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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Sunday School</title>
  <script src="https://cdn.tailwindcss.com"></script>
  <script src="https://cdn.jsdelivr.net/npm/qrcodejs@1.0.0/qrcode.min.js"></script>
  <!-- Manifest link for PWA functionality -->
  <link rel="manifest" href="manifest.json">
  <style>
    @import
url('https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700&display=swap');
    body {
      font-family: 'Inter', sans-serif;
      background-color: #f3f4f6;
      -webkit-tap-highlight-color: transparent; /* Remove tap highlight for mobile */
    }
    .container {
      max-width: 600px;
    }
    .button-primary {
      @apply bg-blue-600 text-white font-medium py-3 px-6 rounded-xl shadow-lg
transition-all duration-300 hover:bg-blue-700 active:scale-95;
    }
    .button-secondary {
      @apply bg-gray-200 text-gray-800 font-medium py-3 px-6 rounded-xl shadow-md
transition-all duration-300 hover:bg-gray-300 active:scale-95;
    }
    .input-field {
      @apply w-full p-4 rounded-xl border border-gray-300 focus:outline-none focus:ring-2
focus:ring-blue-500 transition-all duration-200;
    }
    .card {
      @apply bg-white p-8 rounded-2xl shadow-xl border border-gray-100;
    }
    .message-box {
      position: fixed;
      top: 50%;
      left: 50%;
      transform: translate(-50%, -50%);
      z-index: 1000;
    }
    #map {

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        height: 400px;
        width: 100%;
    }
    .logo {
        display: flex;
        justify-content: center;
        margin-bottom: 2rem;
    }
</style>
</head>
<body class="bg-gray-100 text-gray-800">

    <!-- Firebase SDKs -->
    <script type="module">
        import { initializeApp } from "https://www.gstatic.com/firebasejs/11.6.1/firebase-app.js";
        import { getAuth, signInAnonymously, signInWithCustomToken, onAuthStateChanged }
from "https://www.gstatic.com/firebasejs/11.6.1/firebase-auth.js";
        import { getFirestore, doc, getDoc, addDoc, setDoc, updateDoc, onSnapshot, collection,
query, where, getDocs, orderBy, limit } from
"https://www.gstatic.com/firebasejs/11.6.1/firebase-firestore.js";

        let db, auth;
        let userId = "";
        let appId = 'default-app-id';
        const firebaseConfig = {};

        if (typeof __app_id !== 'undefined') {
            appId = __app_id;
        }

        if (typeof __firebase_config !== 'undefined') {
            Object.assign(firebaseConfig, JSON.parse(__firebase_config));
            const app = initializeApp(firebaseConfig);
            auth = getAuth(app);
            db = getFirestore(app);
            console.log("Firebase initialized successfully.");

            onAuthStateChanged(auth, async (user) => {
                if (user) {
                    userId = user.uid;
                    console.log("User authenticated:", userId);
                    await checkUserRoleAndNavigate();
                } else {
                    console.log("No user signed in. Signing in anonymously...");
                }
            });
        }
    </script>

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    try {
      if (typeof __initial_auth_token !== 'undefined') {
        await signInWithCustomToken(auth, __initial_auth_token);
      } else {
        await signInAnonymously(auth);
      }
    } catch (error) {
      console.error("Firebase Auth Error:", error);
      showMessage("Authentication failed. Please try again.", "error");
    }
  }
});
} else {
  showMessage("Firebase configuration not found. The app will not be fully functional.",
"error");
  console.error("Firebase configuration not found. The app will not be fully functional.");
}

async function checkUserRoleAndNavigate() {
  try {
    const adminDocRef = doc(db, 'artifacts', appld, 'public', 'data', 'admins', userId);
    const parentDocRef = doc(db, 'artifacts', appld, 'users', userId, 'parents', userId);
    const [adminDoc, parentDoc] = await Promise.all([getDoc(adminDocRef),
getDoc(parentDocRef)]);

    if (adminDoc.exists()) {
      window.renderView('admin-dashboard', { churchId: adminDoc.data().churchId });
    } else if (parentDoc.exists()) {
      window.renderView('parent-dashboard');
    } else {
      window.renderView('welcome');
    }
  } catch (error) {
    console.error("Error checking user role:", error);
    showMessage("Could not determine user role. Please try again.", "error");
  }
}

window.firebaseApp = {
  db,
  auth,
  userId: () => userId,
  appld: () => appld,
  checkUserRoleAndNavigate

