





[illegible]

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```

authorId: user.id,
authorName: user.name ?',
country: user.country ?idValue: user.country()
})

const validAge =
  valid,
  error: VALIDATION_ERROR,
  isValid: user.valid,
  display: 'Age: ' + user.age
})

// Minimum = 18, maximum = 120
const minAge = 18,
const maxAge = 120
const validAge = (age) => {
  if (age < minAge || age > maxAge) {
    return {
      isValid: false,
      error: 'Age must be between 18 and 120',
      display: 'Age: ' + user.age
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Age: ' + user.age
  }
}

// Country
const validCountry = (country) => {
  if (country === null || country === '') {
    return {
      isValid: false,
      error: 'Country is required',
      display: 'Country: ' + user.country
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Country: ' + user.country
  }
}

// Email
const validEmail = (email) => {
  if (email === null || email === '') {
    return {
      isValid: false,
      error: 'Email is required',
      display: 'Email: ' + user.email
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Email: ' + user.email
  }
}

// Password
const validPassword = (password) => {
  if (password === null || password === '') {
    return {
      isValid: false,
      error: 'Password is required',
      display: 'Password: ' + user.password
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Password: ' + user.password
  }
}

// Full Name
const validFullName = (fullName) => {
  if (fullName === null || fullName === '') {
    return {
      isValid: false,
      error: 'Full Name is required',
      display: 'Full Name: ' + user.fullName
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Full Name: ' + user.fullName
  }
}

// Address
const validAddress = (address) => {
  if (address === null || address === '') {
    return {
      isValid: false,
      error: 'Address is required',
      display: 'Address: ' + user.address
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Address: ' + user.address
  }
}

// Phone Number
const validPhoneNumber = (phoneNumber) => {
  if (phoneNumber === null || phoneNumber === '') {
    return {
      isValid: false,
      error: 'Phone Number is required',
      display: 'Phone Number: ' + user.phoneNumber
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Phone Number: ' + user.phoneNumber
  }
}

// Date of Birth
const validDateOfBirth = (dateOfBirth) => {
  if (dateOfBirth === null || dateOfBirth === '') {
    return {
      isValid: false,
      error: 'Date of Birth is required',
      display: 'Date of Birth: ' + user.dateOfBirth
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Date of Birth: ' + user.dateOfBirth
  }
}

// Gender
const validGender = (gender) => {
  if (gender === null || gender === '') {
    return {
      isValid: false,
      error: 'Gender is required',
      display: 'Gender: ' + user.gender
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Gender: ' + user.gender
  }
}

// Marital Status
const validMaritalStatus = (maritalStatus) => {
  if (maritalStatus === null || maritalStatus === '') {
    return {
      isValid: false,
      error: 'Marital Status is required',
      display: 'Marital Status: ' + user.maritalStatus
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Marital Status: ' + user.maritalStatus
  }
}

// Education
const validEducation = (education) => {
  if (education === null || education === '') {
    return {
      isValid: false,
      error: 'Education is required',
      display: 'Education: ' + user.education
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Education: ' + user.education
  }
}

// Employment
const validEmployment = (employment) => {
  if (employment === null || employment === '') {
    return {
      isValid: false,
      error: 'Employment is required',
      display: 'Employment: ' + user.employment
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Employment: ' + user.employment
  }
}

// Income
const validIncome = (income) => {
  if (income === null || income === '') {
    return {
      isValid: false,
      error: 'Income is required',
      display: 'Income: ' + user.income
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Income: ' + user.income
  }
}

// Assets
const validAssets = (assets) => {
  if (assets === null || assets === '') {
    return {
      isValid: false,
      error: 'Assets are required',
      display: 'Assets: ' + user.assets
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Assets: ' + user.assets
  }
}

// Liabilities
const validLiabilities = (liabilities) => {
  if (liabilities === null || liabilities === '') {
    return {
      isValid: false,
      error: 'Liabilities are required',
      display: 'Liabilities: ' + user.liabilities
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Liabilities: ' + user.liabilities
  }
}

// Credit History
const validCreditHistory = (creditHistory) => {
  if (creditHistory === null || creditHistory === '') {
    return {
      isValid: false,
      error: 'Credit History is required',
      display: 'Credit History: ' + user.creditHistory
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Credit History: ' + user.creditHistory
  }
}

