📋 SULOC CMS Development Plan

Logistics & Administrative Services Platform

🎯 Executive Summary

This document outlines the comprehensive development plan for **Success Logistics Company (SULOC)** CMS - a custom content management system for logistics facilitation and administrative services. The platform will enable "no-code" management of services, vehicles, and client requests while projecting professionalism and trust.

Key Objectives

- Build a fully customizable CMS based on the existing CICESE codebase patterns
- Enable 100% text and image modification without technical intervention
- Deliver a mobile-first experience optimized for 3G networks in Congo
- Integrate WhatsApp as a primary communication channel
- Support bilingual content (French/English)

🏢 SULOC Core Missions

The platform is structured around four key service pillars:

Mission	Description	Icon
Visa Assistance	Document preparation, verification, and guidance by visa type	`fas fa-passport`
Logistics & Transport	Freight organization, shipment tracking, maritime/transit coordination	`fas fa-truck`
Administrative Consulting	Reliable information for secure procedures and time optimization	`fas fa-file-alt`
Professional Intermediary	Official trust link between clients, partners, and institutions	`fas fa-handshake`

🎨 Brand Identity & Color Scheme

Primary Colors (from SULOC Logo)

```css
:root {
--suloc-navy: #0a2342; /* Primary - Professionalism & Authority */
--suloc-gold: #d4af37; /* Accent - Success & Quality */
--suloc-white: #ffffff; /* Clarity & Readability */
--suloc-silver: #c0c0c0; /* Secondary accent */
```

```
  --suloc-navy-light: #1a3a5c; /* Hover states */
  --suloc-gold-dark: #b8962e; /* Active states */
}
```

Typography

- **Headings**: Inter or Poppins (Bold, 700)
- **Body**: Inter or Open Sans (Regular, 400)
- **Accent**: Playfair Display for premium feel

🗄 Database Architecture (12 Tables)

Entity Relationship Diagram

```mermaid
erDiagram
ADMIN_USERS ||--o{ ACTIVITY_LOG : creates
VEHICLES ||--o{ VEHICLE_IMAGES : has
VEHICLES ||--o{ VEHICLE_REQUESTS : receives
VISA_SERVICES ||--o{ VISA_REQUESTS : receives
IMPORT_SERVICES ||--o{ IMPORT_REQUESTS : receives
PAYMENT_SERVICES ||--o{ PAYMENT_REQUESTS : receives
PAGES ||--o{ PAGE_TRANSLATIONS : has

ADMIN_USERS {
int id PK
varchar username
varchar password_hash
varchar full_name
varchar email
varchar role
boolean is_active
datetime last_login
datetime created_at
}

VEHICLES {
int id PK
varchar slug
varchar brand
varchar model
int year
varchar transmission
varchar fuel_type
decimal price
varchar currency
varchar condition
```

```
    text description
    varchar main_image
    boolean is_featured
    boolean is_active
    int order_index
    datetime created_at
}

VEHICLE_IMAGES {
int id PK
int vehicle_id FK
varchar image_url
varchar alt_text
int order_index
}

VISA_SERVICES {
int id PK
varchar country_code
varchar country_name
text requirements
text documents_needed
varchar processing_time
decimal service_fee
boolean is_active
int order_index
}

IMPORT_SERVICES {
int id PK
varchar service_name
text description
text steps
varchar countries_served
decimal base_price
boolean is_active
int order_index
}

PAYMENT_SERVICES {
int id PK
varchar operator_name
varchar operator_logo
text limits_info
decimal exchange_rate
varchar currency_pair
boolean is_active
int order_index
}
```

```
VEHICLE_REQUESTS {
int id PK
int vehicle_id FK
varchar client_name
varchar client_email
varchar client_phone
varchar client_whatsapp
text message
varchar status
datetime created_at
datetime updated_at
}

VISA_REQUESTS {
int id PK
int visa_service_id FK
varchar client_name
varchar client_email
varchar client_phone
varchar destination_country
varchar visa_type
text additional_info
varchar status
datetime created_at
}

IMPORT_REQUESTS {
int id PK
int import_service_id FK
varchar client_name
varchar client_email
varchar client_phone
varchar origin_country
varchar cargo_type
text cargo_description
varchar status
datetime created_at
}

PAYMENT_REQUESTS {
int id PK
int payment_service_id FK
varchar client_name
varchar client_phone
varchar operator
decimal amount
varchar currency
varchar status
datetime created_at
}
```

```
PAGES {
int id PK
varchar slug
varchar title_fr
varchar title_en
text content_fr
text content_en
varchar meta_description_fr
varchar meta_description_en
boolean is_active
datetime updated_at
}

SITE_SETTINGS {
int id PK
varchar setting_key
text setting_value
varchar setting_group
}
```
```

### SQL Schema Creation Script