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};

const imageLogo = `
  
`;

window.renderView = (viewName, data = {}) => {
  const appDiv = document.getElementById('app');
  let htmlContent = "";

  const commonClasses = 'min-h-screen flex items-center justify-center p-4';

  if (viewName === 'welcome') {
    htmlContent = `
      <div class="${commonClasses}">
        <div class="container card text-center space-y-6">
          <div class="logo">
            ${imageLogo}
          </div>
          <h1 class="text-3xl font-bold text-gray-900">Simple Sunday School</h1>
          <p class="text-gray-500">A simple check-in solution for your church.</p>
          <div class="space-y-4">
            <button id="admin-login-btn" class="button-primary w-full">I am a Church
Admin</button>
            <button id="parent-login-btn" class="button-primary w-full">I am a
Parent</button>
          </div>
        </div>
      </div>
    `;
  } else if (viewName === 'admin-login') {
    htmlContent = `
      <div class="${commonClasses}">
        <div class="container card space-y-6">
          <div class="logo">
            ${imageLogo}
          </div>
          <h2 class="text-2xl font-semibold text-center">Admin Login</h2>
          <p class="text-sm text-gray-500 text-center">Enter your login code to access
your church dashboard.</p>
          <form id="admin-login-form" class="space-y-4">
            <input type="password" id="admin-code-input" placeholder="Login Code"
class="input-field">
    `;
  }

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        <button type="submit" class="button-primary w-full">Sign In</button>
    </form>
    <p class="text-center text-sm">Don't have a code? <a href="#"
id="admin-signup-link" class="text-blue-600 hover:underline">Sign Up Here</a></p>
    <button id="back-to-welcome-btn" class="button-secondary
w-full">Back</button>
</div>
</div>
`;
} else if (viewName === 'admin-signup') {
    htmlContent = `
        <div class="${commonClasses}">
            <div class="container card space-y-6">
                <div class="logo">
                    ${imageLogo}
                </div>
                <h2 class="text-2xl font-semibold text-center">Church Sign Up</h2>
                <p class="text-sm text-gray-500 text-center">Fill out the application to get your
unique login code.</p>
                <form id="admin-signup-form" class="space-y-4">
                    <input type="text" id="church-name" placeholder="Church Name"
class="input-field" required>
                    <input type="text" id="church-address" placeholder="Address"
class="input-field" required>
                    <input type="text" id="church-denomination" placeholder="Denomination"
class="input-field">
                    <input type="text" id="church-size" placeholder="Church Size (e.g.,
50-100)" class="input-field">
                    <input type="text" id="church-event" placeholder="Church Event (e.g.,
Sunday School)" class="input-field">
                    <input type="text" id="admin-username" placeholder="Admin Username"
class="input-field" required>
                    <button type="submit" class="button-primary w-full">Submit
Application</button>
                </form>
                <button id="back-to-admin-login-btn" class="button-secondary
w-full">Back</button>
            </div>
        </div>
    `;
} else if (viewName === 'admin-dashboard') {
    const churchId = data.churchId;
    htmlContent = `
        <div class="${commonClasses} !items-start py-8">
    
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<div class="container space-y-8 w-full">
  <div class="logo">
    ${imageLogo}
  </div>
  <div class="card space-y-4 text-center">
    <h1 class="text-2xl font-bold">Admin Dashboard</h1>
    <p class="text-sm text-gray-500">Your Church ID: <span class="font-mono
bg-gray-200 px-2 py-1 rounded text-gray-700">${churchId}</span></p>
    <div class="space-y-4">
      <button id="admin-scan-qr-btn" class="button-primary w-full">Scan
Parent QR</button>
      <button id="admin-messages-btn" class="button-primary w-full">View
Parent Messages</button>
      <button id="admin-logout-btn" class="button-secondary w-full">Sign
Out</button>
    </div>
  </div>

