```powershell
 1  <#
 2    .SYNOPSIS
 3      The purpose of get a copy of the WVU Foundation's address book.
 4      It will be used to import into the HSC address book.
 5
 6    .PARAMETER WVUFAddressBookFile
 7      The output file generated by the program. It should not be
 8      changed from the default without also changing the value
 9      in the import file.
10
11    .NOTES
12      Written by: Jeff Brusoe
13      Last Updated: January 6, 2021
14  #>
15
16  [CmdletBinding()]
17  param (
18    [ValidateNotNullOrEmpty()]
19    [string]$WVUFAddressBookFile = "$PSScriptRoot\Logs\" +
20                  (Get-Date -Format yyyy-MM-dd) +
21                  "-WVUFAddressBook.csv"
22  )
23
24  #Configure environment
25  try {
26    Set-HSCEnvironment -ErrorAction Stop
27
28    Write-Output "Connecting to WVUFoundation Tenant"
29    Connect-WVUFoundationExchangeOnline -ErrorAction Stop
30
31    New-Item $WVUFAddressBookFile -Type file -Force -ErrorAction Stop
32  }
33  catch {
34    Write-Warning "Unable to configure environment"
35    Invoke-HSCExitCommand -ErrorCount $Error.Count
36  }
37
38  try {
39    Write-Output "Generating list of WVUF Mailboxes"
40    $WVUFRecipients = Get-Recipient -identity "*" -Resultsize Unlimited |
41        Where-Object {$_.PrimarySMTPAddress -like "*@wvuf.org*"}
42  }
43  catch {
44    Write-Warning "Unable to generate list of WVUF Recipients"
45    Invoke-HSCExitCommand -ErrorCount $Error.Count
46  }
47
48  foreach ($WVUFRecipient in $WVUFRecipients)
49  {
50    Write-Output $("WVUF Alias: " + $WVUFRecipient.Alias)
51    Write-Output $("WVUF Primary SMTP Address: " + $WVUFRecipient.PrimarySMTPAddress)
52
53    if (([string]::IsNullOrEmpty($WVUFRecipient.LastName)) -OR
54      ([string]::IsNullOrEmpty($WVUFRecipient.FirstName)))
55    {
56      #Skip if first or last name is missing
57
58      if ([string]::IsNullOrEmpty($WVUFRecipient.LastName)) {
59        Write-Output "Skipping mailbox because of missing last name"
60      }
```

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61        else {
62          Write-Output "Skipping mailbox because of missing last name"
63        }
64      }
65    elseif ($WVUFRecipient.DisplayName.toLower().IndexOf("test") -ge 0) {
66        Write-Output "Test account - Skipping"
67    }
68    elseif ($WVUFRecipient.PrimarySMTPAddress -like "*onmicrosoft.com*") {
69        Write-Output "Invalid primary SMTP address. Account is not being imported."
70    }
71    else {
72        $PrimarySMTPAddress = $WVUFRecipient.PrimarySMTPAddress
73        Write-Output "Primary SMTP Address: $PrimarySMTPAddress"
74
75        $Properties = @(
76          "DisplayName",
77          "FirstName",
78          "LastName",
79          "Title",
80          "Department",
81          "Phone",
82          "PrimarySMTPAddress",
83          "Alias",
84          "WhenChanged",
85          "HiddenFromAddressListsEnabled"
86        )
87
88        $WVUFRecipient |
89          Select-Object -Property $Properties |
90          Export-Csv $WVUFAddressBookFile -Append -NoTypeInformation
91    }
92
93    Write-Output "*************************"
94 }
95
96 Invoke-HSCExitCommand -ErrorCount $Error.Count
```