Protótipo de aplicativo para doação de sangue com telas interativas para cadastro de doadores, agendamento de doações com opção de “leva e traz” e seleção de grupos.

O aplicativo inclui:

Uma tela de cadastro de doadores com campos para nome, CPF, tipo sanguíneo, telefone e endereço.

Uma tela de agendamento de doações com calendário e seleção de horário.

Uma opção de "Leva e Traz" com funcionalidade de seleção de grupos.

Tela de gerenciamento de grupos onde os usuários podem ingressar em grupos existentes ou criar novos.

O protótipo é interativo podendo ser clicado em todo o fluxo, desde o cadstro até a confirmação. Iniciando o processo pelo botão "Começar" seguindo para “Cadastro”, podendo ser marcada a caixa "leva e traz" para verificação das alternativas ao fluxo.

```html

<!-- Tela de Cadastro -->

<div id="register-screen" class="screen">

<div class="header">

<div class="back-button" onclick="showScreen('welcome-screen')">

<svg width="20" height="20" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M20 11H7.83l5.59-5.59L12 4l-8 8 8 8 1.41-1.41L7.83 13H20v-2z" fill="white"/>

</svg>

</div>

<h1 class="text-xl font-semibold">Cadastro de Doador</h1>

<div class="progress-bar">

<div class="progress"></div>

</div>

</div>

<div class="flex-1 p-6 overflow-y-auto">

<form id="register-form" class="space-y-4">

<div>

<label class="block text-sm font-medium text-gray-700 mb-1">Nome completo</label>

<input type="text" class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" placeholder="Digite seu nome completo" required>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-1">CPF</label>

<input type="text" class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" placeholder="000.000.000-00" required>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-1">Tipo sanguíneo</label>

<div class="grid grid-cols-4 gap-3">

<div class="blood-type-btn" onclick="selectBloodType(this)">A+</div>

<div class="blood-type-btn" onclick="selectBloodType(this)">A-</div>

<div class="blood-type-btn" onclick="selectBloodType(this)">B+</div>

<div class="blood-type-btn" onclick="selectBloodType(this)">B-</div>

<div class="blood-type-btn" onclick="selectBloodType(this)">AB+</div>

<div class="blood-type-btn" onclick="selectBloodType(this)">AB-</div>

<div class="blood-type-btn" onclick="selectBloodType(this)">O+</div>

<div class="blood-type-btn" onclick="selectBloodType(this)">O-</div>

</div>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-1">Telefone</label>

<input type="tel" class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" placeholder="(00) 00000-0000" required>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-1">Endereço</label>

<input type="text" class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" placeholder="Rua, número" required>

</div>

<div class="grid grid-cols-2 gap-3">

<div>

<label class="block text-sm font-medium text-gray-700 mb-1">Cidade</label>

<input type="text" class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" placeholder="Cidade" required>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-1">Estado</label>

<select class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" required>

<option value="" disabled selected>UF</option>

<option value="AC">AC</option>

<option value="AL">AL</option>

<option value="AP">AP</option>

<option value="AM">AM</option>

<option value="BA">BA</option>

<option value="CE">CE</option>

<option value="DF">DF</option>

<option value="ES">ES</option>

<option value="GO">GO</option>

<option value="MA">MA</option>

<option value="MT">MT</option>

<option value="MS">MS</option>

<option value="MG">MG</option>

<option value="PA">PA</option>

<option value="PB">PB</option>

<option value="PR">PR</option>

<option value="PE">PE</option>

<option value="PI">PI</option>

<option value="RJ">RJ</option>

<option value="RN">RN</option>

<option value="RS">RS</option>

<option value="RO">RO</option>

<option value="RR">RR</option>

<option value="SC">SC</option>

<option value="SP">SP</option>

<option value="SE">SE</option>

<option value="TO">TO</option>

</select>

</div>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-1">CEP</label>

<input type="text" class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" placeholder="00000-000" required>

</div>

<button type="button" class="btn-primary w-full mt-6" onclick="showScreen('schedule-screen')">Continuar</button>

</form>

</div>