// Social Security Number
const validSocialSecurityNumber = (socialSecurityNumber) => {
  if (socialSecurityNumber === null || socialSecurityNumber === '') {
    return {
      isValid: false,
      error: 'Social Security Number is required',
      display: 'Social Security Number: ' + user.socialSecurityNumber
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Social Security Number: ' + user.socialSecurityNumber
  }
}

// Driver's License
const validDriversLicense = (driversLicense) => {
  if (driversLicense === null || driversLicense === '') {
    return {
      isValid: false,
      error: 'Driver's License is required',
      display: 'Driver's License: ' + user.driversLicense
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Driver's License: ' + user.driversLicense
  }
}

// Passport
const validPassport = (passport) => {
  if (passport === null || passport === '') {
    return {
      isValid: false,
      error: 'Passport is required',
      display: 'Passport: ' + user.passport
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Passport: ' + user.passport
  }
}

// Visa
const validVisa = (visa) => {
  if (visa === null || visa === '') {
    return {
      isValid: false,
      error: 'Visa is required',
      display: 'Visa: ' + user.visa
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Visa: ' + user.visa
  }
}

// Travel History
const validTravelHistory = (travelHistory) => {
  if (travelHistory === null || travelHistory === '') {
    return {
      isValid: false,
      error: 'Travel History is required',
      display: 'Travel History: ' + user.travelHistory
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Travel History: ' + user.travelHistory
  }
}

// Vaccination Record
const validVaccinationRecord = (vaccinationRecord) => {
  if (vaccinationRecord === null || vaccinationRecord === '') {
    return {
      isValid: false,
      error: 'Vaccination Record is required',
      display: 'Vaccination Record: ' + user.vaccinationRecord
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Vaccination Record: ' + user.vaccinationRecord
  }
}

// Medical History
const validMedicalHistory = (medicalHistory) => {
  if (medicalHistory === null || medicalHistory === '') {
    return {
      isValid: false,
      error: 'Medical History is required',
      display: 'Medical History: ' + user.medicalHistory
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Medical History: ' + user.medicalHistory
  }
}

// Allergies
const validAllergies = (allergies) => {
  if (allergies === null || allergies === '') {
    return {
      isValid: false,
      error: 'Allergies are required',
      display: 'Allergies: ' + user.allergies
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Allergies: ' + user.allergies
  }
}

// Chronic Conditions
const validChronicConditions = (chronicConditions) => {
  if (chronicConditions === null || chronicConditions === '') {
    return {
      isValid: false,
      error: 'Chronic Conditions are required',
      display: 'Chronic Conditions: ' + user.chronicConditions
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Chronic Conditions: ' + user.chronicConditions
  }
}

// Mental Health
const validMentalHealth = (mentalHealth) => {
  if (mentalHealth === null || mentalHealth === '') {
    return {
      isValid: false,
      error: 'Mental Health is required',
      display: 'Mental Health: ' + user.mentalHealth
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Mental Health: ' + user.mentalHealth
  }
}

// Substance Use
const validSubstanceUse = (substanceUse) => {
  if (substanceUse === null || substanceUse === '') {
    return {
      isValid: false,
      error: 'Substance Use is required',
      display: 'Substance Use: ' + user.substanceUse
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Substance Use: ' + user.substanceUse
  }
}

// Pain Management
const validPainManagement = (painManagement) => {
  if (painManagement === null || painManagement === '') {
    return {
      isValid: false,
      error: 'Pain Management is required',
      display: 'Pain Management: ' + user.painManagement
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Pain Management: ' + user.painManagement
  }
}

// Physical Therapy
const validPhysicalTherapy = (physicalTherapy) => {
  if (physicalTherapy === null || physicalTherapy === '') {
    return {
      isValid: false,
      error: 'Physical Therapy is required',
      display: 'Physical Therapy: ' + user.physicalTherapy
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Physical Therapy: ' + user.physicalTherapy
  }
}

// Occupational Therapy
const validOccupationalTherapy = (occupationalTherapy) => {
  if (occupationalTherapy === null || occupationalTherapy === '') {
    return {
      isValid: false,
      error: 'Occupational Therapy is required',
      display: 'Occupational Therapy: ' + user.occupationalTherapy
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Occupational Therapy: ' + user.occupationalTherapy
  }
}