  <div id="admin-view-content" class="card space-y-6 w-full hidden"></div>
</div>
</div>
`;
} else if (viewName === 'parent-login') {
  htmlContent = `
    <div class="${commonClasses}">
      <div class="container card space-y-6">
        <div class="logo">
          ${imageLogo}
        </div>
        <h2 class="text-2xl font-semibold text-center">Parent Login</h2>
        <form id="parent-login-form" class="space-y-4">
          <input type="text" id="parent-username" placeholder="Username"
class="input-field" required>
          <input type="password" id="parent-password" placeholder="Password"
class="input-field" required>
          <button type="submit" class="button-primary w-full">Sign In</button>
        </form>
        <p class="text-center text-sm">First time user? <a href="#"
id="parent-signup-link" class="text-blue-600 hover:underline">Sign Up Here</a></p>
        <button id="back-to-welcome-btn" class="button-secondary
w-full">Back</button>
      </div>
    </div>
  `;
}

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    } else if (viewName === 'parent-signup') {
      htmlContent = `
        <div class="${commonClasses}">
          <div class="container card space-y-6">
            <div class="logo">
              ${imageLogo}
            </div>
            <h2 class="text-2xl font-semibold text-center">Parent Sign Up</h2>
            <p class="text-sm text-gray-500 text-center">Create your family profile and get
your check-in QR code.</p>
            <form id="parent-signup-form" class="space-y-4">
              <input type="text" id="parent-username" placeholder="Choose a
Username" class="input-field" required>
              <input type="password" id="parent-password" placeholder="Choose a
Password" class="input-field" required>
              <input type="text" id="child-name-1" placeholder="Child 1 Name"
class="input-field" required>
              <input type="text" id="child-age-1" placeholder="Child 1 Age"
class="input-field">
              <input type="text" id="child-allergies-1" placeholder="Child 1 Allergies
(optional)" class="input-field">
              <button type="submit" class="button-primary w-full">Create Profile</button>
            </form>
            <button id="back-to-parent-login-btn" class="button-secondary
w-full">Back</button>
          </div>
        </div>
      `;
    } else if (viewName === 'parent-dashboard') {
      htmlContent = `
        <div class="${commonClasses} !items-start py-8">
          <div class="container space-y-8 w-full">
            <div class="logo">
              ${imageLogo}
            </div>
            <div class="card space-y-4 text-center">
              <h1 class="text-2xl font-bold">Parent Dashboard</h1>
              <p class="text-sm text-gray-500">Scan this QR code at your church for
check-in.</p>
              <div id="qrcode" class="flex justify-center p-4"></div>
              <button id="parent-messages-btn" class="button-primary w-full">Message
Admin</button>
              <button id="view-churches-map-btn" class="button-primary w-full">Find a
Church</button>
            </div>
          </div>
        </div>
      `;
    }
  }

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        <button id="parent-logout-btn" class="button-secondary w-full">Sign
Out</button>
    </div>
    <div id="parent-view-content" class="card space-y-6 w-full hidden"></div>
</div>
</div>
`;
} else if (viewName === 'loading') {
    htmlContent = `
        <div class="{commonClasses} flex-col">
            <div class="logo">
                ${imageLogo}
            </div>
            <svg class="animate-spin -ml-1 mr-3 h-10 w-10 text-blue-600"
xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24">
                <circle class="opacity-25" cx="12" cy="12" r="10" stroke="currentColor"
stroke-width="4"></circle>
                <path class="opacity-75" fill="currentColor" d="M4 12a8 8 0 018-8V0C5.373 0
0 5.373 0 12h4zm2 5.291A7.962 7.962 0 014 12H0c0 3.042 1.135 5.824 3
7.938l3-2.647z"></path>
            </svg>
            <p class="mt-4 text-gray-600">Loading...</p>
        </div>
    `;
} else {
    htmlContent = `
        <div class="{commonClasses}">
            <div class="container card text-center space-y-4">
                <div class="logo">
                    ${imageLogo}
                </div>
                <h1 class="text-2xl font-bold">Error</h1>
                <p class="text-gray-500">Something went wrong. Please refresh the
page.</p>
            </div>
        </div>
    `;
}