</div>

<!-- Tela de Agendamento -->

<div id="schedule-screen" class="screen">

<div class="header">

<div class="back-button" onclick="showScreen('register-screen')">

<svg width="20" height="20" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M20 11H7.83l5.59-5.59L12 4l-8 8 8 8 1.41-1.41L7.83 13H20v-2z" fill="white"/>

</svg>

</div>

<h1 class="text-xl font-semibold">Agendar Doação</h1>

<div class="progress-bar">

<div class="progress" style="width: 66.66%"></div>

</div>

</div>

<div class="flex-1 p-6 overflow-y-auto">

<h2 class="text-lg font-semibold mb-4">Selecione uma data</h2>

<div class="mb-6">

<div class="flex justify-between items-center mb-4">

<span class="font-medium">Outubro 2024</span>

<div class="flex space-x-2">

<button class="w-8 h-8 flex items-center justify-center rounded-full bg-gray-100">

<svg width="20" height="20" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M15.41 7.41L14 6l-6 6 6 6 1.41-1.41L10.83 12z" fill="#333"/>

</svg>

</button>

<button class="w-8 h-8 flex items-center justify-center rounded-full bg-gray-100">

<svg width="20" height="20" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M10 6L8.59 7.41 13.17 12l-4.58 4.59L10 18l6-6z" fill="#333"/>

</svg>

</button>

</div>

</div>

<div class="grid grid-cols-7 gap-1 text-center mb-2">

<span class="text-xs text-gray-500">D</span>

<span class="text-xs text-gray-500">S</span>

<span class="text-xs text-gray-500">T</span>

<span class="text-xs text-gray-500">Q</span>

<span class="text-xs text-gray-500">Q</span>

<span class="text-xs text-gray-500">S</span>

<span class="text-xs text-gray-500">S</span>

</div>

<div class="grid grid-cols-7 gap-1 text-center">

<div class="calendar-day text-gray-300">29</div>

<div class="calendar-day text-gray-300">30</div>

<div class="calendar-day">1</div>

<div class="calendar-day">2</div>

<div class="calendar-day">3</div>

<div class="calendar-day">4</div>

<div class="calendar-day">5</div>

<div class="calendar-day">6</div>

<div class="calendar-day">7</div>

<div class="calendar-day">8</div>

<div class="calendar-day">9</div>

<div class="calendar-day selected" onclick="selectDate(this)">10</div>

<div class="calendar-day">11</div>

<div class="calendar-day">12</div>

<div class="calendar-day">13</div>

<div class="calendar-day">14</div>

<div class="calendar-day">15</div>

<div class="calendar-day">16</div>

<div class="calendar-day">17</div>

<div class="calendar-day">18</div>

<div class="calendar-day">19</div>

<div class="calendar-day">20</div>

<div class="calendar-day">21</div>

<div class="calendar-day">22</div>

<div class="calendar-day">23</div>

<div class="calendar-day">24</div>

<div class="calendar-day">25</div>

<div class="calendar-day">26</div>

<div class="calendar-day">27</div>

<div class="calendar-day">28</div>

<div class="calendar-day">29</div>

<div class="calendar-day">30</div>

<div class="calendar-day">31</div>

<div class="calendar-day text-gray-300">1</div>

<div class="calendar-day text-gray-300">2</div>

</div>

</div>

<h2 class="text-lg font-semibold mb-4">Selecione um horário</h2>

<div class="space-y-2 mb-6">

<div class="time-slot selected" onclick="selectTimeSlot(this)">

<div class="flex justify-between items-center">

<span class="font-medium">10:00</span>

<span class="text-sm text-green-600">Disponível</span>

</div>

</div>

<div class="time-slot" onclick="selectTimeSlot(this)">

<div class="flex justify-between items-center">

<span class="font-medium">11:00</span>

<span class="text-sm text-green-600">Disponível</span>

</div>

</div>

<div class="time-slot" onclick="selectTimeSlot(this)">

<div class="flex justify-between items-center">

<span class="font-medium">14:00</span>

<span class="text-sm text-green-600">Disponível</span>

</div>

</div>

<div class="time-slot" onclick="selectTimeSlot(this)">

<div class="flex justify-between items-center">

<span class="font-medium">15:00</span>

<span class="text-sm text-green-600">Disponível</span>

</div>

</div>

<div class="time-slot" onclick="selectTimeSlot(this)">

<div class="flex justify-between items-center">

<span class="font-medium">16:00</span>

<span class="text-sm text-green-600">Disponível</span>

</div>

</div>

</div>

<div class="checkbox-container" onclick="toggleCheckbox(this)">

<div class="custom-checkbox" id="leva-traz-checkbox"></div>

<label>Desejo utilizar o serviço de leva e traz</label>

</div>

