

CÓDIGO DO SIMULADOR DE CARTÃO

(VS CODE)

```
<!DOCTYPE html>
<html lang="pt-BR">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Validação de Usuário</title>
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome/6.5.0/css/all.min.css">
  <style>
    body {
      font-family: Arial, sans-serif;
      background: linear-gradient(135deg, #667eea, #764ba2);
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
    }

    .card-machine {
      background-color: #ffffff;
      border-radius: 15px;
      box-shadow: 0 8px 30px rgba(0, 0, 0, 0.2);
      width: 360px;
      padding: 25px;
      text-align: center;
      position: relative;
      overflow: hidden;
    }

    .card-slot {
      height: 8px;
      background-color: #333;
      margin-bottom: 20px;
      border-radius: 0 0 8px 8px;
      position: relative;
    }

    .card-slot::after {
      content: "";
      position: absolute;
      top: -50px;
      left: 50%;
      transform: translateX(-50%);
      width: 80px;
      height: 50px;
      background: linear-gradient(135deg, #ff6b6b, #feca57);
      border-radius: 5px;
      transition: top 0.5s ease;
    }
  </style>
</html>
```

```
.card-inserted .card-slot::after {  
  top: 0;  
}
```

```
.display {  
  background-color: #f1f1f1;  
  padding: 20px;  
  margin-bottom: 20px;  
  border-radius: 8px;  
  min-height: 70px;  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
  box-shadow: inset 0 0 10px rgba(0,0,0,0.1);  
}
```

```
.message {  
  margin-bottom: 10px;  
  font-weight: bold;  
  color: #333;  
}
```

```
.password-display {  
  letter-spacing: 4px;  
  font-size: 1.3em;  
  color: #555;  
}
```

```
.keypad {  
  display: grid;  
  grid-template-columns: repeat(3, 1fr);  
  gap: 12px;  
  margin-bottom: 15px;  
}
```

```
button {  
  padding: 15px;  
  font-size: 1.2em;  
  border: none;  
  border-radius: 8px;  
  cursor: pointer;  
  transition: transform 0.2s ease, box-shadow 0.2s ease;  
  font-weight: bold;  
  display: flex;  
  align-items: center;  
  justify-content: center;  
  gap: 5px;  
}
```

```
button:hover {  
  transform: translateY(-2px);  
  box-shadow: 0 4px 12px rgba(0,0,0,0.2);  
}
```

```
.number-btn {
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    background-color: #4f83cc;
    color: white;
}

.number-btn:hover {
    background-color: #3a66a3;
}

.action-btn {
    background-color: #28a745;
    color: white;
}

.action-btn:hover {
    background-color: #218838;
}

.cancel-btn {
    background-color: #dc3545;
    color: white;
}

.cancel-btn:hover {
    background-color: #c82333;
}

.blocked {
    pointer-events: none;
    opacity: 0.5;
    filter: grayscale(70%);
}

.shake {
    animation: shake 0.3s;
}

@keyframes shake {
    0% { transform: translateX(0); }
    25% { transform: translateX(-5px); }
    50% { transform: translateX(5px); }
    75% { transform: translateX(-5px); }
    100% { transform: translateX(0); }
}

.press {
    transform: scale(0.95);
}
</style>
</head>
<body>
<div class="card-machine">
  <div class="card-slot"></div>
  <div class="display">
    <div class="message">Por favor, insira seu cartão</div>
    <div class="password-display"></div>

```

```

</div>
<div class="keypad">
  <button class="number-btn" data-number="1"><i class="fas fa-1"></i></button>
  <button class="number-btn" data-number="2"><i class="fas fa-2"></i></button>
  <button class="number-btn" data-number="3"><i class="fas fa-3"></i></button>
  <button class="number-btn" data-number="4"><i class="fas fa-4"></i></button>
  <button class="number-btn" data-number="5"><i class="fas fa-5"></i></button>
  <button class="number-btn" data-number="6"><i class="fas fa-6"></i></button>
  <button class="number-btn" data-number="7"><i class="fas fa-7"></i></button>
  <button class="number-btn" data-number="8"><i class="fas fa-8"></i></button>
  <button class="number-btn" data-number="9"><i class="fas fa-9"></i></button>
  <button class="cancel-btn"><i class="fas fa-times"></i></button>
  <button class="number-btn" data-number="0"><i class="fas fa-0"></i></button>
  <button class="action-btn"><i class="fas fa-check"></i></button>
</div>
</div>

