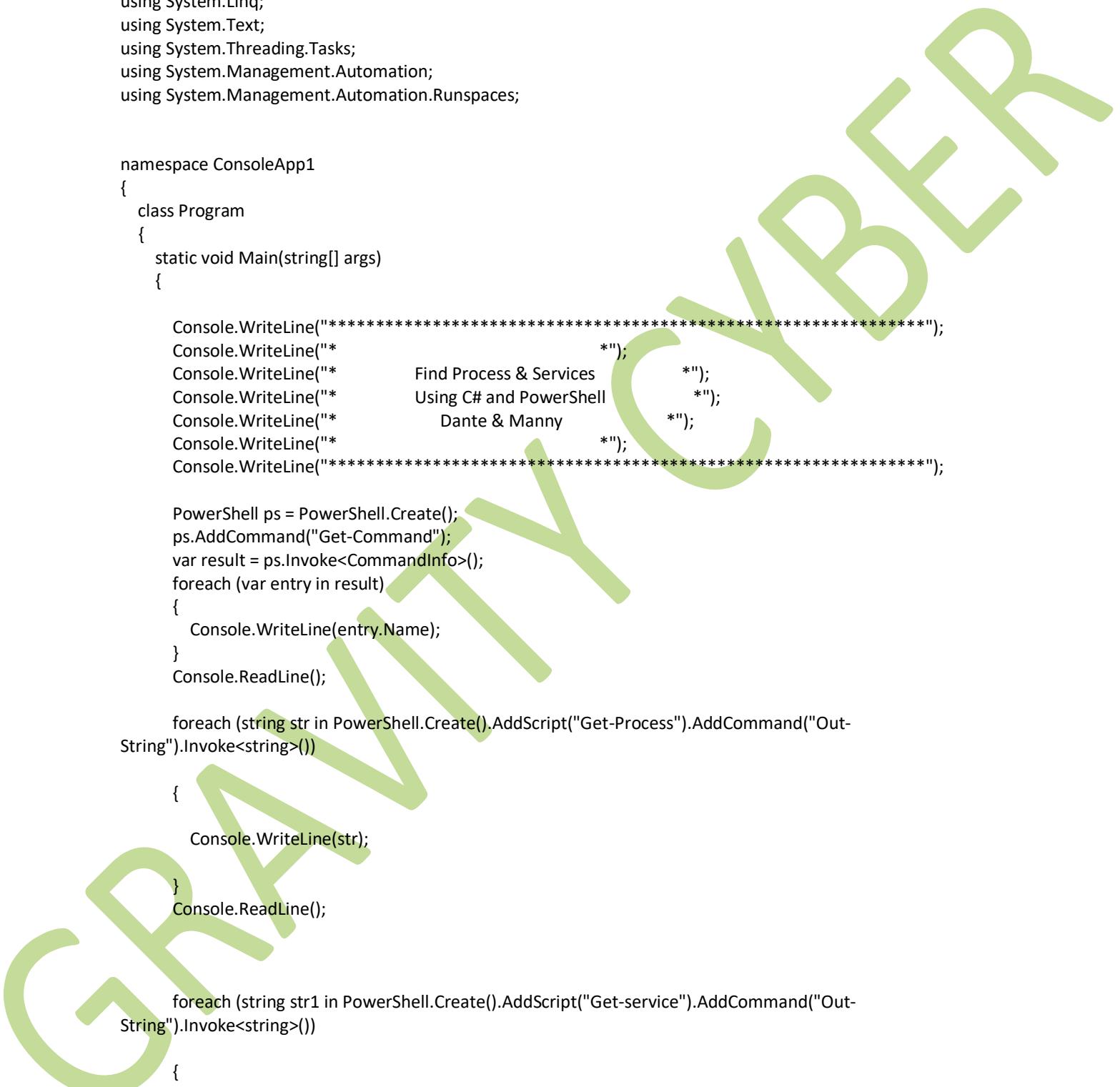
<https://www.realvnc.com/en/connect/trial/>

** kindly note these links may change in future with change in technology or updates in current versions.

*** Use PowerShell to Copy the Library to C Drive and then manually add the Library in your reference manager in Visual Studio*

```
COPY ([PSOBJECT].ASSEMBLY.LOCATION) C:\
```





```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Management.Automation;
using System.Management.Automation.Runspaces;

namespace ConsoleApp1
{
    class Program
    {
        static void Main(string[] args)
        {

            Console.WriteLine("*****");
            Console.WriteLine("*      Find Process & Services      *");
            Console.WriteLine("*      Using C# and PowerShell      *");
            Console.WriteLine("*      Dante & Manny             *");
            Console.WriteLine("*");
            Console.WriteLine("*****");

            PowerShell ps = PowerShell.Create();
            ps.AddCommand("Get-Command");
            var result = ps.Invoke<CommandInfo>();
            foreach (var entry in result)
            {
                Console.WriteLine(entry.Name);
            }
            Console.ReadLine();

            foreach (string str in PowerShell.Create().AddScript("Get-Process").AddCommand("Out-
String").Invoke<string>())
            {
                Console.WriteLine(str);
            }
            Console.ReadLine();

            foreach (string str1 in PowerShell.Create().AddScript("Get-service").AddCommand("Out-
String").Invoke<string>())
            {
                Console.WriteLine(str1);
            }
        }
    }
}

```

```
}

PowerShell ps1 = PowerShell.Create();
ps1.AddScript(@"C:\CPS\M1PSFile.ps1").Invoke();

foreach (string str1 in PowerShell.Create().AddScript(@"C:\CPS\M1PSFile.ps1").Invoke())

{
    Console.WriteLine(str1);
}

Console.ReadLine();

}
}
```

GRAVITY CYBER

```
Add-Type -AssemblyName PresentationFramework
```

```
[xml]$xaml = @"

<Window
    xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
    xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
    x:Name ="Window"
    Title="MainWindow" Height="450" Width="800">
    <Grid>
        <Button Content="Add" HorizontalAlignment="Left" Margin="107,343,0,0" VerticalAlignment="Top"
Width="75" />
        <Button Content="Delete" HorizontalAlignment="Left" Margin="214,343,0,0" VerticalAlignment="Top"
Width="75"/>
        <ComboBox HorizontalAlignment="Left" Margin="552,179,0,0" VerticalAlignment="Top" Width="120">
            <RadioButton Content="Australia"/>
            <RadioButton Content="UK"/>
        </ComboBox>
        <TextBox HorizontalAlignment="Left" Height="23" Margin="182,179,0,0" TextWrapping="Wrap"
Text="XMAL Code" VerticalAlignment="Top" Width="120"/>
    </Grid>
</Window>

"@
```

```
$reader = (New-Object System.Xml.XmlNodeReader $xaml)
$window = [Windows.Markup.XamlReader]::Load($reader)
$window.ShowDialog()
```

PROJECT SPECIFICATION

BUILD AN APPLICATION OR SCRIPT WHICH HAS POWER TO MANAGE USER & COMPUTER ACCOUNTS IN FRIENDLY INTERFACE TO BE RUN BY JUNIOR SYSTEM ADMINS AND HELPDESKS.

THE APPLICATION SHOULD BE CAPABLE TO PERFORM FOLLOWING:

- Search for user and computer
- Retrieve information

FOR COMPUTER THE APP SHOULD

- Display Ip_Address, Current_User, Uptime
- Manage PC, Restart Services, View / Kill Processes
- Access remotely using RDP, VNC, SCCM
- Ping device
- Browse C: drive
- Update policy
- List computer is member in which groups and list applications installed

FOR USER THE APP SHOULD

- Display User Name, Email, Title, Phone
- Unlock and enable user
- Display password information
- List user is member in which groups

IN ADDITION, APP SHOULD HAVE MENU ITEM FOR FOLLOWING:

- Command prompt
- PowerShell
- Snipping tool

SOLUTION

- Specification >>> Design >>> Engine >>> APP_Structure

DETERMINE ASSEMBLE FILES

XAML UI CODE

#MAIN BODY

Window.show //to display main UI screen

User Function

Computer Function

Menu Function

Error handling

//END OF MAIN BODY

USER FUNCTION BLOCK

Search / Display

Unlock

Enable

See password information

List AD group memberships

//END USER FUNCTION BLOCK

COMPUTER FUNCTION BLOCK

Search / Display

SCCM

VNC

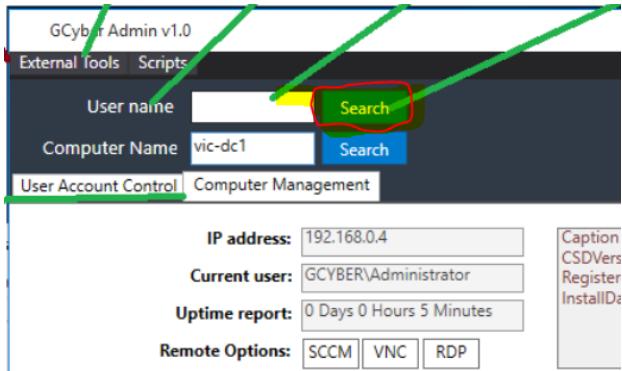
RDP

Ping

Browse C Drive

//END COMPUTER FUNCTION BLOCK

APP STRUCTURE



UI → UI Code → Main Code → Function

```
<Button x:Name="searchuser" Content="Search" HorizontalAlignment="Left" Height="24"
Margin="225.92,28,0,0" VerticalAlignment="Top" Width="62" Background="#FF007ACD" Focusable="False"
Foreground="White" BorderBrush="{x:Null}"/>
```