<button id="schedule-button" class="btn-primary w-full mt-6" onclick="handleScheduleClick()">Agendar</button>

</div>

</div>

<!-- Tela de Grupos de Leva e Traz -->

<div id="groups-screen" class="screen">

<div class="header">

<div class="back-button" onclick="showScreen('schedule-screen')">

<svg width="20" height="20" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M20 11H7.83l5.59-5.59L12 4l-8 8 8 8 1.41-1.41L7.83 13H20v-2z" fill="white"/>

</svg>

</div>

<h1 class="text-xl font-semibold">Grupos de Leva e Traz</h1>

<div class="progress-bar">

<div class="progress" style="width: 100%"></div>

</div>

</div>

<div class="flex-1 p-6 overflow-y-auto">

<div class="bg-red-50 rounded-lg p-4 mb-6">

<div class="flex items-start">

<div class="mr-3 mt-0.5">

<svg width="20" height="20" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M12 2C6.48 2 2 6.48 2 12s4.48 10 10 10 10-4.48 10-10S17.52 2 12 2zm1 15h-2v-2h2v2zm0-4h-2V7h2v6z" fill="#e53935"/>

</svg>

</div>

<div>

<p class="text-sm text-gray-700">Você selecionou <strong>10 de outubro às 10:00</strong>. Escolha um grupo existente ou crie um novo.</p>

</div>

</div>

</div>

<h2 class="text-lg font-semibold mb-4">Grupos disponíveis</h2>

<div class="space-y-4 mb-6">

<div class="group-card">

<div class="flex justify-between items-center mb-2">

<span class="font-medium">10 de outubro às 10:00</span>

<span class="text-sm bg-green-100 text-green-800 py-1 px-2 rounded-full">2 vagas</span>

</div>

<div class="flex items-center mb-3">

<div class="w-8 h-8 bg-red-100 rounded-full flex items-center justify-center mr-2">

<span class="text-xs font-medium text-red-800">MR</span>

</div>

<span class="text-sm text-gray-600">Maria Rodrigues</span>

</div>

<div class="flex justify-end">

<button class="btn-primary text-sm py-2 px-4" onclick="joinGroup(1)">Entrar no grupo</button>

</div>

</div>

<div class="group-card">

<div class="flex justify-between items-center mb-2">

<span class="font-medium">10 de outubro às 10:00</span>

<span class="text-sm bg-green-100 text-green-800 py-1 px-2 rounded-full">1 vaga</span>

</div>

<div class="flex items-center mb-2">

<div class="w-8 h-8 bg-red-100 rounded-full flex items-center justify-center mr-2">

<span class="text-xs font-medium text-red-800">JS</span>

</div>

<span class="text-sm text-gray-600">João Silva</span>

</div>

<div class="flex items-center mb-3">

<div class="w-8 h-8 bg-red-100 rounded-full flex items-center justify-center mr-2">

<span class="text-xs font-medium text-red-800">CS</span>

</div>

<span class="text-sm text-gray-600">Carlos Santos</span>

</div>

<div class="flex justify-end">

<button class="btn-primary text-sm py-2 px-4" onclick="joinGroup(2)">Entrar no grupo</button>

</div>

</div>

</div>

<div class="flex justify-center">

<button class="btn-secondary" onclick="showCreateGroupModal()">

<div class="flex items-center">

<svg width="20" height="20" viewBox="0 0 24 24" fill="none" class="mr-2" xmlns="http://www.w3.org/2000/svg">

<path d="M19 13h-6v6h-2v-6H5v-2h6V5h2v6h6v2z" fill="#e53935"/>

</svg>

Criar novo grupo

</div>

</button>

</div>

</div>

</div>

<!-- Tela de Confirmação -->

<div id="confirmation-screen" class="screen">

<div class="header">

<div class="back-button" onclick="showScreen('groups-screen')">

<svg width="20" height="20" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M20 11H7.83l5.59-5.59L12 4l-8 8 8 8 1.41-1.41L7.83 13H20v-2z" fill="white"/>

</svg>

</div>

<h1 class="text-xl font-semibold">Confirmação</h1>

</div>

<div class="flex-1 p-6 flex flex-col items-center justify-center text-center">

<div class="w-20 h-20 bg-green-100 rounded-full flex items-center justify-center mb-6">

<svg width="40" height="40" viewBox="0 0 24 24" fill="none" xmlns="http://www.w3.org/2000/svg">

<path d="M9 16.17L4.83 12l-1.42 1.41L9 19 21 7l-1.41-1.41L9 16.17z" fill="#22c55e"/>

</svg>

</div>

<h2 class="text-2xl font-semibold mb-2">Agendamento confirmado!</h2>

<p class="text-gray-600 mb-6">Sua doação foi agendada para <strong>10 de outubro às 10:00</strong>.</p>

<div class="bg-gray-50 w-full rounded-lg p-4 mb-6">

<h3 class="font-medium mb-2">Detalhes do grupo de leva e traz:</h3>

<div class="flex items-center mb-2">

<div class="w-8 h-8 bg-red-100 rounded-full flex items-center justify-center mr-2">

<span class="text-xs font-medium text-red-800">MR</span>

</div>

<span class="text-sm text-gray-600">Maria Rodrigues (Organizadora)</span>