// Speech Therapy
const validSpeechTherapy = (speechTherapy) => {
  if (speechTherapy === null || speechTherapy === '') {
    return {
      isValid: false,
      error: 'Speech Therapy is required',
      display: 'Speech Therapy: ' + user.speechTherapy
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Speech Therapy: ' + user.speechTherapy
  }
}

// Cognitive Behavioral Therapy
const validCognitiveBehavioralTherapy = (cognitiveBehavioralTherapy) => {
  if (cognitiveBehavioralTherapy === null || cognitiveBehavioralTherapy === '') {
    return {
      isValid: false,
      error: 'Cognitive Behavioral Therapy is required',
      display: 'Cognitive Behavioral Therapy: ' + user.cognitiveBehavioralTherapy
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Cognitive Behavioral Therapy: ' + user.cognitiveBehavioralTherapy
  }
}

// Mindfulness-Based Stress Reduction
const validMindfulnessBasedStressReduction = (mindfulnessBasedStressReduction) => {
  if (mindfulnessBasedStressReduction === null || mindfulnessBasedStressReduction === '') {
    return {
      isValid: false,
      error: 'Mindfulness-Based Stress Reduction is required',
      display: 'Mindfulness-Based Stress Reduction: ' + user.mindfulnessBasedStressReduction
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Mindfulness-Based Stress Reduction: ' + user.mindfulnessBasedStressReduction
  }
}

// Transcranial Magnetic Stimulation
const validTranscranialMagneticStimulation = (transcranialMagneticStimulation) => {
  if (transcranialMagneticStimulation === null || transcranialMagneticStimulation === '') {
    return {
      isValid: false,
      error: 'Transcranial Magnetic Stimulation is required',
      display: 'Transcranial Magnetic Stimulation: ' + user.transcranialMagneticStimulation
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Transcranial Magnetic Stimulation: ' + user.transcranialMagneticStimulation
  }
}

// Deep Brain Stimulation
const validDeepBrainStimulation = (deepBrainStimulation) => {
  if (deepBrainStimulation === null || deepBrainStimulation === '') {
    return {
      isValid: false,
      error: 'Deep Brain Stimulation is required',
      display: 'Deep Brain Stimulation: ' + user.deepBrainStimulation
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Deep Brain Stimulation: ' + user.deepBrainStimulation
  }
}

// Vagus Nerve Stimulation
const validVagusNerveStimulation = (vagusNerveStimulation) => {
  if (vagusNerveStimulation === null || vagusNerveStimulation === '') {
    return {
      isValid: false,
      error: 'Vagus Nerve Stimulation is required',
      display: 'Vagus Nerve Stimulation: ' + user.vagusNerveStimulation
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Vagus Nerve Stimulation: ' + user.vagusNerveStimulation
  }
}

// Spinal Cord Stimulation
const validSpinalCordStimulation = (spinalCordStimulation) => {
  if (spinalCordStimulation === null || spinalCordStimulation === '') {
    return {
      isValid: false,
      error: 'Spinal Cord Stimulation is required',
      display: 'Spinal Cord Stimulation: ' + user.spinalCordStimulation
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Spinal Cord Stimulation: ' + user.spinalCordStimulation
  }
}

// Botulinum Toxin Injections
const validBotulinumToxinInjections = (botulinumToxinInjections) => {
  if (botulinumToxinInjections === null || botulinumToxinInjections === '') {
    return {
      isValid: false,
      error: 'Botulinum Toxin Injections are required',
      display: 'Botulinum Toxin Injections: ' + user.botulinumToxinInjections
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Botulinum Toxin Injections: ' + user.botulinumToxinInjections
  }
}

// Deep Tissue Massage
const validDeepTissueMassage = (deepTissueMassage) => {
  if (deepTissueMassage === null || deepTissueMassage === '') {
    return {
      isValid: false,
      error: 'Deep Tissue Massage is required',
      display: 'Deep Tissue Massage: ' + user.deepTissueMassage
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Deep Tissue Massage: ' + user.deepTissueMassage
  }
}

// Swedish Massage
const validSwedishMassage = (swedishMassage) => {
  if (swedishMassage === null || swedishMassage === '') {
    return {
      isValid: false,
      error: 'Swedish Massage is required',
      display: 'Swedish Massage: ' + user.swedishMassage
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Swedish Massage: ' + user.swedishMassage
  }
}