#USER PAGE CLICK EVENTS

```
$searchuser.add_Click({$tabControl.Items[0].IsSelected = $True

if (dsquery user -samid $username.Text){Get-userandsetdatafields}

ELSE{Show-MessageBox -Title "Error" -Type Stop -Message "User account not found"}

})
```

```
function Get-userandsetdatafields {
#set AD property values

$rawinfo = Get-ADUser -identity $username.Text -properties Description, Enabled, CN, DisplayName,
EmailAddress, EmployeeNumber, EmployeeType, HomeDirectory, HomeDrive, Manager, Title,
LastBadPasswordAttempt, LastLogonDate, LockedOut | fl | out-string

$firstname = get-aduser $username.Text -properties * | select -expandproperty givenname

$lastname = get-aduser $username.Text -properties * | select -expandproperty surname
```

```
$email = get-aduser $username.Text -properties * | select -expandproperty emailaddress
>Title = get-aduser $username.Text -properties * | select -expandproperty title
$phone = get-aduser $username.Text -properties * | select -expandproperty telephonenumber
$lockstatus = get-aduser $username.Text -properties * | select -expandproperty lockedout
$accountstatus = get-aduser $username.Text -properties * | select -expandproperty Enabled
$infocontent = get-aduser $username.Text -properties * | select -expandproperty info
#Set Data fields
$namefield.Text = "$firstname $lastname"
$emailfield.Text = "$email"
$titlefield.Text = "$title"
$phonefield.Text = "$phone"
```

GCyber Admin v1.0

External Tools Scripts

User name	administrator	Search
Computer Name	vic-dc1	Search
User Account Control	Computer Management	
Name:	<input type="text"/>	Locked Out: False
Email:	<input type="text"/>	Enabled: True
Title:	<input type="text"/>	
Phone:	<input type="text"/>	

```
Title="GCyber Admin v1.0" Height="623.2" Width="873.8" Foreground="#FF008B16"
WindowStartupLocation="CenterScreen" MinWidth="873.8" MinHeight="623.2"
Icon="https://cdn.iconscout.com/public/images/icon/free/png-512/toolbox-34edd084c3e6593c-512x512.png"
BorderBrush="#FF688CAF">

<Grid Background="#FF303A46">

    <TabControl x:Name="tabControl" Margin="0,86.2,0,0" Background="#FF3F3F47"
BorderBrush="#FF3F3F47">

        <TabItem x:Name="usertab" Header="User Account Control" FontFamily="Khmer UI"
Background="White">

            <Grid Background="White" Margin="-4.6,-2,-5.6,-5.2">

                <Image x:Name="image1" HorizontalAlignment="Left" Height="100.8" Margin="14,12,0,0"
VerticalAlignment="Top" Width="102.6" Source="https://www.hadselhavn.no/wp-
content/themes/HadselHavn/images/profileplaceholder.jpg">

                    <Image.Effect>
                        <DropShadowEffect Opacity="0.5"/>
                    </Image.Effect>
                </Image>

                <TextBox x:Name="rawoutput" Margin="7,171.24,8,4.8" TextWrapping="Wrap"
HorizontalScrollBarVisibility="Visible" VerticalScrollBarVisibility="Auto" FontSize="14.667" Background="White"
BorderBrush="#FF688CAF" Foreground="Black" TextDecorations="{x:Null}" FontFamily="Microsoft Tai Le"
IsReadOnly="True" IsUndoEnabled="False"/>

                <TextBlock x:Name="namelabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,18.14,0,0" TextWrapping="Wrap" Text="Name:" VerticalAlignment="Top" Width="39.353"
FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>

                <TextBlock x:Name="emaillabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,46.99,0,0" TextWrapping="Wrap" Text="Email:" VerticalAlignment="Top" Width="39.353"
FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>

                <TextBlock x:Name="deptlabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,77.404,0,0" TextWrapping="Wrap" Text="Title:" VerticalAlignment="Top" Width="39.353"
FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>

                <TextBlock x:Name="phonelabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,107.717,0,0" TextWrapping="Wrap" Text="Phone:" VerticalAlignment="Top" Width="39.353"
FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>
```

```

<TextBlock x:Name="lockoutfield" Height="18.4" Margin="364.4,18.14,371.247,0"
TextWrapping="Wrap" Text="Locked Out:" VerticalAlignment="Top" FontWeight="Bold" Foreground="Black"
FontFamily="Khmer UI"/>

<TextBlock x:Name="enabledfield" Height="18.4" Margin="364.4,46.923,371.247,0"
TextWrapping="Wrap" Text="Enabled:" VerticalAlignment="Top" FontWeight="Bold" Foreground="Black"
FontFamily="Khmer UI"/>

<TextBox x:Name="namefield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,15.14,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2" Background="White"
IsReadOnly="True" BorderBrush="#FF777777" Opacity="0.75" CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="emailfield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,43.99,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2" IsReadOnly="True"
Background="White" BorderBrush="#FF777777" Opacity="0.75" CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="titlefield" HorizontalAlignment="Left" Height="21.333" Margin="187.2,74.404,0,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2" IsReadOnly="True" Background="White"
BorderBrush="#FF777777" Opacity="0.75" CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="phonefield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,104.717,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2" IsReadOnly="True"
Background="White" BorderBrush="#FF777777" Opacity="0.75" CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="infofield" HorizontalAlignment="Right" Height="93.21" Margin="0,32.84,14,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="295" IsReadOnly="True"
VerticalScrollBarVisibility="Visible" Foreground="#FF7F3D3D" Background="#FFDDDDDD"
BorderBrush="#FF777777" Opacity="0.75"/>

<Label x:Name="infolable" Content="Account Notes ----" HorizontalAlignment="Right"
Height="22.84" Margin="0,11,169.8,0" VerticalAlignment="Top" Width="139.2" FontWeight="Bold"
Foreground="Black" FontFamily="Khmer UI"/>

<Button x:Name="unlock" Content="Unlock" HorizontalAlignment="Left" Height="22.266"
Margin="10,143.974,0,0" VerticalAlignment="Top" Width="69.866" Background="White" OpacityMask="Black"
Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

<Button x:Name="enable" Content="Enable" HorizontalAlignment="Left" Height="22.266"
Margin="84.866,143.974,0,0" VerticalAlignment="Top" Width="69.866" Background="White"
Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

<Button x:Name="listusergroups" Content="List AD group memberships" Height="22.266"
Margin="317.798,143.974,0,0" VerticalAlignment="Top" Background="White" Foreground="Black"
HorizontalAlignment="Left" Width="156.402" MaxWidth="156.402" Focusable="False" FontFamily="Khmer UI"/>

```

```

<Button x:Name="passwordinfo" Content="See password information" HorizontalAlignment="Left"
Height="22.266" Margin="159.732,143.974,0,0" VerticalAlignment="Top" Width="153.066" Background="White"
Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

</Grid>

</TabItem>

<TabItem x:Name="computertab" Header="Computer Management" FontFamily="Khmer UI"
Background="White">

<Grid x:Name="computeroutput" Background="White" Margin="-5.067,0,-4,0">

<Image x:Name="image1_Copy" HorizontalAlignment="Left" Height="95.599" Margin="10,10,0,0"
VerticalAlignment="Top" Width="100"
Source="https://cdn.tenforums.com/geek/gars/images/2/types/thumb_14339670430This_PC.png"
Stretch="UniformToFill"/>

<TextBox x:Name="IPfield" Height="21.333" Margin="212.6,17,0,0" TextWrapping="Wrap"
VerticalAlignment="Top" Background="#FFF0F0F0" IsReadOnly="True" HorizontalAlignment="Left"
Width="161.2" BorderBrush="#FF777777" Opacity="0.75" Focusable="False"/>

<TextBox x:Name="uptimefield" Height="22.333" Margin="212.6,69.666,0,0" TextWrapping="Wrap"
VerticalAlignment="Top" IsReadOnly="True" Background="#FFF0F0F0" HorizontalAlignment="Left"
Width="161.2" BorderBrush="#FF777777" Opacity="0.75" Focusable="False"/>

<TextBox x:Name="currentuserfield" Height="21.333" Margin="212.6,43.333,0,0"
TextWrapping="Wrap" VerticalAlignment="Top" IsReadOnly="True" Background="#FFF0F0F0"
HorizontalAlignment="Left" Width="161.2" BorderBrush="#FF777777" Opacity="0.75" Focusable="False"/>

<Button x:Name="listapps" Content="List installed applications" Height="22.266"
Margin="0,173.574,10,0" VerticalAlignment="Top" Background="White" HorizontalAlignment="Right"
Width="157" Focusable="False"/>

<Label x:Name="label2" Content="IP address:" HorizontalAlignment="Left" Height="29.4"
Margin="139.8,14,0,0" VerticalAlignment="Top" Width="72.8" FontWeight="Bold"/>

<Label x:Name="label2_Copy" Content="Current user:" HorizontalAlignment="Left" Height="29.4"
Margin="127.8,40.266,0,0" VerticalAlignment="Top" Width="84.8" FontWeight="Bold"/>

<Label x:Name="label2_Copy2" Content="Uptime report:" Height="29.4"
Margin="117.133,67.122,0,0" VerticalAlignment="Top" FontWeight="Bold" HorizontalAlignment="Left"
Width="95.134"/>

<Button x:Name="sendping" HorizontalAlignment="Left" Margin="11,173.574,0,0" Width="51.8"
Background="White" Foreground="Black" Height="22.266" VerticalAlignment="Top" Content="Ping"
Focusable="False"/>