```

```

<script>
document.addEventListener('DOMContentLoaded', function() {
  const machine = document.querySelector('.card-machine');
  const cardSlot = document.querySelector('.card-slot');
  const messageEl = document.querySelector('.message');
  const passwordDisplay = document.querySelector('.password-display');
  const numberBtns = document.querySelectorAll('.number-btn');
  const enterBtn = document.querySelector('.action-btn');
  const cancelBtn = document.querySelector('.cancel-btn');

  let cardInserted = false;
  let password = '';
  let attempts = 0;
  let blocked = false;

  cardSlot.addEventListener('click', function() {
    if (!cardInserted && !blocked) {
      machine.classList.add('card-inserted');
      cardInserted = true;
      messageEl.textContent = 'Por favor, digite sua senha';
    }
  });

  numberBtns.forEach(btn => {
    btn.addEventListener('mousedown', () => btn.classList.add('press'));
    btn.addEventListener('mouseup', () => btn.classList.remove('press'));

    btn.addEventListener('click', function() {
      if (cardInserted && !blocked) {
        password += this.getAttribute('data-number');
        updatePasswordDisplay();
      }
    });
  });

  enterBtn.addEventListener('mousedown', () => enterBtn.classList.add('press'));
  enterBtn.addEventListener('mouseup', () => enterBtn.classList.remove('press'));

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enterBtn.addEventListener('click', function() {
  if (cardInserted && !blocked) {
    validatePassword();
  }
});

cancelBtn.addEventListener('mousedown', () => cancelBtn.classList.add('press'));
cancelBtn.addEventListener('mouseup', () => cancelBtn.classList.remove('press'));

cancelBtn.addEventListener('click', function() {
  resetTransaction();
  messageEl.textContent = 'Operação cancelada. Por favor, insira seu cartão.';
});

function updatePasswordDisplay() {
  passwordDisplay.textContent = '*'.repeat(password.length);
}

function validatePassword() {
  if (password === '1234') {
    messageEl.textContent = 'Acesso autorizado. Retire seu cartão.';
    setTimeout(() => {
      resetTransaction();
      messageEl.textContent = 'Transação concluída com sucesso!';
      setTimeout(() => {
        messageEl.textContent = 'Por favor, insira seu cartão';
      }, 2000);
    }, 1500);
  } else {
    attempts++;
    machine.classList.add('shake');
    setTimeout(() => machine.classList.remove('shake'), 300);

    if (attempts >= 3) {
      blockMachine();
      messageEl.textContent = 'Senha inválida 3 vezes. Cartão retido. Tente novamente em 2 minutos.';
    } else {
      messageEl.textContent = `Senha inválida. Tentativa ${attempts} de 3. Retire seu cartão.`;
      setTimeout(() => {
        resetTransaction(false);
        messageEl.textContent = 'Por favor, insira seu cartão novamente';
      }, 1500);
    }
  }
}

function resetTransaction(resetAttempts = true) {
  machine.classList.remove('card-inserted');
  cardInserted = false;
  password = '';
  passwordDisplay.textContent = '';
  if (resetAttempts) {
    attempts = 0;
  }
}

```

```
}

function blockMachine() {
  blocked = true;
  machine.classList.add('blocked');
  resetTransaction();
  setTimeout(() => {
    blocked = false;
    machine.classList.remove('blocked');
    messageEl.textContent = 'Por favor, insira seu cartão';
  }, 120000);
}
});
</script>
</body>
</html>
```