//About This Script: This is a comprehensive error check. In the event navigation is interrupted this script will identify that it has and attempt to navigate back to the correct location on screen. This will also check to make sure the remote image is still visible to the text reader and if not, attempt to correct that issue. This will also correct itself if the user's account crashes.//

params LoginID, MenuOption, ReadScreenSearchRectangle, MoviesMenuLocationRectangle

//MenuOption Not Found
Set NavigationCheck = "OFF"
Log "Attempting to fix possible navigation error"
Repeat 2 Times
        //Black Screen Issue
        //Scenario: Black screen with remote visible
        If ImageFound(5, (Image:"NoVideoSignal", SearchRectangle:(392,212,837,324)))
                If ImageFound(5, "Remote-Power_Button")
                        MoveTo (Image: "Remote-Power_Button", WaitFor: 10)
                        Click (Image: "Remote-Power_Button", WaitFor: 10)
                        Wait 8
                        MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
                        Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
                        Wait 10
                        If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                                Set NavigationCheck = "ON"
                                Exit Repeat
                        End If
                End If
        End If
        //Scenario: Black screen with remote not visible
        If ImageFound(5, (Image:"NoVideoSignal", SearchRectangle:(392,212,837,324)))
                If ImageFound(5, "Remote-Power_Button") = No
                        If ImageFound(5, (Image:"Remote Toggle On_Off", SearchRectangle:(656,64,1030,228)))
                                Click(Image:"Remote Toggle On_Off", SearchRectangle:(656,64,1030,228))
                                Wait 2
                                MoveTo (Image: "Remote-Power_Button", WaitFor: 10)
                                Click (Image: "Remote-Power_Button", WaitFor: 10)
                                Wait 8
                                MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
                                Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
                                Wait 10
                                If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                                        Set NavigationCheck = "ON"

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                            Exit Repeat
                        End If
                    End If
                End If
End If