```

```

<Button x:Name="browse" Content="Browse C drive" HorizontalAlignment="Left" Height="22.266"
Margin="67.8,173.574,0,0" VerticalAlignment="Top" Width="96.6" Background="White" Focusable="False"/>

<Button x:Name="lisrcomputergroups" Content="List Active Directory groups" Height="22.266"
Margin="0,173.574,172,0" VerticalAlignment="Top" Background="White" Focusable="False"
HorizontalAlignment="Right" Width="168.2"/>

<Button x:Name="updatepolicy" Content="Update policy" Height="22.266"
Margin="0,173.574,345.2,0" VerticalAlignment="Top" Background="White" Focusable="False" MaxWidth="98.6"
HorizontalAlignment="Right"/>

<Button x:Name="sccmremote" Content="SCCM" HorizontalAlignment="Left" Height="22.333"
Margin="213.6,96.999,0,0" VerticalAlignment="Top" Width="41.133" Background="White" Focusable="False"/>

<Button x:Name="vncremote" Content="VNC" HorizontalAlignment="Left" Height="22.333"
Margin="256.733,96.999,0,0" VerticalAlignment="Top" Width="41.133" Background="White"
Focusable="False"/>

<Button x:Name="rdpremote" Content="RDP" Height="22.333" Margin="300.866,96.999,0,0"
VerticalAlignment="Top" Background="White" HorizontalAlignment="Left" Width="41.133" Focusable="False"/>

<Label x:Name="label2_Copy1" Content="Remote Options:" Height="26.773"
Margin="105.533,94.559,0,0" VerticalAlignment="Top" FontWeight="Bold" HorizontalAlignment="Left"
Width="108.067"/>

<Button x:Name="power" Content="" Height="29.733" Margin="345.532,93.999,0,0"
VerticalAlignment="Top" BorderBrush="{x:Null}" HorizontalAlignment="Left" Width="28.268"
Foreground="{x:Null}" Focusable="False">

    <Button.Background>
        <ImageBrush ImageSource="https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcQRWX0N1M5_Z4_EAEj8ytZdnDdxhLf8cyX0I_94Aek97ksp8KrA"/>
    </Button.Background>
</Button>

<TextBox x:Name="OSinfofield" Height="102.332" Margin="398.4,17,155,0" TextWrapping="Wrap"
VerticalAlignment="Top" IsReadOnly="True" Background="#FFF0F0F0" Foreground="#FF7F3D3D"
BorderBrush="#FF777777"/>

<Button x:Name="managecomputer" Content="Manage computer" HorizontalAlignment="Right"
Height="22.633" Margin="0,17,36.6,0" VerticalAlignment="Top" Width="112.8" Focusable="False"
Background="White"/>

<Button x:Name="restrtservice" Content="Restart a Service" HorizontalAlignment="Right"
Height="22.633" Margin="0,44.633,36.6,0" VerticalAlignment="Top" Width="112.8" Focusable="False"
Background="White"/>

```

```
<Button x:Name="killprocess" Content="View/Kill process" HorizontalAlignment="Right"
Height="22.633" Margin="0,72.266,36.6,0" VerticalAlignment="Top" Width="112.8" Focusable="False"
Background="White"/>

<TextBox x:Name="computeroutput1" Margin="10.067,203.017,10,10" TextWrapping="Wrap"
IsReadOnly="True" Focusable="False"/>

</Grid>

</TabItem>

</TabControl>

<Menu x:Name="menu" Height="19.2" Margin="0,0.4,0,0" VerticalAlignment="Top"
Background="#FF252527">

<MenuItem Header="External Tools" Foreground="White" BorderBrush="#FF383838"
Background="#FF3F3F47" FontFamily="Khmer UI">

<MenuItem x:Name="adexternal" Header="Active Directory Search user" Foreground="Black"
Background="{x:Null}"/>

<Separator/>

<MenuItem x:Name="cmd" Header="Command Prompt" Foreground="Black" Background="{x:Null}"/>

<MenuItem x:Name="powershell" Header="Powershell" Foreground="Black" Background="{x:Null}"/>

<MenuItem x:Name="snippingtool" Header="Snipping Tool (Take a screenshot)" Foreground="Black"
Background="{x:Null}"/>

</MenuItem>

<MenuItem Header="Scripts" Foreground="White" BorderBrush="#FF383838" Background="#FF3F3F47"
FontFamily="Khmer UI">

<MenuItem x:Name="rebuildscript" Header="Rebuild Windows profile" Foreground="Black"/>

</MenuItem>

</Menu>

<TextBox x:Name="username" HorizontalAlignment="Left" Height="23.358" Margin="130.52,28.333,0,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="90.4" Foreground="Black" Background="White"
BorderBrush="#FF252527" SelectionBrush="#FF007ACD" CaretBrush="#FF007ACD"/>
```

```
<TextBox x:Name="computername" HorizontalAlignment="Left" Height="24" Margin="130.52,57.667,0,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="90.4" Background="White" BorderBrush="#FF252527"
CaretBrush="#FF007ACD"/>

<Label x:Name="label" Content="User name" HorizontalAlignment="Left" Height="26.667"
Margin="51.048,26.668,0,0" VerticalAlignment="Top" Width="74.472" FontSize="13.333" FontFamily="Khmer
UI" Foreground="White"/>

<Label x:Name="label_Copy" Content="Computer Name" HorizontalAlignment="Left" Height="26.667"
Margin="19.56,80.5,0,0" VerticalAlignment="Top" Width="107.048" FontSize="13.333" FontFamily="Khmer UI"
Foreground="White"/>

<Label x:Name="label1" Content="GCyber Admin" Height="53.715" Margin="0,24.6,0,0"
VerticalAlignment="Top" FontSize="32" FontWeight="Bold" FontFamily="Segoe UI Light"
HorizontalAlignment="Right" Width="221.6" Foreground="White"/>

<Path Data="M8.8,51.4" Fill="#FFF4F4F5" HorizontalAlignment="Left" Height="1" Margin="8.8,51.4,0,0"
Stretch="Fill" Stroke="Black" VerticalAlignment="Top" Width="1"/>

<Button x:Name="searchuser" Content="Search" HorizontalAlignment="Left" Height="24"
Margin="225.92,28,0,0" VerticalAlignment="Top" Width="62" Background="#FF007ACD" Focusable="False"
Foreground="White" BorderBrush="{x:Null}"/>

<Button x:Name="searchcomputer" Content="Search" HorizontalAlignment="Left" Height="24"
Margin="225.587,57.667,0,0" VerticalAlignment="Top" Width="62" Background="#FF007ACD" Focusable="False"
Foreground="White" BorderBrush="{x:Null}"/>

<Rectangle HorizontalAlignment="Left" Height="23.358" Margin="226.481,28.333,0,0" Stroke="#FF007ACD"
VerticalAlignment="Top" Width="61" StrokeThickness="3"/>

<Rectangle HorizontalAlignment="Left" Height="23.2" Margin="226.253,58,0,0" Stroke="#FF007ACD"
VerticalAlignment="Top" Width="61" StrokeThickness="3"/>

</Grid>
</Window>
```

```
Title="Gcyber Admin v1.0" Height="450" Width="900" Background="#FF251212" WindowStyle="ToolWindow"  
ResizeMode="NoResize">>
```

```
<Grid>
```

```
    <TextBox HorizontalAlignment="Left" Height="20" Margin="150,37,0,0" TextWrapping="Wrap"  
    VerticalAlignment="Top" Width="73"/>
```

```
    <TextBox HorizontalAlignment="Left" Height="20" Margin="150,62,0,0" TextWrapping="Wrap"  
    VerticalAlignment="Top" Width="73"/>
```

```
    <Label Content="User name" HorizontalAlignment="Left" Height="33" Margin="64,32,0,0"  
    VerticalAlignment="Top" Width="85" Foreground="#FFF9F8F8"/>
```

```
    <Label Content="Computer name" HorizontalAlignment="Left" Height="33" Margin="42,62,0,0"  
    VerticalAlignment="Top" Width="103" Foreground="#FFF9F8F8"/>
```

```
    <Button Content="Search" HorizontalAlignment="Left" Height="20" Margin="246,37,0,0"  
    VerticalAlignment="Top" Width="67" Background="#FF5B6BB4" Foreground="#FFEEE5E5"/>
```

```
    <Button Content="Search" HorizontalAlignment="Left" Height="20" Margin="246,62,0,0"  
    VerticalAlignment="Top" Width="67" Background="#FF5B6BB4" Foreground="#FFEEE5E5"/>
```

```
    <TabControl HorizontalAlignment="Left" Height="322" Margin="0,100,0,0" VerticalAlignment="Top"  
    Width="894">
```

```
        <TabItem Header="User Account Control">
```

```
            <TabItem.Background>
```

```
                <LinearGradientBrush EndPoint="0,1" StartPoint="0,0">
```

```
                    <GradientStop Color="#FFF0F0F0" Offset="0"/>
```

```
                    <GradientStop Color="White" Offset="1"/>
```

```
                </LinearGradientBrush>
```

```
            </TabItem.Background>
```

```
            <Grid Background="White" Margin="0,-2,0,2"/>
```