appDiv.innerHTML = htmlContent;
attachEventListeners(viewName);
};

function showMessage(message, type = 'info') {

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const messageBox = document.createElement('div');
messageBox.className = `message-box p-4 rounded-xl shadow-lg text-white ${type
=== 'error' ? 'bg-red-500' : 'bg-green-500'} transition-all duration-300 transform scale-0`;
messageBox.textContent = message;
document.body.appendChild(messageBox);
setTimeout(() => {
  messageBox.classList.add('scale-100');
}, 10);
setTimeout(() => {
  messageBox.classList.remove('scale-100');
  setTimeout(() => messageBox.remove(), 300);
}, 3000);
}

function attachEventListeners(viewName) {
  const { db, auth, userId, appId } = window.firebaseApp;

  if (viewName === 'welcome') {
    document.getElementById('admin-login-btn').addEventListener('click', () =>
window.renderView('admin-login'));
    document.getElementById('parent-login-btn').addEventListener('click', () =>
window.renderView('parent-login'));
  } else if (viewName === 'admin-login') {
    document.getElementById('back-to-welcome-btn').addEventListener('click', () =>
window.renderView('welcome'));
    document.getElementById('admin-signup-link').addEventListener('click', (e) => {
      e.preventDefault();
      window.renderView('admin-signup');
    });
    document.getElementById('admin-login-form').addEventListener('submit', async (e) =>
{
      e.preventDefault();
      window.renderView('loading');
      const loginCode = document.getElementById('admin-code-input').value;
      if (!loginCode) {
        showMessage("Please enter a login code.", "error");
        window.renderView('admin-login');
        return;
      }

      try {
        const q = query(collection(db, 'artifacts', appId, 'public', 'data', 'churches'),
where('loginCode', '==', loginCode));
        const querySnapshot = await getDocs(q);

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    if (!querySnapshot.empty) {
      const churchDoc = querySnapshot.docs[0];
      const churchData = churchDoc.data();
      await setDoc(doc(db, 'artifacts', appld, 'public', 'data', 'admins', userId()), {
        churchId: churchDoc.id,
        username: churchData.adminUsername
      });
      showMessage("Signed in as Admin!", "info");
      window.renderView('admin-dashboard', { churchId: churchDoc.id });
    } else {
      showMessage("Invalid login code.", "error");
      window.renderView('admin-login');
    }
  } catch (error) {
    console.error("Admin login error:", error);
    showMessage("Login failed. Please try again.", "error");
    window.renderView('admin-login');
  }
});
} else if (viewName === 'admin-signup') {
  document.getElementById('back-to-admin-login-btn').addEventListener('click', () =>
window.renderView('admin-login'));
  document.getElementById('admin-signup-form').addEventListener('submit', async (e)
=> {
    e.preventDefault();
    window.renderView('loading');
    const churchData = {
      churchName: document.getElementById('church-name').value,
      address: document.getElementById('church-address').value,
      denomination: document.getElementById('church-denomination').value,
      churchSize: document.getElementById('church-size').value,
      churchEvent: document.getElementById('church-event').value,
      adminUsername: document.getElementById('admin-username').value,
      loginCode: Math.random().toString(36).substring(2, 8).toUpperCase(),
    };

    try {
      const newChurchRef = await addDoc(collection(db, 'artifacts', appld, 'public',
'data', 'churches'), churchData);
      await setDoc(doc(db, 'artifacts', appld, 'public', 'data', 'admins', userId()), {
        churchId: newChurchRef.id,
        username: churchData.adminUsername,
      });
    }
  }