```sql
-- SULOC CMS Database Schema
-- Version 1.0

-- 1. Admin Users Table
CREATE TABLE admin_users (
id INT AUTO_INCREMENT PRIMARY KEY,
username VARCHAR(50) NOT NULL UNIQUE,
password_hash VARCHAR(255) NOT NULL,
full_name VARCHAR(100),
email VARCHAR(100),
role ENUM('super_admin', 'admin', 'editor') DEFAULT 'editor',
is_active TINYINT(1) DEFAULT 1,
last_login DATETIME,
created_at DATETIME DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 2. Vehicles Table
CREATE TABLE vehicles (
id INT AUTO_INCREMENT PRIMARY KEY,
slug VARCHAR(255) NOT NULL UNIQUE,
brand VARCHAR(100) NOT NULL,
model VARCHAR(100) NOT NULL,
year INT,
transmission ENUM('automatic', 'manual') DEFAULT 'automatic',
fuel_type ENUM('petrol', 'diesel', 'hybrid', 'electric') DEFAULT 'petrol',
```

```sql
price DECIMAL(15,2),
currency VARCHAR(10) DEFAULT 'USD',
vehicle_condition ENUM('new', 'used', 'certified') DEFAULT 'used',
description TEXT,
main_image VARCHAR(500),
mileage INT,
color VARCHAR(50),
engine_size VARCHAR(20),
doors INT DEFAULT 4,
seats INT DEFAULT 5,
is_featured TINYINT(1) DEFAULT 0,
is_active TINYINT(1) DEFAULT 1,
order_index INT DEFAULT 0,
created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
updated_at DATETIME ON UPDATE CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 3. Vehicle Images Table
CREATE TABLE vehicle_images (
id INT AUTO_INCREMENT PRIMARY KEY,
vehicle_id INT NOT NULL,
image_url VARCHAR(500) NOT NULL,
alt_text VARCHAR(255),
order_index INT DEFAULT 0,
FOREIGN KEY (vehicle_id) REFERENCES vehicles(id) ON DELETE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 4. Visa Services Table
CREATE TABLE visa_services (
id INT AUTO_INCREMENT PRIMARY KEY,
country_code VARCHAR(3) NOT NULL,
country_name_fr VARCHAR(100) NOT NULL,
country_name_en VARCHAR(100),
flag_icon VARCHAR(100),
requirements_fr TEXT,
requirements_en TEXT,
documents_needed_fr TEXT,
documents_needed_en TEXT,
processing_time VARCHAR(50),
service_fee DECIMAL(10,2),
currency VARCHAR(10) DEFAULT 'USD',
is_active TINYINT(1) DEFAULT 1,
order_index INT DEFAULT 0,
created_at DATETIME DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 5. Import Services Table
CREATE TABLE import_services (
id INT AUTO_INCREMENT PRIMARY KEY,
service_name_fr VARCHAR(200) NOT NULL,
```

```sql
  service_name_en VARCHAR(200),
  slug VARCHAR(255) UNIQUE,
  description_fr TEXT,
  description_en TEXT,
  steps_fr TEXT,
  steps_en TEXT,
  countries_served TEXT,
  base_price DECIMAL(10,2),
  currency VARCHAR(10) DEFAULT 'USD',
  icon VARCHAR(50) DEFAULT 'fas fa-ship',
  is_active TINYINT(1) DEFAULT 1,
  order_index INT DEFAULT 0,
  created_at DATETIME DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 6. Payment Services Table
CREATE TABLE payment_services (
  id INT AUTO_INCREMENT PRIMARY KEY,
  operator_name VARCHAR(100) NOT NULL,
  operator_logo VARCHAR(500),
  description_fr TEXT,
  description_en TEXT,
  limits_info_fr TEXT,
  limits_info_en TEXT,
  daily_limit DECIMAL(15,2),
  monthly_limit DECIMAL(15,2),
  exchange_rate DECIMAL(10,4),
  currency_pair VARCHAR(20),
  is_active TINYINT(1) DEFAULT 1,
  order_index INT DEFAULT 0,
  created_at DATETIME DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 7. Vehicle Requests Table
CREATE TABLE vehicle_requests (
  id INT AUTO_INCREMENT PRIMARY KEY,
  vehicle_id INT,
  client_name VARCHAR(100) NOT NULL,
  client_email VARCHAR(100),
  client_phone VARCHAR(50) NOT NULL,
  client_whatsapp VARCHAR(50),
  message TEXT,
  status ENUM('new', 'in_progress', 'completed', 'cancelled') DEFAULT 'new',
  admin_notes TEXT,
  created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
  updated_at DATETIME ON UPDATE CURRENT_TIMESTAMP,
  FOREIGN KEY (vehicle_id) REFERENCES vehicles(id) ON DELETE SET NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 8. Visa Requests Table
```