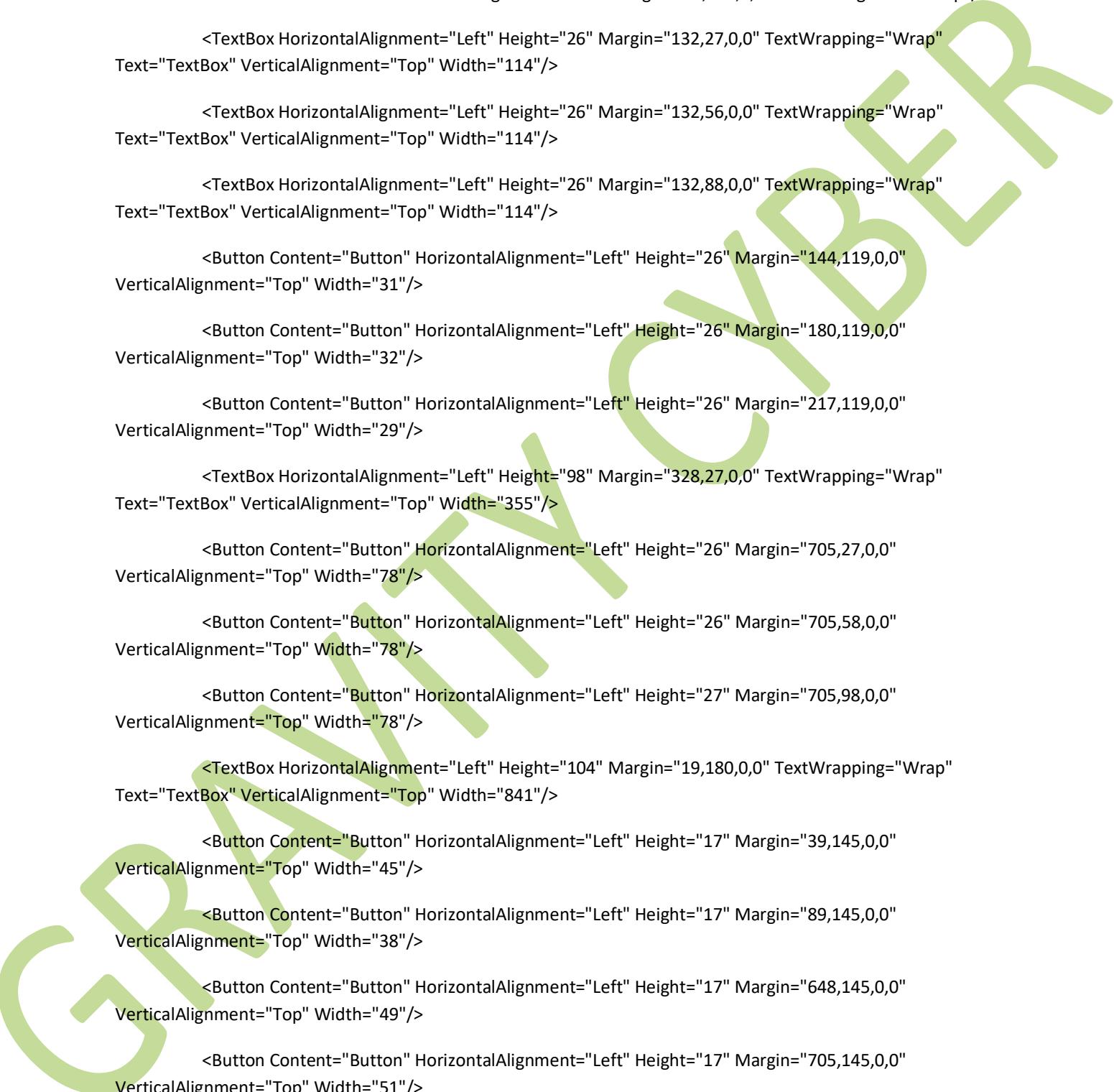
```
        </TabItem>
```

```
        <TabItem Header="Computer Management">
```

```
            <Grid Background="White">
```

```
                <Label Content="Label" HorizontalAlignment="Left" Margin="89,27,0,0" VerticalAlignment="Top"/>
```

```
                <Label Content="Label" HorizontalAlignment="Left" Margin="89,54,0,0" VerticalAlignment="Top"/>
```



```
<Label Content="Label" HorizontalAlignment="Left" Margin="89,86,0,0" VerticalAlignment="Top"/>
<Label Content="Label" HorizontalAlignment="Left" Margin="89,119,0,0" VerticalAlignment="Top"/>
<TextBox HorizontalAlignment="Left" Height="26" Margin="132,27,0,0" TextWrapping="Wrap"
Text="TextBox" VerticalAlignment="Top" Width="114"/>
<TextBox HorizontalAlignment="Left" Height="26" Margin="132,56,0,0" TextWrapping="Wrap"
Text="TextBox" VerticalAlignment="Top" Width="114"/>
<TextBox HorizontalAlignment="Left" Height="26" Margin="132,88,0,0" TextWrapping="Wrap"
Text="TextBox" VerticalAlignment="Top" Width="114"/>
<Button Content="Button" HorizontalAlignment="Left" Height="26" Margin="144,119,0,0"
VerticalAlignment="Top" Width="31"/>
<Button Content="Button" HorizontalAlignment="Left" Height="26" Margin="180,119,0,0"
VerticalAlignment="Top" Width="32"/>
<Button Content="Button" HorizontalAlignment="Left" Height="26" Margin="217,119,0,0"
VerticalAlignment="Top" Width="29"/>
<TextBox HorizontalAlignment="Left" Height="98" Margin="328,27,0,0" TextWrapping="Wrap"
Text="TextBox" VerticalAlignment="Top" Width="355"/>
<Button Content="Button" HorizontalAlignment="Left" Height="26" Margin="705,27,0,0"
VerticalAlignment="Top" Width="78"/>
<Button Content="Button" HorizontalAlignment="Left" Height="26" Margin="705,58,0,0"
VerticalAlignment="Top" Width="78"/>
<Button Content="Button" HorizontalAlignment="Left" Height="27" Margin="705,98,0,0"
VerticalAlignment="Top" Width="78"/>
<TextBox HorizontalAlignment="Left" Height="104" Margin="19,180,0,0" TextWrapping="Wrap"
Text="TextBox" VerticalAlignment="Top" Width="841"/>
<Button Content="Button" HorizontalAlignment="Left" Height="17" Margin="39,145,0,0"
VerticalAlignment="Top" Width="45"/>
<Button Content="Button" HorizontalAlignment="Left" Height="17" Margin="89,145,0,0"
VerticalAlignment="Top" Width="38"/>
<Button Content="Button" HorizontalAlignment="Left" Height="17" Margin="648,145,0,0"
VerticalAlignment="Top" Width="49"/>
<Button Content="Button" HorizontalAlignment="Left" Height="17" Margin="705,145,0,0"
VerticalAlignment="Top" Width="51"/>
```

```
<Button Content="Button" HorizontalAlignment="Left" Height="17" Margin="769,145,0,0"
VerticalAlignment="Top" Width="61"/>

</Grid>

</TabItem>

</TabControl>

<Label Content="GCyber Admin" HorizontalAlignment="Left" Height="45" Margin="588,37,0,0"
VerticalAlignment="Top" Width="247" Foreground="#FFFFF8F8" FontSize="24"/>

<DockPanel HorizontalAlignment="Left" Height="27" LastChildFill="False" VerticalAlignment="Top"
Width="894">

<Menu Height="27" VerticalAlignment="Top" Width="897" Background="Black"
Foreground="#FFF5F0F0">

<MenuItem Header="External Tools">

<MenuItem Header="Active Directory Search User"/>
<Separator/>
<MenuItem Header="Command Prompt"/>
<MenuItem Header="PowerShell"/>
<MenuItem Header="Snipping Tool (Take a screenshot)"/>
</MenuItem>
<MenuItem Header="Scripts"/>
</Menu>
</DockPanel>
</Grid>
</Window>
```

APPLICATION FUNCTION LIST

#USER DEFAULT SEARCH

Button x:Name="searchuser"

USER CONTROL TAB

Name="unlock"

Name="enable"

Name="listusergroups"

Name="passwordinfo"

COMPUTER DEFAULT SEARCH

Button x:Name="searchcomputer"

#COMPUTER CONTROL TAB

Name="sendping"

#Ping

Name="browse"

#Browse C: Drive

Name="liscrcomputergroups"

Name="updatepolicy"

Name="sccmremote"

Name="vncremote"

Name="rdpremote"

Name="listapps"

Name="managecomputer"

Name="restrtservice"

Name="killpocess"

MENU

Name="adexternal"

Name="cmd"

Name="powershell"

Name="snippingtool"

XPATH EXPRESSIONS

An XPath expression generally defines a pattern in order to select a set of nodes. These patterns are used by XSLT to perform transformations or by XPointer for addressing purpose.