</div>

<div class="flex items-center">

<div class="w-8 h-8 bg-red-100 rounded-full flex items-center justify-center mr-2">

<span class="text-xs font-medium text-red-800">VC</span>

</div>

<span class="text-sm text-gray-600">Você</span>

</div>

</div>

<button class="btn-primary w-full" onclick="showScreen('welcome-screen')">Voltar ao início</button>

</div>

</div>

<!-- Modal de Criar Grupo -->

<div id="create-group-modal" class="fixed inset-0 bg-black bg-opacity-50 flex items-center justify-center z-50 hidden">

<div class="bg-white rounded-lg w-11/12 max-w-md">

<div class="p-4 border-b">

<h3 class="text-lg font-semibold">Criar novo grupo</h3>

</div>

<div class="p-4">

<p class="text-sm text-gray-600 mb-4">Você será o organizador deste grupo de leva e traz para o dia <strong>10 de outubro às 10:00</strong>.</p>

<div class="mb-4">

<label class="block text-sm font-medium text-gray-700 mb-1">Ponto de encontro</label>

<input type="text" class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" placeholder="Ex: Shopping Center Norte">

</div>

<div class="mb-4">

<label class="block text-sm font-medium text-gray-700 mb-1">Horário de encontro</label>

<select class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent">

<option>09:00 (1h antes da doação)</option>

<option>09:15 (45min antes da doação)</option>

<option>09:30 (30min antes da doação)</option>

</select>

</div>

<div class="mb-4">

<label class="block text-sm font-medium text-gray-700 mb-1">Observações (opcional)</label>

<textarea class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:outline-none focus:ring-2 focus:ring-red-500 focus:border-transparent" rows="2" placeholder="Alguma informação adicional para os participantes"></textarea>

</div>

</div>

<div class="p-4 border-t flex justify-end space-x-3">

<button class="btn-secondary text-sm py-2 px-4" onclick="hideCreateGroupModal()">Cancelar</button>

<button class="btn-primary text-sm py-2 px-4" onclick="createGroup()">Criar grupo</button>

</div>

</div>

</div>

<!-- Toast de notificação -->

<div id="toast" class="toast">Grupo criado com sucesso!</div>

<script>

// Controle de navegação entre telas

function showScreen(screenId) {

document.querySelectorAll('.screen').forEach(screen => {

screen.classList.remove('active');

});

document.getElementById(screenId).classList.add('active');

}

// Seleção de tipo sanguíneo

function selectBloodType(element) {

document.querySelectorAll('.blood-type-btn').forEach(btn => {

btn.classList.remove('selected');

});

element.classList.add('selected');

}

// Seleção de data no calendário

function selectDate(element) {

document.querySelectorAll('.calendar-day').forEach(day => {

if (!day.classList.contains('text-gray-300')) {

day.classList.remove('selected');

}

});

element.classList.add('selected');

}

// Seleção de horário

function selectTimeSlot(element) {

document.querySelectorAll('.time-slot').forEach(slot => {

slot.classList.remove('selected');

});

element.classList.add('selected');

}

// Toggle checkbox de leva e traz

function toggleCheckbox(container) {

const checkbox = container.querySelector('.custom-checkbox');

checkbox.classList.toggle('checked');

}

// Manipulador do botão de agendamento

function handleScheduleClick() {

const checkbox = document.getElementById('leva-traz-checkbox');

if (checkbox.classList.contains('checked')) {

showScreen('groups-screen');

} else {

showToast('Agendamento realizado com sucesso!');

setTimeout(() => {

showScreen('welcome-screen');

}, 2000);

}

}

// Mostrar modal de criar grupo

function showCreateGroupModal() {

document.getElementById('create-group-modal').classList.remove('hidden');

}

// Esconder modal de criar grupo

function hideCreateGroupModal() {

document.getElementById('create-group-modal').classList.add('hidden');

}

// Criar grupo

function createGroup() {

hideCreateGroupModal();

showToast('Grupo criado com sucesso!');

setTimeout(() => {

showScreen('confirmation-screen');

}, 1500);

}

// Entrar em um grupo

function joinGroup(groupId) {

showToast('Você entrou no grupo com sucesso!');

setTimeout(() => {

showScreen('confirmation-screen');

}, 1500);

}

// Mostrar toast de notificação

function showToast(message) {

const toast = document.getElementById('toast');

toast.textContent = message;

toast.classList.add('show');

setTimeout(() => {

toast.classList.remove('show');

}, 3000);

}

</script>