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        showMessage(`Application successful! Your login code is:
${churchData.loginCode}`, "info");
        window.renderView('admin-login');
    } catch (error) {
        console.error("Church signup error:", error);
        showMessage("Signup failed. Please try again.", "error");
        window.renderView('admin-signup');
    }
});
} else if (viewName === 'admin-dashboard') {
    const churchId = document.querySelector('.font-mono').textContent;
    const adminViewContent = document.getElementById('admin-view-content');

    document.getElementById('admin-scan-qr-btn').addEventListener('click', async () => {
        adminViewContent.classList.remove('hidden');
        adminViewContent.innerHTML = `<h3 class="text-xl font-semibold
text-center">Scan QR Code</h3><p class="text-gray-500 text-center">Use your device's
camera to scan a parent's QR code.</p><div id="qr-scan-placeholder" class="bg-gray-200 h-64
flex items-center justify-center rounded-xl text-gray-500">QR Scanner Placeholder</div>`;
        showMessage("QR scanning functionality would be implemented here, likely using
a camera API. For this demo, it's a placeholder.", "info");
    });

    document.getElementById('admin-messages-btn').addEventListener('click', async ()
=> {
        adminViewContent.classList.remove('hidden');
        adminViewContent.innerHTML = `<h3 class="text-xl font-semibold
text-center">Messages</h3><p class="text-gray-500 text-center">Loading messages...</p><div
id="messages-list" class="space-y-4"></div>`;

        const q = query(collection(db, 'artifacts', appId, 'public', 'data', 'messages'),
where('receiverId', '==', churchId));
        onSnapshot(q, (querySnapshot) => {
            const messagesList = document.getElementById('messages-list');
            if (!messagesList) return;
            messagesList.innerHTML = "";
            if (querySnapshot.empty) {
                messagesList.innerHTML = `<p class="text-gray-500 text-center">No
messages yet.</p>`;
            }
            querySnapshot.forEach((doc) => {
                const message = doc.data();
                const messageDiv = document.createElement('div');

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        messageDiv.className = 'bg-gray-50 p-4 rounded-xl shadow-sm border
border-gray-100';
        messageDiv.innerHTML = `
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    } else if (viewName === 'parent-signup') {
      document.getElementById('back-to-parent-login-btn').addEventListener('click', () =>
window.renderView('parent-login'));
      document.getElementById('parent-signup-form').addEventListener('submit', async (e)
=> {
        e.preventDefault();
        window.renderView('loading');
        const parentData = {
          username: document.getElementById('parent-username').value,
          password: document.getElementById('parent-password').value,
          children: [{
            name: document.getElementById('child-name-1').value,
            age: document.getElementById('child-age-1').value,
            allergies: document.getElementById('child-allergies-1').value,
          }]
        };

        try {
          await setDoc(doc(db, 'artifacts', appld, 'users', userId(), 'parents', userId()),
parentData);
          showMessage("Profile created! You can now log in.", "info");
          window.renderView('parent-dashboard');
        } catch (error) {
          console.error("Parent signup error:", error);
          showMessage("Signup failed. Please try again.", "error");
          window.renderView('parent-signup');
        }
      });
    } else if (viewName === 'parent-dashboard') {
      const parentViewContent = document.getElementById('parent-view-content');

      new QRCode(document.getElementById("qrcode"), {
        text: userId(),
        width: 200,
        height: 200,
      });

      document.getElementById('parent-messages-btn').addEventListener('click', async ()
=> {
        parentViewContent.classList.remove('hidden');
        parentViewContent.innerHTML = `
          <h3 class="text-xl font-semibold text-center">Message Admin</h3>
          <p class="text-sm text-gray-500 text-center">Select a church to send a
message.</p>