XPath specification specifies seven types of nodes which can be the output of execution of the XPath expression.

- Root
- Element
- Text
- Attribute
- Comment
- Processing Instruction
- Namespace

XPath uses a path expression to select node or a list of nodes from an XML document.

Following is the list of useful paths and expression to select any node/ list of nodes from an XML document.

S.No.	Expression & Description
1	node-name Select all nodes with the given name "nodename"
2	/ Selection starts from the root node
3	// Selection starts from the current node that match the selection
4	. Selects the current node
5	.. Selects the parent of the current node
6	@ Selects attributes
7	student Example – Selects all nodes with the name "student"

	class/student
8	Example – Selects all student elements that are children of class
	//student
9	Selects all student elements no matter where they are in the document

XPATH CONTAINS

The contains() function tests whether a string attribute contains a specific string (case-insensitive) as a sub-string.

This query returns all the customers from which the name contains the string an:

```
//Sales.Customer[contains(Name, 'an')]
```

Customers with the name “Andy” or “Jan” will be returned, for example, because “an” is part of those names.

XPATH TRANSLATE

The translate function evaluates a string and a set of characters to translate and returns the translated string.

SYNTAX

```
translate(string, abc, XYZ)
```

String

The string to evaluate.

abc

The string of characters that will be replaced.

XYZ

The string of characters used for replacement. The first character in *XYZ* will replace every occurrence of the first character in *abc* that appears in *string*.

This is the closest we have at present to a function that can convert a string to uppercase or lowercase.

Example

```
<xsl:value-of select="translate('The quick brown fox.', 'abcdefghijklmnopqrstuvwxyz',  
'ABCDEFGHIJKLMNOPQRSTUVWXYZ')" />
```

Output

THE QUICK BROWN FOX.

- If *abc* is longer than *XYZ*, then every occurrence of characters in *abc* that do not have a corresponding character in *XYZ* will be removed.

Example

```
<xsl:value-of select="translate('The quick brown fox.', 'brown', 'red')" />
```

Output

The quick red fox.

- If *XYZ* contains more characters than *abc*, the extra characters are ignored.

```
xaml.SelectNodes("///*[@*[contains(translate(name(),'n','N'),'Name')]]")
```

// Selection starts from the current node that match the selection

* Any set of characters

[@ Selects attributes -- * Any set of characters

Contains

Translate

]

```
<TabControl x:Name="tabControl" Margin="0,86.2,0,0" Background="#FF3F3F47"  
BorderBrush="#FF3F3F47">
```

```
<TabItem x:Name="usertab" Header="User Account Control" FontFamily="Khmer UI"
Background="White">
```

```
<Grid Background="White" Margin="-4.6,-2,-5.6,-5.2">
```

```
<Image x:Name="image1" HorizontalAlignment="Left" Height="100.8" Margin="14,12,0,0"
VerticalAlignment="Top" Width="102.6" Source="https://www.hadselhavn.no/wp-
content/themes/HadselHavn/images/profileplaceholder.jpg">
```

```
    <Image.Effect>
```

```
        <DropShadowEffect Opacity="0.5"/>
```

```
    </Image.Effect>
```

```
</Image>
```

```
<TextBox x:Name="rawoutput" Margin="7,171.24,8,4.8" TextWrapping="Wrap"
HorizontalAlignment="Left" VerticalScrollBarVisibility="Auto" FontSize="14.667"
Background="White" BorderBrush="#FF688CAF" Foreground="Black" TextDecorations="{x:Null}"
FontFamily="Microsoft Tai Le" IsReadOnly="True" IsUndoEnabled="False"/>
```

```
<TextBlock x:Name="namelabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,18.14,0,0" TextWrapping="Wrap" Text="Name:" VerticalAlignment="Top"
Width="39.353" FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>
```

```
<TextBlock x:Name="emaillabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,46.99,0,0" TextWrapping="Wrap" Text="Email:" VerticalAlignment="Top"
Width="39.353" FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>
```

```
<TextBlock x:Name="deptlabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,77.404,0,0" TextWrapping="Wrap" Text="Title:" VerticalAlignment="Top"
Width="39.353" FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>
```

```
<TextBlock x:Name="phonelabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,107.717,0,0" TextWrapping="Wrap" Text="Phone:" VerticalAlignment="Top"
Width="39.353" FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>
```

```
<TextBlock x:Name="lockoutfield" Height="18.4" Margin="364.4,18.14,371.247,0"
TextWrapping="Wrap" Text="Locked Out:" VerticalAlignment="Top" FontWeight="Bold"
Foreground="Black" FontFamily="Khmer UI"/>
```

```
<TextBlock x:Name="enabledfield" Height="18.4" Margin="364.4,46.923,371.247,0"
TextWrapping="Wrap" Text="Enabled:" VerticalAlignment="Top" FontWeight="Bold"
Foreground="Black" FontFamily="Khmer UI"/>
```

```
<TextBox x:Name="namefield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,15.14,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2"
```

```

Background="White" IsReadOnly="True" BorderBrush="#FF777777" Opacity="0.75"
CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="emailfield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,43.99,0,0" TextWrapping="Wrap" VerticalAlignment="Top"
IsReadOnly="True" Background="White" BorderBrush="#FF777777"
CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="titlefield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,74.404,0,0" TextWrapping="Wrap" VerticalAlignment="Top"
IsReadOnly="True" Background="White" BorderBrush="#FF777777"
CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="phonefield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,104.717,0,0" TextWrapping="Wrap" VerticalAlignment="Top"
IsReadOnly="True" Background="White" BorderBrush="#FF777777"
CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="infofield" HorizontalAlignment="Right" Height="93.21" Margin="0,32.84,14,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="295" IsReadOnly="True"
VerticalScrollBarVisibility="Visible" Foreground="#FF7F3D3D" Background="#FFDDDDDD"
BorderBrush="#FF777777" Opacity="0.75"/>

<Label x:Name="infolable" Content="Account Notes ----" HorizontalAlignment="Right"
Height="22.84" Margin="0,11,169.8,0" VerticalAlignment="Top" Width="139.2" FontWeight="Bold"
Foreground="Black" FontFamily="Khmer UI"/>

<Button x:Name="unlock" Content="Unlock" HorizontalAlignment="Left" Height="22.266"
Margin="10,143.974,0,0" VerticalAlignment="Top" Width="69.866" Background="White"
OpacityMask="Black" Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

<Button x:Name="enable" Content="Enable" HorizontalAlignment="Left" Height="22.266"
Margin="84.866,143.974,0,0" VerticalAlignment="Top" Width="69.866" Background="White"
Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

<Button x:Name="listusergroups" Content="List AD group memberships" Height="22.266"
Margin="317.798,143.974,0,0" VerticalAlignment="Top" Background="White" Foreground="Black"
HorizontalAlignment="Left" Width="156.402" MaxWidth="156.402" Focusable="False"
FontFamily="Khmer UI"/>

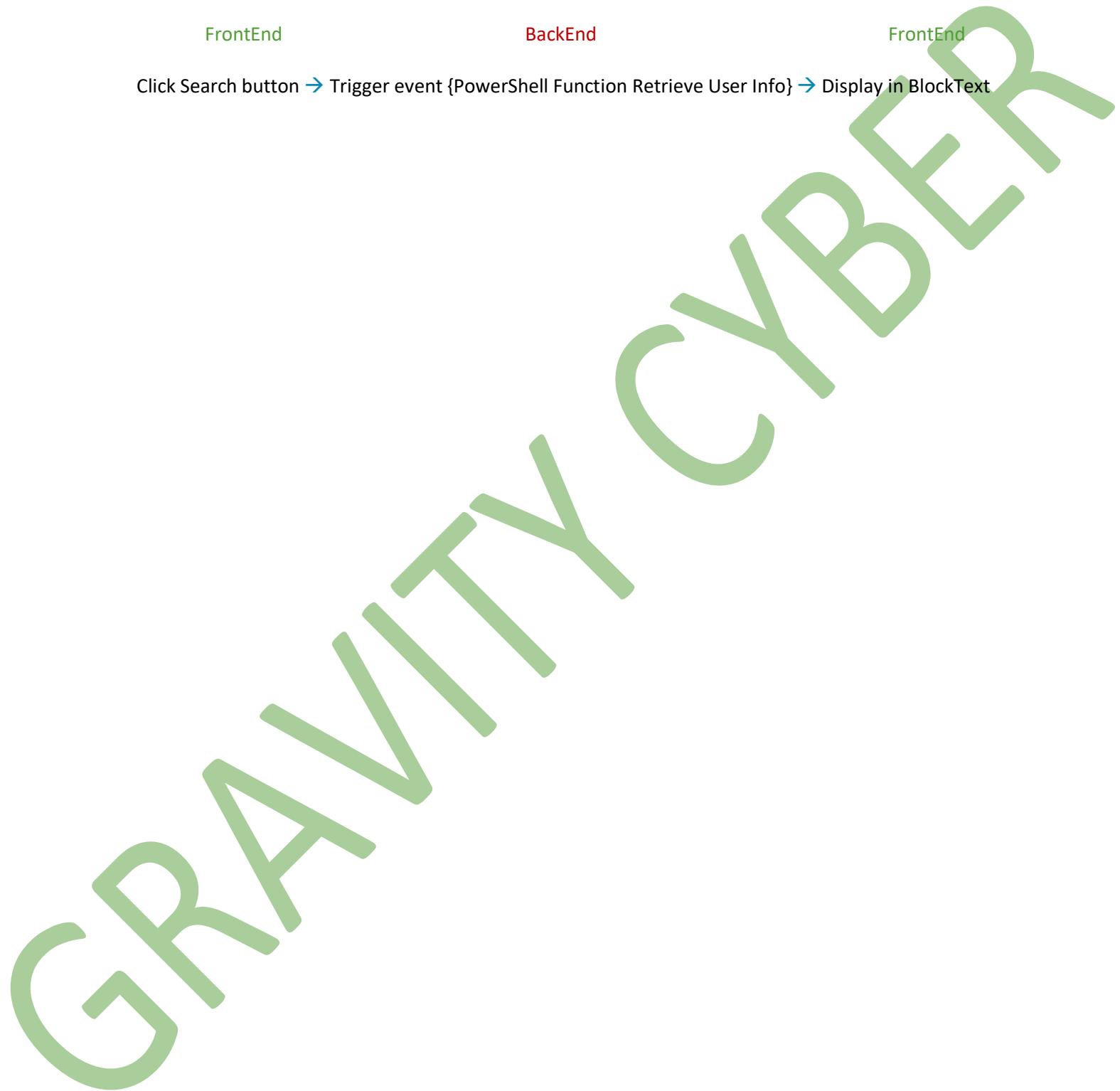
<Button x:Name="passwordinfo" Content="See password information" HorizontalAlignment="Left"
Height="22.266" Margin="159.732,143.974,0,0" VerticalAlignment="Top" Width="153.066"
Background="White" Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

</Grid>