// Trigger Point Therapy
const validTriggerPointTherapy = (triggerPointTherapy) => {
  if (triggerPointTherapy === null || triggerPointTherapy === '') {
    return {
      isValid: false,
      error: 'Trigger Point Therapy is required',
      display: 'Trigger Point Therapy: ' + user.triggerPointTherapy
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Trigger Point Therapy: ' + user.triggerPointTherapy
  }
}

// Myofascial Release
const validMyofascialRelease = (myofascialRelease) => {
  if (myofascialRelease === null || myofascialRelease === '') {
    return {
      isValid: false,
      error: 'Myofascial Release is required',
      display: 'Myofascial Release: ' + user.myofascialRelease
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Myofascial Release: ' + user.myofascialRelease
  }
}

// Joint Mobilization
const validJointMobilization = (jointMobilization) => {
  if (jointMobilization === null || jointMobilization === '') {
    return {
      isValid: false,
      error: 'Joint Mobilization is required',
      display: 'Joint Mobilization: ' + user.jointMobilization
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Joint Mobilization: ' + user.jointMobilization
  }
}

// Manual Therapy
const validManualTherapy = (manualTherapy) => {
  if (manualTherapy === null || manualTherapy === '') {
    return {
      isValid: false,
      error: 'Manual Therapy is required',
      display: 'Manual Therapy: ' + user.manualTherapy
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Manual Therapy: ' + user.manualTherapy
  }
}

// Chiropractic
const validChiropractic = (chiropractic) => {
  if (chiropractic === null || chiropractic === '') {
    return {
      isValid: false,
      error: 'Chiropractic is required',
      display: 'Chiropractic: ' + user.chiropractic
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Chiropractic: ' + user.chiropractic
  }
}

// Acupuncture
const validAcupuncture = (acupuncture) => {
  if (acupuncture === null || acupuncture === '') {
    return {
      isValid: false,
      error: 'Acupuncture is required',
      display: 'Acupuncture: ' + user.acupuncture
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Acupuncture: ' + user.acupuncture
  }
}

// Tai Chi
const validTaiChi = (taiChi) => {
  if (taiChi === null || taiChi === '') {
    return {
      isValid: false,
      error: 'Tai Chi is required',
      display: 'Tai Chi: ' + user.taiChi
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Tai Chi: ' + user.taiChi
  }
}

// Qigong
const validQigong = (qigong) => {
  if (qigong === null || qigong === '') {
    return {
      isValid: false,
      error: 'Qigong is required',
      display: 'Qigong: ' + user.qigong
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Qigong: ' + user.qigong
  }
}

// Yoga
const validYoga = (yoga) => {
  if (yoga === null || yoga === '') {
    return {
      isValid: false,
      error: 'Yoga is required',
      display: 'Yoga: ' + user.yoga
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Yoga: ' + user.yoga
  }
}

// Pilates
const validPilates = (pilates) => {
  if (pilates === null || pilates === '') {
    return {
      isValid: false,
      error: 'Pilates is required',
      display: 'Pilates: ' + user.pilates
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Pilates: ' + user.pilates
  }
}

// PNF
const validPNF = (pnf) => {
  if (pnf === null || pnf === '') {
    return {
      isValid: false,
      error: 'PNF is required',
      display: 'PNF: ' + user.pnf
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'PNF: ' + user.pnf
  }
}

// PRT
const validPRT = (prt) => {
  if (prt === null || prt === '') {
    return {
      isValid: false,
      error: 'PRT is required',
      display: 'PRT: ' + user.prt
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'PRT: ' + user.prt
  }
}

// Rood
const validRood = (rood) => {
  if (rood === null || rood === '') {
    return {
      isValid: false,
      error: 'Rood is required',
      display: 'Rood: ' + user.rood
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Rood: ' + user.rood
  }
}

// Brunnstrom
const validBrunstrom = (brunnstrom) => {
  if (brunnstrom === null || brunnstrom === '') {
    return {
      isValid: false,
      error: 'Brunstrom is required',
      display: 'Brunstrom: ' + user.brunstrom
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Brunstrom: ' + user.brunstrom
  }
}

// Bobath
const validBobath = (bobath) => {
  if (bobath === null || bobath === '') {
    return {
      isValid: false,
      error: 'Bobath is required',
      display: 'Bobath: ' + user.bobath
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Bobath: ' + user.bobath
  }
}

// FIM
const validFIM = (fim) => {
  if (fim === null || fim === '') {
    return {
      isValid: false,
      error: 'FIM is required',
      display: 'FIM: ' + user.fim
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'FIM: ' + user.fim
  }
}