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    <div id="church-list" class="space-y-4"></div>
    <div id="messaging-section" class="space-y-4 hidden">
      <h4 class="font-bold" id="messaging-church-name"></h4>
      <div id="chat-window" class="border border-gray-200 p-4 rounded-xl h-48
overflow-y-auto"></div>
        <form id="message-form" class="flex space-x-2">
          <input type="text" id="message-input" placeholder="Type a message..."
class="input-field flex-grow">
          <button type="submit" class="button-primary px-4 py-2">Send</button>
        </form>
      </div>
    `;

    const q = query(collection(db, 'artifacts', appId, 'public', 'data', 'churches'));
    const querySnapshot = await getDocs(q);
    const churchList = document.getElementById('church-list');
    if (querySnapshot.empty) {
      churchList.innerHTML = `<p class="text-gray-500 text-center">No churches
found.</p>`;
      return;
    }

    querySnapshot.forEach((doc) => {
      const church = doc.data();
      const churchDiv = document.createElement('div');
      churchDiv.className = 'bg-gray-50 p-4 rounded-xl shadow-sm border
border-gray-100 cursor-pointer hover:bg-gray-100 transition-colors';
      churchDiv.innerHTML = `<p class="font-semibold
text-blue-600">${church.churchName}</p><p class="text-sm
text-gray-500">${church.address}</p>`;
      churchDiv.addEventListener('click', () => {
        setupMessaging(doc.id, church.churchName);
      });
      churchList.appendChild(churchDiv);
    });
  });

  document.getElementById('view-churches-map-btn').addEventListener('click', async ()
=> {
    parentViewContent.classList.remove('hidden');
    parentViewContent.innerHTML = `<h3 class="text-xl font-semibold
text-center">Find a Church</h3><div id="map" class="rounded-xl shadow-md"></div>`;

    const churches = [];

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const q = query(collection(db, 'artifacts', appId, 'public', 'data', 'churches'));
const querySnapshot = await getDocs(q);
querySnapshot.forEach(doc => churches.push({ id: doc.id, ...doc.data() }));

const script = document.createElement('script');
script.src = `https://maps.googleapis.com/maps/api/js?key=&callback=initMap`;
script.async = true;
script.defer = true;
document.head.appendChild(script);

window.initMap = () => {
  const map = new google.maps.Map(document.getElementById('map'), {
    center: { lat: 39.8283, lng: -98.5795 }, // Center of the US
    zoom: 4,
  });

  churches.forEach(church => {
    const geocoder = new google.maps.Geocoder();
    geocoder.geocode({ 'address': church.address }, (results, status) => {
      if (status === 'OK' && results[0]) {
        const marker = new google.maps.Marker({
          map: map,
          position: results[0].geometry.location,
          title: church.churchName
        });
        const infoWindow = new google.maps.InfoWindow({
          content:
            `

<strong>${church.churchName}</strong><br>${church.address}</div>`
        });
        marker.addListener('click', () => {
          infoWindow.open(map, marker);
        });
      } else {
        console.log('Geocode was not successful for the following reason: ' +
status);
      }
    });
  });
};

document.getElementById('parent-logout-btn').addEventListener('click', async () => {
  await auth.signOut();
  showMessage("Signed out successfully!", "info");
});


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        window.renderView('welcome');
    });

    function setupMessaging(churchId, churchName) {
        document.getElementById('church-list').classList.add('hidden');
        const messagingSection = document.getElementById('messaging-section');
        messagingSection.classList.remove('hidden');
        document.getElementById('messaging-church-name').textContent = `Messaging:
${churchName}`;
        const chatWindow = document.getElementById('chat-window');

        const q = query(collection(db, 'artifacts', appId, 'public', 'data', 'messages'),
where('senderId', '==', userId()), where('receiverId', '==', churchId));
        onSnapshot(q, (querySnapshot) => {
            chatWindow.innerHTML = "";
            if (querySnapshot.empty) {
                chatWindow.innerHTML = `
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        messageInput.value = "";
    }
    });
}
}

window.onload = () => {
    window.renderView('loading');
};
</script>
<div id="app"></div>

</body>
</html>
```