```

FrontEnd design control tools <– Linked → BackEnd script

Example



```

#
# Script.ps1 (Copy the content to a notepad and save the file with.ps1 extension)
#
Add-Type -AssemblyName presentationframework
Add-Type -AssemblyName System.Windows.Forms
Add-Type -AssemblyName System.Drawing

[xml]$XAML = @"
<Window
    xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
    xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
    Title="GCyber Admin v1.0" Height="623.2" Width="873.8" Foreground="#FF008B16"
    WindowStartupLocation="CenterScreen" MinWidth="873.8" MinHeight="623.2"
    Icon="https://cdn.iconscout.com/public/images/icon/free/png-512/toolbox-34edd084c3e6593c-512x512.png"
    BorderBrush="#FF688CAF">
    <Grid Background="#FF303A46">
        <TabControl x:Name="tabControl" Margin="0,86.2,0,0" Background="#FF3F3F47"
        BorderBrush="#FF3F3F47">
            <TabItem x:Name="usertab" Header="User Account Control" FontFamily="Khmer UI"
Background="White">
                <Grid Background="White" Margin="-4.6,-2,-5.6,-5.2">
                    <Image x:Name="image1" HorizontalAlignment="Left" Height="100.8" Margin="14,12,0,0"
VerticalAlignment="Top" Width="102.6" Source="https://www.hadselhavn.no/wp-
content/themes/HadselHavn/images/profileplaceholder.jpg">
                        <Image.Effect>
                            <DropShadowEffect Opacity="0.5"/>
                        </Image.Effect>
                    </Image>
                    <TextBox x:Name="rawoutput" Margin="7,171.24,8,4.8" TextWrapping="Wrap"
HorizontalScrollBarVisibility="Visible" VerticalScrollBarVisibility="Auto" FontSize="14.667" Background="White"
BorderBrush="#FF688CAF" Foreground="Black" TextDecorations="{x:Null}" FontFamily="Microsoft Tai Le"
IsReadOnly="True" IsUndoEnabled="False"/>
                    <TextBlock x:Name="namelabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,18.14,0,0" TextWrapping="Wrap" Text="Name:" VerticalAlignment="Top" Width="39.353"
FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>

```

```

<TextBlock x:Name="emaillabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,46.99,0,0" TextWrapping="Wrap" Text="Email:" VerticalAlignment="Top" Width="39.353"
FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>

<TextBlock x:Name="deptlabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,77.404,0,0" TextWrapping="Wrap" Text="Title:" VerticalAlignment="Top" Width="39.353"
FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>

<TextBlock x:Name="phonelabel" HorizontalAlignment="Left" Height="18.4"
Margin="140.247,107.717,0,0" TextWrapping="Wrap" Text="Phone:" VerticalAlignment="Top" Width="39.353"
FontWeight="Bold" Foreground="Black" FontFamily="Khmer UI"/>

<TextBlock x:Name="lockoutfield" Height="18.4" Margin="364.4,18.14,371.247,0"
TextWrapping="Wrap" Text="Locked Out:" VerticalAlignment="Top" FontWeight="Bold" Foreground="Black"
FontFamily="Khmer UI"/>

<TextBlock x:Name="enabledfield" Height="18.4" Margin="364.4,46.923,371.247,0"
TextWrapping="Wrap" Text="Enabled:" VerticalAlignment="Top" FontWeight="Bold" Foreground="Black"
FontFamily="Khmer UI"/>

<TextBox x:Name="namefield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,15.14,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2" Background="White"
IsReadOnly="True" BorderBrush="#FF777777" Opacity="0.75" CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="emailfield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,43.99,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2" IsReadOnly="True"
Background="White" BorderBrush="#FF777777" Opacity="0.75" CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="titlefield" HorizontalAlignment="Left" Height="21.333" Margin="187.2,74.404,0,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2" IsReadOnly="True" Background="White"
BorderBrush="#FF777777" Opacity="0.75" CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="phonefield" HorizontalAlignment="Left" Height="21.333"
Margin="187.2,104.717,0,0" TextWrapping="Wrap" VerticalAlignment="Top" Width="172.2" IsReadOnly="True"
Background="White" BorderBrush="#FF777777" Opacity="0.75" CaretBrush="#FF007ACD" Focusable="False"/>

<TextBox x:Name="infofield" HorizontalAlignment="Right" Height="93.21" Margin="0,32.84,14,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="295" IsReadOnly="True"
VerticalScrollBarVisibility="Visible" Foreground="#FF7F3D3D" Background="#FFDDDDDD"
BorderBrush="#FF777777" Opacity="0.75"/>

<Label x:Name="infolable" Content="Account Notes ----" HorizontalAlignment="Right"
Height="22.84" Margin="0,11,169.8,0" VerticalAlignment="Top" Width="139.2" FontWeight="Bold"
Foreground="Black" FontFamily="Khmer UI"/>

<Button x:Name="unlock" Content="Unlock" HorizontalAlignment="Left" Height="22.266"
Margin="10,143.974,0,0" VerticalAlignment="Top" Width="69.866" Background="White" OpacityMask="Black"
Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

<Button x:Name="enable" Content="Enable" HorizontalAlignment="Left" Height="22.266"
Margin="84.866,143.974,0,0" VerticalAlignment="Top" Width="69.866" Background="White"
Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

<Button x:Name="listusergroups" Content="List AD group memberships" Height="22.266"
Margin="317.798,143.974,0,0" VerticalAlignment="Top" Background="White" Foreground="Black"
HorizontalAlignment="Left" Width="156.402" MaxWidth="156.402" Focusable="False" FontFamily="Khmer UI"/>