// Barthel ADL
const validBarthelADL = (barthelADL) => {
  if (barthelADL === null || barthelADL === '') {
    return {
      isValid: false,
      error: 'Barthel ADL is required',
      display: 'Barthel ADL: ' + user.barthelADL
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Barthel ADL: ' + user.barthelADL
  }
}

// Lawton IADL
const validLawtonIADL = (lawtonIADL) => {
  if (lawtonIADL === null || lawtonIADL === '') {
    return {
      isValid: false,
      error: 'Lawton IADL is required',
      display: 'Lawton IADL: ' + user.lawtonIADL
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Lawton IADL: ' + user.lawtonIADL
  }
}

// SPPB
const validSPPB = (sppb) => {
  if (sppb === null || sppb === '') {
    return {
      isValid: false,
      error: 'SPPB is required',
      display: 'SPPB: ' + user.sppb
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'SPPB: ' + user.sppb
  }
}

// TUG
const validTUG = (tug) => {
  if (tug === null || tug === '') {
    return {
      isValid: false,
      error: 'TUG is required',
      display: 'TUG: ' + user.tug
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'TUG: ' + user.tug
  }
}

// 6MWT
const valid6MWT = (6mwt) => {
  if (6mwt === null || 6mwt === '') {
    return {
      isValid: false,
      error: '6MWT is required',
      display: '6MWT: ' + user.6mwt
    }
  }
  return {
    isValid: true,
    error: null,
    display: '6MWT: ' + user.6mwt
  }
}

// 25FTWT
const valid25FTWT = (25ftwt) => {
  if (25ftwt === null || 25ftwt === '') {
    return {
      isValid: false,
      error: '25FTWT is required',
      display: '25FTWT: ' + user.25ftwt
    }
  }
  return {
    isValid: true,
    error: null,
    display: '25FTWT: ' + user.25ftwt
  }
}

// Timed Up and Go
const validTimedUpAndGo = (timedUpAndGo) => {
  if (timedUpAndGo === null || timedUpAndGo === '') {
    return {
      isValid: false,
      error: 'Timed Up and Go is required',
      display: 'Timed Up and Go: ' + user.timedUpAndGo
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Timed Up and Go: ' + user.timedUpAndGo
  }
}

// Berg Balance Scale
const validBergBalanceScale = (bergBalanceScale) => {
  if (bergBalanceScale === null || bergBalanceScale === '') {
    return {
      isValid: false,
      error: 'Berg Balance Scale is required',
      display: 'Berg Balance Scale: ' + user.bergBalanceScale
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Berg Balance Scale: ' + user.bergBalanceScale
  }
}

// Fugl-Meyer Assessment
const validFuglMeyerAssessment = (fuglMeyerAssessment) => {
  if (fuglMeyerAssessment === null || fuglMeyerAssessment === '') {
    return {
      isValid: false,
      error: 'Fugl-Meyer Assessment is required',
      display: 'Fugl-Meyer Assessment: ' + user.fuglMeyerAssessment
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Fugl-Meyer Assessment: ' + user.fuglMeyerAssessment
  }
}

// Mini-Mental State Exam
const validMiniMentalStateExam = (miniMentalStateExam) => {
  if (miniMentalStateExam === null || miniMentalStateExam === '') {
    return {
      isValid: false,
      error: 'Mini-Mental State Exam is required',
      display: 'Mini-Mental State Exam: ' + user.miniMentalStateExam
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Mini-Mental State Exam: ' + user.miniMentalStateExam
  }
}

// Montreal Cognitive Assessment
const validMontrealCognitiveAssessment = (montrealCognitiveAssessment) => {
  if (montrealCognitiveAssessment === null || montrealCognitiveAssessment === '') {
    return {
      isValid: false,
      error: 'Montreal Cognitive Assessment is required',
      display: 'Montreal Cognitive Assessment: ' + user.montrealCognitiveAssessment
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Montreal Cognitive Assessment: ' + user.montrealCognitiveAssessment
  }
}

// Clock Drawing Test
const validClockDrawingTest = (clockDrawingTest) => {
  if (clockDrawingTest === null || clockDrawingTest === '') {
    return {
      isValid: false,
      error: 'Clock Drawing Test is required',
      display: 'Clock Drawing Test: ' + user.clockDrawingTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Clock Drawing Test: ' + user.clockDrawingTest
  }
}