//Reconnect Issue
//Scenario: Check for Reconnect issues, tv off and remote visible
If ImageFound(5, (Image:"Reconnect_ErrorButton", SearchRectangle:(387,386,1048,655)))
        Click(Image:"Reconnect_ErrorButton", SearchRectangle:(387,386,1048,655))
        Wait 20
        If ImageFound(5, (Image:"NoVideoSignal", SearchRectangle:(392,212,837,324)))
                If ImageFound(5, "Remote-Power_Button")
                        MoveTo (Image: "Remote-Power_Button", WaitFor: 10)
                        Click (Image: "Remote-Power_Button", WaitFor: 10)
                        Wait 8
                        MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
                        Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
                        Wait 10
                        If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                                Set NavigationCheck = "ON"
                                Exit Repeat
                        End If
                End If
        End If
        //Scenario: Check for Reconnect issues, tv off and remote not visible
        If ImageFound(5, "Remote-Power_Button") = No
                If ImageFound(5, (Image:"Remote Toggle On_Off", SearchRectangle:(656,64,1030,228)))
                        Click(Image:"Remote Toggle On_Off", SearchRectangle:(656,64,1030,228))
                        Wait 2
                        If ImageFound(5, "Remote-Power_Button")
                                MoveTo (Image: "Remote-Power_Button", WaitFor: 10)
                                Click (Image: "Remote-Power_Button", WaitFor: 10)
                                Wait 8
                                MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
                                Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
                                Wait 10
                                If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                                        Set NavigationCheck = "ON"
                                        Exit Repeat
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                                    End If
                            End If
                    End If
            End If
            //Scenario: Check for Reconnect issues, tv on and remote visible
            If ImageFound(5, (Image:"NoVideoSignal", SearchRectangle:(392,212,837,324))) = No
                    If ImageFound(5, "Remote-Power_Button")
                            MoveTo (Image: "Remote_Exit", WaitFor: 10)
                            Click (Image: "Remote_Exit", WaitFor: 10)
                            Wait 8
                            MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
                            Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
                            Wait 10
                            If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                                    Set NavigationCheck = "ON"
                                    Exit Repeat
                            End If
                    End If
            End If
    End If
    //Logged On Conflict
    //Scenario: Someone else logged on and kicked us out, tv on and remote detected
    If ImageFound(5, (Image:"LoggedIn_ConflictIndicator", SearchRectangle:(323,290,908,546)))
            Click(Image:"LoggedIn_ConflictIndicator", SearchRectangle:((315,278,915,557)))
            Wait 10
            If ImageFound(5, (Image:"NoVideoSignal", SearchRectangle:(392,212,837,324))) = No
                    If ImageFound(5, "Remote_Exit")
                            MoveTo (Image: "Remote_Exit", WaitFor: 10)
                            Click (Image: "Remote_Exit", WaitFor: 10)
                            Wait 8
                            MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
                            Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
                            Wait 10
                            If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                                    Set NavigationCheck = "ON"
                                    Exit Repeat
                            End If
                    End If
            End If
    End If
    //Scenario: Someone else logged on and kicked us out, tv off and remote detected
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If ImageFound(5, (Image:"NoVideoSignal", SearchRectangle:(392,212,837,324)))
        If ImageFound(5, "Remote-Power_Button")
                MoveTo (Image: "Remote-Power_Button", WaitFor: 10)
                Click (Image: "Remote-Power_Button", WaitFor: 10)
                Wait 8
                MoveTo (Image: "Remote_Exit", WaitFor: 10)
                Click (Image: "Remote_Exit", WaitFor: 10)
                Wait 8
                MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
                Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
                Wait 10
                If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                        Set NavigationCheck = "ON"
                        Exit Repeat
                End If
        End If
End If
//Scenario: Someone else logged on and kicked us out, remote not detected
If ImageFound(5, "Remote-Power_Button") = No
        If ImageFound(5, (Image:"Remote Toggle On_Off", SearchRectangle:(656,64,1030,228)))
                Click(Image:"Remote Toggle On_Off", SearchRectangle:(656,64,1030,228))
                Wait 2
                If ImageFound(5, "Remote_Exit")
                        MoveTo (Image: "Remote_Exit", WaitFor: 10)
                        Click (Image: "Remote_Exit", WaitFor: 10)
                        Wait 8
                        MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
                        Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
                        Wait 10
                        If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                                Set NavigationCheck = "ON"
                                Exit Repeat
                        End If
                End If
        End If
End If
End If
//If Menu Option not found
//Scenario: Menu option not found, tv on
If ImageFound(5, (Image:"NoVideoSignal", SearchRectangle:(392,212,837,324))) = No
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If ImageFound(5, "Remote_Exit")
        MoveTo (Image: "Remote_Exit", WaitFor: 10)
        Click (Image: "Remote_Exit", WaitFor: 10)
        Wait 8
        MoveTo(Image: "Remote-OnDemand_Button", WaitFor: 10)
        Click (Image: "Remote-OnDemand_Button", WaitFor: 10)
        Wait 10
        If ImageFound(10, (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle)))
                Set NavigationCheck = "ON"
                Exit Repeat
        End If
End If
End If
End Repeat
If  NavigationCheck = "ON"
        If MenuOption <> "All Movies (HD)" and MenuOption <> "All Movies (SD)"
                MoveTo (Text: "Movies", SearchRectangle:(ReadScreenSearchRectangle))
                -- set the x and y coordinates of the text location
                put the x of mouselocation() into xT
                put the y of mouselocation() into yT
                -- set up your button grid based on the size of the screen
                set x0 = "370"
                set x1 = "600"
                set x2 = "830"
                set y0 = "354"
                set y1 = "380"
                set y2 = "411"
                set y3 = "441"
                set y4 = "471"
                set y5 = "501"
                -- navigate to the "Movies" button based on location of text
                If xT > x1 then
                        MoveTo (Image: "Remote_RightArrow")
                        Click (Image: "Remote_RightArrow")
                        Wait 3
                End If
                if yT > y1 then
                        MoveTo (Image: "Remote_DownArrow")
                        Click (Image: "Remote_DownArrow")
                end if
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        if yT > y2 then
                MoveTo (Image: "Remote_DownArrow")
                Click (Image: "Remote_DownArrow")
        end if
        if yT > y3 then
                MoveTo (Image: "Remote_DownArrow")
                Click (Image: "Remote_DownArrow")
        end if
        if yT > y4 then
                MoveTo (Image: "Remote_DownArrow")
                Click (Image: "Remote_DownArrow")
        end if
        Wait 8
        MoveTo (Image: "Remote_Select")
        Click (Image: "Remote_Select")
        Wait 8
End If

If MenuOption = "All Movies (HD)" or MenuOption = "All Movies (SD)"
        If ImageFound(10, (Text: "Now In Theaters", SearchRectangle:(ReadScreenSearchRectangle)))
                MoveTo (Text: "Now In Theaters", SearchRectangle:(ReadScreenSearchRectangle))
        End If
        -- set the x and y coordinates of the text location
        put the x of mouselocation() into xT
        put the y of mouselocation() into yT
        -- set up your button grid based on the size of the screen
        set x0 = "370"
        set x1 = "600"
        set x2 = "830"
        set y0 = "354"
        set y1 = "380"
        set y2 = "411"
        set y3 = "441"
        set y4 = "471"
        set y5 = "501"
        -- navigate to the "Now In Theaters" button based on location of text
        If xT > x1 then
                MoveTo (Image: "Remote_RightArrow")
                Click (Image: "Remote_RightArrow")
                Wait 3
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        End If
        if yT > y1 then
                MoveTo (Image: "Remote_DownArrow")
                Click (Image: "Remote_DownArrow")
        end if
        if yT > y2 then
                MoveTo (Image: "Remote_DownArrow")
                Click (Image: "Remote_DownArrow")
        end if
        if yT > y3 then
                MoveTo (Image: "Remote_DownArrow")
                Click (Image: "Remote_DownArrow")
        end if
        if yT > y4 then
                MoveTo (Image: "Remote_DownArrow")
                Click (Image: "Remote_DownArrow")
        end if
        Wait 8
        MoveTo (Image: "Remote_Select")
        Click (Image: "Remote_Select")
        Wait 8
    End If
End If

return NavigationCheck
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