```

```

<Button x:Name="passwordinfo" Content="See password information" HorizontalAlignment="Left"
Height="22.266" Margin="159.732,143.974,0,0" VerticalAlignment="Top" Width="153.066" Background="White"
Foreground="Black" Focusable="False" FontFamily="Khmer UI"/>

</Grid>
</TabItem>

<TabItem x:Name="computertab" Header="Computer Management" FontFamily="Khmer UI"
Background="White">

<Grid x:Name="computeroutput" Background="White" Margin="-5.067,0,-4,0">

<Image x:Name="image1_Copy" HorizontalAlignment="Left" Height="95.599" Margin="10,10,0,0"
VerticalAlignment="Top" Width="100"
Source="https://cdn.tenforums.com/geek/gars/images/2/types/thumb_14339670430This_PC.png"
Stretch="UniformToFill"/>

<TextBox x:Name="IPfield" Height="21.333" Margin="212.6,17,0,0" TextWrapping="Wrap"
VerticalAlignment="Top" Background="#FFF0F0F0" IsReadOnly="True" HorizontalAlignment="Left"
Width="161.2" BorderBrush="#FF777777" Opacity="0.75" Focusable="False"/>

<TextBox x:Name="uptimefield" Height="22.333" Margin="212.6,69.666,0,0" TextWrapping="Wrap"
VerticalAlignment="Top" IsReadOnly="True" Background="#FFF0F0F0" HorizontalAlignment="Left"
Width="161.2" BorderBrush="#FF777777" Opacity="0.75" Focusable="False"/>

<TextBox x:Name="currentuserfield" Height="21.333" Margin="212.6,43.333,0,0"
TextWrapping="Wrap" VerticalAlignment="Top" IsReadOnly="True" Background="#FFF0F0F0"
HorizontalAlignment="Left" Width="161.2" BorderBrush="#FF777777" Opacity="0.75" Focusable="False"/>

<Button x:Name="listapps" Content="List installed applications" Height="22.266"
Margin="0,173.574,10,0" VerticalAlignment="Top" Background="White" HorizontalAlignment="Right"
Width="157" Focusable="False"/>

<Label x:Name="label2" Content="IP address:" HorizontalAlignment="Left" Height="29.4"
Margin="139.8,14,0,0" VerticalAlignment="Top" Width="72.8" FontWeight="Bold"/>

<Label x:Name="label2_Copy" Content="Current user:" HorizontalAlignment="Left" Height="29.4"
Margin="127.8,40.266,0,0" VerticalAlignment="Top" Width="84.8" FontWeight="Bold"/>

<Label x:Name="label2_Copy2" Content="Uptime report:" Height="29.4"
Margin="117.133,67.122,0,0" VerticalAlignment="Top" FontWeight="Bold" HorizontalAlignment="Left"
Width="95.134"/>

<Button x:Name="sendping" HorizontalAlignment="Left" Margin="11,173.574,0,0" Width="51.8"
Background="White" Foreground="Black" Height="22.266" VerticalAlignment="Top" Content="Ping"
Focusable="False"/>

<Button x:Name="browse" Content="Browse C drive" HorizontalAlignment="Left" Height="22.266"
Margin="67.8,173.574,0,0" VerticalAlignment="Top" Width="96.6" Background="White" Focusable="False"/>

<Button x:Name="lisrcomputergroups" Content="List Active Directory groups" Height="22.266"
Margin="0,173.574,172,0" VerticalAlignment="Top" Background="White" Focusable="False"
HorizontalAlignment="Right" Width="168.2"/>

<Button x:Name="updatepolicy" Content="Update policy" Height="22.266"
Margin="0,173.574,345.2,0" VerticalAlignment="Top" Background="White" Focusable="False" MaxWidth="98.6"
HorizontalAlignment="Right"/>

<Button x:Name="sccmremote" Content="SCCM" HorizontalAlignment="Left" Height="22.333"
Margin="213.6,96.999,0,0" VerticalAlignment="Top" Width="41.133" Background="White" Focusable="False"/>

```

```

<Button x:Name="vncremote" Content="VNC" HorizontalAlignment="Left" Height="22.333"
Margin="256.733,96.999,0,0" VerticalAlignment="Top" Width="41.133" Background="White"
Focusable="False"/>

<Button x:Name="rdpremote" Content="RDP" Height="22.333" Margin="300.866,96.999,0,0"
VerticalAlignment="Top" Background="White" HorizontalAlignment="Left" Width="41.133" Focusable="False"/>

<Label x:Name="label2_Copy1" Content="Remote Options:" Height="26.773"
Margin="105.533,94.559,0,0" VerticalAlignment="Top" FontWeight="Bold" HorizontalAlignment="Left"
Width="108.067"/>

<Button x:Name="power" Content="" Height="29.733" Margin="345.532,93.999,0,0"
VerticalAlignment="Top" BorderBrush="{x:Null}" HorizontalAlignment="Left" Width="28.268"
Foreground="{x:Null}" Focusable="False">

    <Button.Background>
        <ImageBrush ImageSource="https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcQRWX0N1M5_Z4_EAEj8ytZdnDdxhLf8cyX0I_94Aek97ksp8KrA"/>
    </Button.Background>
</Button>

<TextBox x:Name="OSinfofield" Height="102.332" Margin="398.4,17,155,0" TextWrapping="Wrap"
VerticalAlignment="Top" IsReadOnly="True" Background="#FFF0F0F0" Foreground="#FF7F3D3D"
BorderBrush="#FF777777"/>

<Button x:Name="managecomputer" Content="Manage computer" HorizontalAlignment="Right"
Height="22.633" Margin="0,17,36.6,0" VerticalAlignment="Top" Width="112.8" Focusable="False"
Background="White"/>

<Button x:Name="restrtservice" Content="Restart a Service" HorizontalAlignment="Right"
Height="22.633" Margin="0,44.633,36.6,0" VerticalAlignment="Top" Width="112.8" Focusable="False"
Background="White"/>

<Button x:Name="killpocess" Content="View/Kill process" HorizontalAlignment="Right"
Height="22.633" Margin="0,72.266,36.6,0" VerticalAlignment="Top" Width="112.8" Focusable="False"
Background="White"/>

<TextBox x:Name="computeroutput1" Margin="10.067,203.017,10,10" TextWrapping="Wrap"
IsReadOnly="True" Focusable="False"/>

</Grid>
</TabItem>
</TabControl>
<Menu x:Name="menu" Height="19.2" Margin="0,0,4,0,0" VerticalAlignment="Top"
Background="#FF252527">

    <MenuItem Header="External Tools" Foreground="White" BorderBrush="#FF383838"
Background="#FF3F3F47" FontFamily="Khmer UI">

        <MenuItem x:Name="adexternal" Header="Active Directory Search user" Foreground="Black"
Background="{x:Null}"/>
        <Separator/>
        <MenuItem x:Name="cmd" Header="Command Prompt" Foreground="Black" Background="{x:Null}"/>
        <MenuItem x:Name="powershell" Header="Powershell" Foreground="Black" Background="{x:Null}"/>

```

```

<MenuItem x:Name="snippingtool" Header="Snipping Tool (Take a screenshot)" Foreground="Black"
Background="{x:Null}"/>
</MenuItem>
<MenuItem Header="Scripts" Foreground="White" BorderBrush="#FF383838" Background="#FF3F3F47"
FontFamily="Khmer UI">
<MenuItem x:Name="rebuildscript" Header="Rebuild Windows profile" Foreground="Black"/>
</MenuItem>
</Menu>
<TextBox x:Name="username" HorizontalAlignment="Left" Height="23.358" Margin="130.52,28.333,0,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="90.4" Foreground="Black" Background="White"
BorderBrush="#FF252527" SelectionBrush="#FF007ACD" CaretBrush="#FF007ACD"/>
<TextBox x:Name="computername" HorizontalAlignment="Left" Height="24" Margin="130.52,57.667,0,0"
TextWrapping="Wrap" VerticalAlignment="Top" Width="90.4" Background="White" BorderBrush="#FF252527"
CaretBrush="#FF007ACD"/>
<Label x:Name="label" Content="User name" HorizontalAlignment="Left" Height="26.667"
Margin="51.048,26.668,0,0" VerticalAlignment="Top" Width="74.472" FontSize="13.333" FontFamily="Khmer
UI" Foreground="White"/>
<Label x:Name="label_Copy" Content="Computer Name" HorizontalAlignment="Left" Height="26.667"
Margin="19.56,805,0,0" VerticalAlignment="Top" Width="107.048" FontSize="13.333" FontFamily="Khmer UI"
Foreground="White"/>
<Label x:Name="label1" Content="GCyber Admin" Height="53.715" Margin="0,24.6,0,0"
VerticalAlignment="Top" FontSize="32" FontWeight="Bold" FontFamily="Segoe UI Light"
HorizontalAlignment="Right" Width="221.6" Foreground="White"/>
<Path Data="M8.8,51.4" Fill="#FFF4F4F5" HorizontalAlignment="Left" Height="1" Margin="8.8,51.4,0,0"
Stretch="Fill" Stroke="Black" VerticalAlignment="Top" Width="1"/>
<Button x:Name="searchuser" Content="Search" HorizontalAlignment="Left" Height="24"
Margin="225.92,28,0,0" VerticalAlignment="Top" Width="62" Background="#FF007ACD" Focusable="False"
Foreground="White" BorderBrush="{x:Null}"/>
<Button x:Name="searchcomputer" Content="Search" HorizontalAlignment="Left" Height="24"
Margin="225.587,57.667,0,0" VerticalAlignment="Top" Width="62" Background="#FF007ACD" Focusable="False"
Foreground="White" BorderBrush="{x:Null}"/>
<Rectangle HorizontalAlignment="Left" Height="23.358" Margin="226.481,28.333,0,0" Stroke="#FF007ACD"
VerticalAlignment="Top" Width="61" StrokeThickness="3"/>
<Rectangle HorizontalAlignment="Left" Height="23.2" Margin="226.253,58,0,0" Stroke="#FF007ACD"
VerticalAlignment="Top" Width="61" StrokeThickness="3"/>
</Grid>
</Window>
"@