// Trail Making Test
const validTrailMakingTest = (trailMakingTest) => {
  if (trailMakingTest === null || trailMakingTest === '') {
    return {
      isValid: false,
      error: 'Trail Making Test is required',
      display: 'Trail Making Test: ' + user.trailMakingTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Trail Making Test: ' + user.trailMakingTest
  }
}

// Stroop Test
const validStroopTest = (stroopTest) => {
  if (stroopTest === null || stroopTest === '') {
    return {
      isValid: false,
      error: 'Stroop Test is required',
      display: 'Stroop Test: ' + user.stroopTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Stroop Test: ' + user.stroopTest
  }
}

// Digit Span Test
const validDigitSpanTest = (digitSpanTest) => {
  if (digitSpanTest === null || digitSpanTest === '') {
    return {
      isValid: false,
      error: 'Digit Span Test is required',
      display: 'Digit Span Test: ' + user.digitSpanTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Digit Span Test: ' + user.digitSpanTest
  }
}

// Block Design Test
const validBlockDesignTest = (blockDesignTest) => {
  if (blockDesignTest === null || blockDesignTest === '') {
    return {
      isValid: false,
      error: 'Block Design Test is required',
      display: 'Block Design Test: ' + user.blockDesignTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Block Design Test: ' + user.blockDesignTest
  }
}

// Matrix Reasoning Test
const validMatrixReasoningTest = (matrixReasoningTest) => {
  if (matrixReasoningTest === null || matrixReasoningTest === '') {
    return {
      isValid: false,
      error: 'Matrix Reasoning Test is required',
      display: 'Matrix Reasoning Test: ' + user.matrixReasoningTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Matrix Reasoning Test: ' + user.matrixReasoningTest
  }
}

// Verbal Reasoning Test
const validVerbalReasoningTest = (verbalReasoningTest) => {
  if (verbalReasoningTest === null || verbalReasoningTest === '') {
    return {
      isValid: false,
      error: 'Verbal Reasoning Test is required',
      display: 'Verbal Reasoning Test: ' + user.verbalReasoningTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Verbal Reasoning Test: ' + user.verbalReasoningTest
  }
}

// Spatial Reasoning Test
const validSpatialReasoningTest = (spatialReasoningTest) => {
  if (spatialReasoningTest === null || spatialReasoningTest === '') {
    return {
      isValid: false,
      error: 'Spatial Reasoning Test is required',
      display: 'Spatial Reasoning Test: ' + user.spatialReasoningTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Spatial Reasoning Test: ' + user.spatialReasoningTest
  }
}

// Abstract Reasoning Test
const validAbstractReasoningTest = (abstractReasoningTest) => {
  if (abstractReasoningTest === null || abstractReasoningTest === '') {
    return {
      isValid: false,
      error: 'Abstract Reasoning Test is required',
      display: 'Abstract Reasoning Test: ' + user.abstractReasoningTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Abstract Reasoning Test: ' + user.abstractReasoningTest
  }
}

// Fluid Reasoning Test
const validFluidReasoningTest = (fluidReasoningTest) => {
  if (fluidReasoningTest === null || fluidReasoningTest === '') {
    return {
      isValid: false,
      error: 'Fluid Reasoning Test is required',
      display: 'Fluid Reasoning Test: ' + user.fluidReasoningTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Fluid Reasoning Test: ' + user.fluidReasoningTest
  }
}

// Crystalline Reasoning Test
const validCrystallineReasoningTest = (crystallineReasoningTest) => {
  if (crystallineReasoningTest === null || crystallineReasoningTest === '') {
    return {
      isValid: false,
      error: 'Crystalline Reasoning Test is required',
      display: 'Crystalline Reasoning Test: ' + user.crystallineReasoningTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Crystalline Reasoning Test: ' + user.crystallineReasoningTest
  }
}

// Executive Function Test
const validExecutiveFunctionTest = (executiveFunctionTest) => {
  if (executiveFunctionTest === null || executiveFunctionTest === '') {
    return {
      isValid: false,
      error: 'Executive Function Test is required',
      display: 'Executive Function Test: ' + user.executiveFunctionTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Executive Function Test: ' + user.executiveFunctionTest
  }
}

