```
Function validateEntireForm
    Set isValid to true

    // PERSONAL INFORMATION SECTION
    If First Name is invalid
        Show error message
        Set isValid to false
    End If

    If Last Name is invalid
        Show error message
        Set isValid to false
    End If

    If Middle Initial is invalid
        Show error message
        Set isValid to false
    End If

    If Date of Birth is invalid
        Show error message
        Set isValid to false
    End If

    If SSN is invalid
        Show error message
        Set isValid to false
    End If

    If Gender is not selected
        Show error message
        Set isValid to false
    End If

    // CONTACT INFORMATION SECTION
    If Address Line 1 is invalid
        Show error message
        Set isValid to false
    End If

    If City is invalid
        Show error message
        Set isValid to false
    End If
```

If State is not selected
   Show error message
   Set isValid to false
End If

If Zip Code is invalid
   Show error message
   Set isValid to false
End If

If Phone Number is invalid
   Show error message
   Set isValid to false
End If

If Email is invalid
   Show error message
   Set isValid to false
End If

// INSURANCE SECTION
If Insurance Provider is not selected
   Show error message
   Set isValid to false
End If

If Vaccination Status is not selected
   Show error message
   Set isValid to false
End If

// USER ACCOUNT SECTION
If User ID is invalid
   Show error message
   Set isValid to false
End If

If Password is invalid
   Show error message
   Set isValid to false
End If

If Confirm Password does not match Password
   Show error message
   Set isValid to false
End If

// FINAL RESULT

```
        If isValid is true
            Return true (form is valid)
        Else
            Return false (form has errors)
        End If
End Function
```

```
ONCLICK validateButton:
    PREVENT default form submission

    CALL validateEntireForm() AND STORE RESULT IN isFormValid

    IF isFormValid IS true
        SHOW alert: "Form submitted successfully!"
        REDIRECT to thankyou.html
    ELSE
        SHOW alert: "Please correct the errors in the form before submitting."
    END IF
```

More Pseudocode for validateEmail() Function:

```
FUNCTION validateEmail
    GET value of email input field AND STORE IN email
    GET the associated error message element

    // Define a regular expression for valid email format
    SET emailPattern TO /^[^\s@]+@[^\s@]+\.[^\s@]+$/

    IF email IS empty
        DISPLAY "Email is required." in error message element
        RETURN false

    ELSE IF email DOES NOT match emailPattern
        DISPLAY "Please enter a valid email address." in error message element
        RETURN false

    ELSE
        CLEAR the error message (set to empty string)
        RETURN true  // Email is valid
    END IF
END FUNCTION
```