```

```

$reader=(New-Object System.Xml.XmlNodeReader $xaml)
$Window=[Windows.Markup.XamlReader]::Load( $reader )

$xaml.SelectNodes("//*[@*[contains(translate(name(.),'n','N'),'Name')]]") | ForEach {
New-Variable -Name $_.Name -Value $Window.FindName($_.Name) -Force
}

# Menu functions-----
Function Open-ADUC {dsa.msc}
Function Open-CMD {Start-Process cmd.exe}
Function Open-Powershell {start-process powershell.exe}
Function Open-Snippingtool {Start-Process -FilePath C:\windows\system32\SnippingTool.exe}
# -----

# User Main Function -----
function Get-userandsetdatafields {
    $rawinfo = Get-ADUser -identity $username.Text -properties Description, Enabled, CN, DisplayName, EmailAddress, EmployeeNumber, EmployeeType, HomeDirectory, HomeDrive, Manager, Title, LastBadPasswordAttempt, LastLogonDate, LockedOut | fl | out-string
    $firstname = get-aduser $username.Text -properties * | select -expandproperty givenname
    $lastname = get-aduser $username.Text -properties * | select -expandproperty surname
    $email = get-aduser $username.Text -properties * | select -expandproperty emailaddress
    $Title = get-aduser $username.Text -properties * | select -expandproperty title
    $phone = get-aduser $username.Text -properties * | select -expandproperty telephonenumber

    $lockstatus = get-aduser $username.Text -properties * | select -expandproperty lockedout
    $accountstatus = get-aduser $username.Text -properties * | select -expandproperty Enabled
    $infocontent = get-aduser $username.Text -properties * | select -expandproperty info

    $namefield.Text = "$firstname $lastname"
    $emailfield.Text = "$email"
    $titlefield.Text = "$title"
    $phonefield.Text = "$phone"
    $rawoutput.Foreground = 'green'
    $lockoutfield.text = "Locked Out: $lockstatus"
    $enabledfield.Text = "Enabled: $accountstatus"
    $infofield.Text = "$infocontent"
    $rawoutput.text = "$(($rawinfo.TrimStart()))"
}

```

```

if((Get-Aduser $username.Text -Properties LockedOut).LockedOut -eq $true) {
    $lockoutfield.Foreground = "Red"
}ELSE{
    $lockoutfield.Foreground = "Green"
}

if((Get-Aduser $username.Text -Properties Enabled).Enabled -eq $False) {
    $enabledfield.foreground = "Red"
}ELSE{
    $enabledfield.foreground = "Green"
}
#-----
#get password stuff
function get-passwordinfo {
    $expiredate = Get-ADUser -Identity $username.Text -Properties msDS-UserPasswordExpiryTimeComputed |
        select samaccountname,@{ Name = "Expiration Date"; Expression={[datetime]::FromFileTime($_."msDS-UserPasswordExpiryTimeComputed")}} | Format-Table -AutoSize | Out-string
    $setdate = Get-ADUser -Identity $username.Text -Properties PasswordLastSet | Select-Object PasswordLastSet |
        ft | out-string
    $rawoutput.text = "$setdate $expiredate"
}
#unlock
Function unlockuser {
    if((Get-Aduser $username.Text -Properties LockedOut).LockedOut -eq $true)
    {
        Unlock-ADAccount -Identity $username.Text
        [System.Windows.MessageBox]::Show('User account has been unlocked','Unlock User','OK','Exclamation')
        Get-userandsetdatafields
    }else{
        [System.Windows.MessageBox]::Show('User account is not locked','Dude...','OK','Exclamation')
        Get-userandsetdatafields
    }
}
#Enable
Function enableuser {
    if((Get-Aduser $username.Text -Properties Enabled).Enabled -eq $true) {

```

```
[System.Windows.MessageBox]::Show('User account is already enabled','Dude...','OK','Exclamation')
Get-userandsetdatafields
}ELSE{
Enable-AdAccount $username.Text
[System.Windows.MessageBox]::Show('User account is enabled','System Msg','OK','Exclamation')

}
}
```

```
function ADGroupsOfUser {
    $usertoken = $username.Text
    Get-ADPrincipalGroupMembership $usertoken | select name | Sort-object -property name | out-gridview
}
```

```
# End of User function
```

```
# -----
# Menu Triggers
$adexternal.add_Click({open-ADUC})
$cmd.add_click({Open-CMD})
$powershell.add_click({open-powershell})
$snippingtool.add_Click({Open-Snippingtool})
#-----
```

```
# User Triggers -----
$searchuser.add_Click({
    if (dsquery user -samid $username.Text)
    { Get-userandsetdatafields}
    else
```

```
{[System.Windows.MessageBox]::Show('User account not found','No info','OK','Exclamation')}
```

```
})  
  
$passwordinfo.add_click({get-passwordinfo})  
$unlock.add_click({unlockuser})  
$enable.add_click({enableuser})
```

```
$listusergroups.add_click({  
if (dsquery user -samid $username.Text) {ADGroupsOfUser}  
ELSE  
{[System.Windows.MessageBox]::Show('User account not found','No info','OK','Exclamation')}  
})
```

```
# -----
```

```
$Window.ShowDialog()
```

GRAVITY

CYBER

#COMPUTER SEARCH

```

function Get-computerandsetdatafields {
    $ipv4 = Test-Connection $computername.Text -count 1 | Select -ExpandProperty IPV4Address
    $currentuser = Get-WmiObject -ComputerName $computername.Text -Class Win32_ComputerSystem | Select -
        ExpandProperty UserName
    Get-Uptime $computername.Txt
    $OSinfo = Get-CimInstance Win32_OperatingSystem | Select-Object Caption, CSDVersion, RegisteredUser,
        InstallDate | fl | out-string
    $fullinfo = Get-adcomputer $computername.Text | out-string
    #set fields with queried computer info
    $ipfield.text = $ipv4.IPAddressToString
    $currentuserfield.Text = $currentuser
    $OSinfofield.Text = $OSinfo.Trim()
    $computeroutput1.Text = $fullinfo.TrimStart()
}#End of Computer function

#-----
#FUNCTIONS FOR COMPUTER PAGE BUTTONS
#-----

function Get-Uptime{
    $wmi = Get-WmiObject -class Win32_OperatingSystem -computer $computername.Text
    $LBTime = $wmi.Convert.ToDateTime($wmi.Lastbootuptime)
    [TimeSpan]$uptime = New-TimeSpan $LBTime $(get-date)
    $uptimefield.Text = "($"($uptime.days) Days $($uptime.hours) Hours $($uptime.minutes)
Minutes)"
}

Function start-remote {
start-process -FilePath "C:\Program Files (x86)\SCCMRemoteControl\CmRcviewer.exe" $computername.Text
}

Function start-vnc {
& "C:\Program Files\uvnc bvba\UltraVNC\vncviewer.exe" $computername.Text
}

Function start-rdp {
Start-Process "$env:windir\system32\mstsc.exe" -ArgumentList "/v: $($computername.Text)"
}

function force-restart {
$msg = new-object -comobject wscript.shell

```

```

$msgAnswer = $msg.popup("Are you sure you want to reboot this computer?", `0,"Force Reboot",4)

If ($msgAnswer -eq 6) {
    restart-computer $computername.Text -force
    $msg.popup("Reboot command sent to the computer ", `0, "Force Reboot")
} else {
    $msg.popup("Mission Aborted.", `0,"Force Reboot")
}

Function update-policy {
    $strAction = "{00000000-0000-0000-0000-000000000021}"
    $WMIPath = "\\\$($computername.Text)\root\ccm:SMS_Client"
    $SMSwmi = [wmiclass] $WMIPath
    [Void]$SMSwmi.TriggerSchedule($strAction)
    Show-MessageBox -type Information -title "Refresh machine policy" -Message "Machine policy updated"
}

function ADGroupsOfComp {
    $comp = $computername.Text
    $comp = $comp + "$"
    Get-ADPrincipalGroupMembership -identity $comp | select name | Sort-object -property name | Out-GridView
    #foreach-object {$Listview.Items.Add($_.Name)}
    #$computeroutput.Text = $accessgroups.Trim()
}

Function ping-t {start-process cmd
start-sleep -Milliseconds 500
[Microsoft.VisualBasic.Interaction]::AppActivate("cmd.exe")
[System.Windows.Forms.SendKeys]::SendWait("ping $($computername.Text) -t")
[System.Windows.Forms.SendKeys]::SendWait("{ENTER}")
}

Function restartservice {Get-service -Computername $computername.Text | out-gridview -Passthru | Restart-Service
}

Function Kill-Process {
    (Get-WmiObject Win32_Process -ComputerName $computername.text) | Select-object Name, ExecutablePath |
    Out-GridView -PassThru -Title "Select an application to end by clicking OK"
    #get-process -Computername $computername.Text | out-gridview -PassThru | Stop-Process -Force
}

```

```
}

Function goto-C {invoke-item "\\$($computername.text)\C\$"}

Function Manage-Computer {compmgmt.msc /computer:$($computername.text)}

Function Manage-Services {services.msc /computer:$($computername.Text)}

Function List-Apps {$applistdata = get-wmiobject -Computername $computername.Text -class Win32Reg_AddRemovePrograms -Property * | Select-Object DisplayName, version | out-gridview
#$computeroutput.Text = $applistdata
}

#-----
```

```
#COMPUTER PAGE CLICK EVENTS
#-----
$searchcomputer.add_click({

If (Test-Connection $computername.Text -count 1 -quiet) {
Get-computerandsetdatafields
}ELSE{
[System.Windows.MessageBox]::Show('Computer is offline','No info','OK','Exclamation')
}
})
$ccmremote.add_Click({start-remote})
$vncremote.add_Click({start-vnc})
$rdpremote.add_Click({start-rdp})
$power.add_Click({force-restart})
$managecomputer.add_Click({Manage-Computer})
$browse.add_Click({goto-c})
$lisrcomputergroups.add_Click({ADGroupsOfComp})
$sendping.add_Click({ping-t})
$listapps.add_Click({list-apps})
$killprocess.add_Click({Kill-Process})
$restartservice.add_Click({restartservice})
$updatepolicy.add_Click({update-policy})
```