// Inhibition Test
const validInhibitionTest = (inhibitionTest) => {
  if (inhibitionTest === null || inhibitionTest === '') {
    return {
      isValid: false,
      error: 'Inhibition Test is required',
      display: 'Inhibition Test: ' + user.inhibitionTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Inhibition Test: ' + user.inhibitionTest
  }
}

// Working Memory Test
const validWorkingMemoryTest = (workingMemoryTest) => {
  if (workingMemoryTest === null || workingMemoryTest === '') {
    return {
      isValid: false,
      error: 'Working Memory Test is required',
      display: 'Working Memory Test: ' + user.workingMemoryTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Working Memory Test: ' + user.workingMemoryTest
  }
}

// Attention Test
const validAttentionTest = (attentionTest) => {
  if (attentionTest === null || attentionTest === '') {
    return {
      isValid: false,
      error: 'Attention Test is required',
      display: 'Attention Test: ' + user.attentionTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Attention Test: ' + user.attentionTest
  }
}

// Processing Speed Test
const validProcessingSpeedTest = (processingSpeedTest) => {
  if (processingSpeedTest === null || processingSpeedTest === '') {
    return {
      isValid: false,
      error: 'Processing Speed Test is required',
      display: 'Processing Speed Test: ' + user.processingSpeedTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Processing Speed Test: ' + user.processingSpeedTest
  }
}

// Perceptual-Motor Skills Test
const validPerceptualMotorSkillsTest = (perceptualMotorSkillsTest) => {
  if (perceptualMotorSkillsTest === null || perceptualMotorSkillsTest === '') {
    return {
      isValid: false,
      error: 'Perceptual-Motor Skills Test is required',
      display: 'Perceptual-Motor Skills Test: ' + user.perceptualMotorSkillsTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Perceptual-Motor Skills Test: ' + user.perceptualMotorSkillsTest
  }
}

// Fine Motor Skills Test
const validFineMotorSkillsTest = (fineMotorSkillsTest) => {
  if (fineMotorSkillsTest === null || fineMotorSkillsTest === '') {
    return {
      isValid: false,
      error: 'Fine Motor Skills Test is required',
      display: 'Fine Motor Skills Test: ' + user.fineMotorSkillsTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Fine Motor Skills Test: ' + user.fineMotorSkillsTest
  }
}

// Gross Motor Skills Test
const validGrossMotorSkillsTest = (grossMotorSkillsTest) => {
  if (grossMotorSkillsTest === null || grossMotorSkillsTest === '') {
    return {
      isValid: false,
      error: 'Gross Motor Skills Test is required',
      display: 'Gross Motor Skills Test: ' + user.grossMotorSkillsTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Gross Motor Skills Test: ' + user.grossMotorSkillsTest
  }
}

// Balance Test
const validBalanceTest = (balanceTest) => {
  if (balanceTest === null || balanceTest === '') {
    return {
      isValid: false,
      error: 'Balance Test is required',
      display: 'Balance Test: ' + user.balanceTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Balance Test: ' + user.balanceTest
  }
}

// Coordination Test
const validCoordinationTest = (coordinationTest) => {
  if (coordinationTest === null || coordinationTest === '') {
    return {
      isValid: false,
      error: 'Coordination Test is required',
      display: 'Coordination Test: ' + user.coordinationTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Coordination Test: ' + user.coordinationTest
  }
}

// Agility Test
const validAgilityTest = (agilityTest) => {
  if (agilityTest === null || agilityTest === '') {
    return {
      isValid: false,
      error: 'Agility Test is required',
      display: 'Agility Test: ' + user.agilityTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Agility Test: ' + user.agilityTest
  }
}

// Reaction Time Test
const validReactionTimeTest = (reactionTimeTest) => {
  if (reactionTimeTest === null || reactionTimeTest === '') {
    return {
      isValid: false,
      error: 'Reaction Time Test is required',
      display: 'Reaction Time Test: ' + user.reactionTimeTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Reaction Time Test: ' + user.reactionTimeTest
  }
}

// Endurance Test
const validEnduranceTest = (enduranceTest) => {
  if (enduranceTest === null || enduranceTest === '') {
    return {
      isValid: false,
      error: 'Endurance Test is required',
      display: 'Endurance Test: ' + user.enduranceTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Endurance Test: ' + user.enduranceTest
  }
}

// Strength Test
const validStrengthTest = (strengthTest) => {
  if (strengthTest === null || strengthTest === '') {
    return {
      isValid: false,
      error: 'Strength Test is required',
      display: 'Strength Test: ' + user.strengthTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Strength Test: ' + user.strengthTest
  }
}