```sql
CREATE TABLE visa_requests (
id INT AUTO_INCREMENT PRIMARY KEY,
visa_service_id INT,
client_name VARCHAR(100) NOT NULL,
client_email VARCHAR(100),
client_phone VARCHAR(50) NOT NULL,
client_whatsapp VARCHAR(50),
destination_country VARCHAR(100),
visa_type VARCHAR(100),
travel_date DATE,
additional_info TEXT,
status ENUM('new', 'in_progress', 'completed', 'cancelled') DEFAULT 'new',
admin_notes TEXT,
created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
updated_at DATETIME ON UPDATE CURRENT_TIMESTAMP,
FOREIGN KEY (visa_service_id) REFERENCES visa_services(id) ON DELETE SET NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 9. Import Requests Table
CREATE TABLE import_requests (
id INT AUTO_INCREMENT PRIMARY KEY,
import_service_id INT,
client_name VARCHAR(100) NOT NULL,
client_email VARCHAR(100),
client_phone VARCHAR(50) NOT NULL,
client_whatsapp VARCHAR(50),
origin_country VARCHAR(100),
destination_country VARCHAR(100),
cargo_type VARCHAR(100),
cargo_description TEXT,
estimated_weight VARCHAR(50),
status ENUM('new', 'in_progress', 'completed', 'cancelled') DEFAULT 'new',
admin_notes TEXT,
created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
updated_at DATETIME ON UPDATE CURRENT_TIMESTAMP,
FOREIGN KEY (import_service_id) REFERENCES import_services(id) ON DELETE SET NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 10. Payment Requests Table
CREATE TABLE payment_requests (
id INT AUTO_INCREMENT PRIMARY KEY,
payment_service_id INT,
client_name VARCHAR(100) NOT NULL,
client_phone VARCHAR(50) NOT NULL,
client_whatsapp VARCHAR(50),
operator VARCHAR(100),
amount DECIMAL(15,2),
currency VARCHAR(10),
transaction_type ENUM('send', 'receive', 'exchange') DEFAULT 'send',
status ENUM('new', 'in_progress', 'completed', 'cancelled') DEFAULT 'new',
```

```sql
admin_notes TEXT,
created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
updated_at DATETIME ON UPDATE CURRENT_TIMESTAMP,
FOREIGN KEY (payment_service_id) REFERENCES payment_services(id) ON DELETE SET NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 11. Pages Table (Editable Content)
CREATE TABLE pages (
id INT AUTO_INCREMENT PRIMARY KEY,
slug VARCHAR(100) NOT NULL UNIQUE,
title_fr VARCHAR(255) NOT NULL,
title_en VARCHAR(255),
content_fr LONGTEXT,
content_en LONGTEXT,
meta_description_fr VARCHAR(500),
meta_description_en VARCHAR(500),
featured_image VARCHAR(500),
is_active TINYINT(1) DEFAULT 1,
created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
updated_at DATETIME ON UPDATE CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- 12. Site Settings Table
CREATE TABLE site_settings (
id INT AUTO_INCREMENT PRIMARY KEY,
setting_key VARCHAR(100) NOT NULL UNIQUE,
setting_value TEXT,
setting_group VARCHAR(50) DEFAULT 'general',
setting_type ENUM('text', 'textarea', 'image', 'boolean', 'json') DEFAULT 'text',
created_at DATETIME DEFAULT CURRENT_TIMESTAMP,
updated_at DATETIME ON UPDATE CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