// Flexibility Test
const validFlexibilityTest = (flexibilityTest) => {
  if (flexibilityTest === null || flexibilityTest === '') {
    return {
      isValid: false,
      error: 'Flexibility Test is required',
      display: 'Flexibility Test: ' + user.flexibilityTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Flexibility Test: ' + user.flexibilityTest
  }
}

// Posture Test
const validPostureTest = (postureTest) => {
  if (postureTest === null || postureTest === '') {
    return {
      isValid: false,
      error: 'Posture Test is required',
      display: 'Posture Test: ' + user.postureTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Posture Test: ' + user.postureTest
  }
}

// Gait Test
const validGaitTest = (gaitTest) => {
  if (gaitTest === null || gaitTest === '') {
    return {
      isValid: false,
      error: 'Gait Test is required',
      display: 'Gait Test: ' + user.gaitTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Gait Test: ' + user.gaitTest
  }
}

// Balance Gait Test
const validBalanceGaitTest = (balanceGaitTest) => {
  if (balanceGaitTest === null || balanceGaitTest === '') {
    return {
      isValid: false,
      error: 'Balance Gait Test is required',
      display: 'Balance Gait Test: ' + user.balanceGaitTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Balance Gait Test: ' + user.balanceGaitTest
  }
}

// Timed Gait Test
const validTimedGaitTest = (timedGaitTest) => {
  if (timedGaitTest === null || timedGaitTest === '') {
    return {
      isValid: false,
      error: 'Timed Gait Test is required',
      display: 'Timed Gait Test: ' + user.timedGaitTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: 'Timed Gait Test: ' + user.timedGaitTest
  }
}

// 10m Walk Test
const valid10mWalkTest = (10mWalkTest) => {
  if (10mWalkTest === null || 10mWalkTest === '') {
    return {
      isValid: false,
      error: '10m Walk Test is required',
      display: '10m Walk Test: ' + user.10mWalkTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: '10m Walk Test: ' + user.10mWalkTest
  }
}

// 40m Walk Test
const valid40mWalkTest = (40mWalkTest) => {
  if (40mWalkTest === null || 40mWalkTest === '') {
    return {
      isValid: false,
      error: '40m Walk Test is required',
      display: '40m Walk Test: ' + user.40mWalkTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: '40m Walk Test: ' + user.40mWalkTest
  }
}

// 6M Walk Test
const valid6MWalkTest = (6mWalkTest) => {
  if (6mWalkTest === null || 6mWalkTest === '') {
    return {
      isValid: false,
      error: '6M Walk Test is required',
      display: '6M Walk Test: ' + user.6mWalkTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: '6M Walk Test: ' + user.6mWalkTest
  }
}

// 10m Shuttle Walk Test
const valid10mShuttleWalkTest = (10mShuttleWalkTest) => {
  if (10mShuttleWalkTest === null || 10mShuttleWalkTest === '') {
    return {
      isValid: false,
      error: '10m Shuttle Walk Test is required',
      display: '10m Shuttle Walk Test: ' + user.10mShuttleWalkTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: '10m Shuttle Walk Test: ' + user.10mShuttleWalkTest
  }
}

// 40m Shuttle Walk Test
const valid40mShuttleWalkTest = (40mShuttleWalkTest) => {
  if (40mShuttleWalkTest === null || 40mShuttleWalkTest === '') {
    return {
      isValid: false,
      error: '40m Shuttle Walk Test is required',
      display: '40m Shuttle Walk Test: ' + user.40mShuttleWalkTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: '40m Shuttle Walk Test: ' + user.40mShuttleWalkTest
  }
}

// 6M Shuttle Walk Test
const valid6MShuttleWalkTest = (6mShuttleWalkTest) => {
  if (6mShuttleWalkTest === null || 6mShuttleWalkTest === '') {
    return {
      isValid: false,
      error: '6M Shuttle Walk Test is required',
      display: '6M Shuttle Walk Test: ' + user.6mShuttleWalkTest
    }
  }
  return {
    isValid: true,
    error: null,
    display: '6M Shuttle Walk Test: ' + user.6mShuttleWalkTest
  }
}

// Timed Shuttle Walk Test
const validTimedShuttleWalkTest = (timedShuttleWalkTest) => {
  if (timedShuttle
```

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