-- Default Settings
INSERT INTO site_settings (setting_key, setting_value, setting_group) VALUES
('site_name', 'SULOC', 'general'),
('site_tagline_fr', 'Success Logistics Company', 'general'),
('site_tagline_en', 'Success Logistics Company', 'general'),
('phone_primary', '+25762400920', 'contact'),
('phone_whatsapp', '+25762400920', 'contact'),
('email_primary', 'contact@suloc.com', 'contact'),
('address', 'Bujumbura, Burundi', 'contact'),
('facebook_url', '', 'social'),
('instagram_url', '', 'social'),
('linkedin_url', '', 'social'),
('whatsapp_message', 'Bonjour SULOC, je souhaite des informations sur...', 'whatsapp');

-- Default Admin User (password: admin123 - CHANGE IN PRODUCTION!)
INSERT INTO admin_users (username, password_hash, full_name, email, role) VALUES
```

```
('admin', '$2y$10$92IXUNpkjO0rOQ5byMi.Ye4oKoEa3Ro9llC/.og/at2.uheWG/igi', 'Administrateur
SULOC', 'admin@suloc.com', 'super_admin');
```

🏗️ System Architecture

File Structure

```
suloc/
├── index.php # Homepage
├── vehicles.php # Vehicle catalog
├── vehicle-detail.php # Single vehicle page
├── visa.php # Visa services hub
├── logistics.php # Import/logistics services
├── payments.php # Payment services guide
├── contact.php # Contact page
├── .htaccess # URL rewriting & security
├── .env # Environment variables
│
├── admin/
│   ├── index.php # Dashboard
│   ├── login.php # Authentication
│   ├── logout.php # Session termination
│   ├── vehicles.php # Vehicle management
│   ├── vehicle-images.php # Multi-image upload
│   ├── visa-services.php # Visa services management
│   ├── import-services.php # Import services management
│   ├── payment-services.php # Payment services management
│   ├── requests/
│   │   ├── index.php # All requests dashboard
│   │   ├── vehicle-requests.php # Vehicle inquiries
│   │   ├── visa-requests.php # Visa requests
│   │   ├── import-requests.php # Import requests
│   │   └── payment-requests.php # Payment requests
│   ├── pages.php # Content pages editor
│   ├── settings.php # Site settings
│   ├── upload-image.php # Image upload handler
│   ├── includes/
│   ├── admin-header.php # Admin navigation
│   ├── admin-footer.php # Admin footer
│   └── sidebar.php # Admin sidebar
│
├── config/
│   ├── config.php # Main configuration
│   ├── database.php # Database connection
│   ├── env.php # Environment loader
│
││
```

```
├── includes/
│   ├── header.php # Public header
│   ├── footer.php # Public footer
│   ├── whatsapp-widget.php # WhatsApp floating button
│   ├── language-switcher.php # FR/EN toggle
│   └── submit-handlers/
│       ├── vehicle-inquiry.php
│       ├── visa-request.php
│       ├── import-request.php
│       └── payment-request.php
│
├── css/
│   ├── main.css # Main stylesheet
│   ├── admin.css # Admin panel styles
│   └── mobile.css # Mobile optimizations
│
├── js/
│   ├── main.js # Main scripts
│   ├── forms.js # Form handling
│   ├── gallery.js # Image gallery
│   ├── filters.js # Vehicle filters
│   └── whatsapp.js # WhatsApp integration
│
├── uploads/
│   ├── vehicles/ # Vehicle images
│   ├── services/ # Service images
│   ├── operators/ # Payment operator logos
│   └── pages/ # Page content images
│
└── lib/
    └── PHPMailer/ # Email library
```

📋 Admin Backoffice Architecture

Dashboard Overview

```mermaid
flowchart TB
subgraph Dashboard
A[Statistics Cards] --> B[New Requests Count]
A --> C[Active Vehicles]
A --> D[Pending Visa Requests]
A --> E[Monthly Revenue]
end

subgraph QuickActions
F[Add Vehicle] --> G[Vehicle Form]
```

```
H[View Requests] --> I[Request Center]
J[WhatsApp Notifications] --> K[Send Bulk Message]
end

subgraph RecentActivity
L[Latest Requests] --> M[Quick Status Update]
N[Recent Vehicles] --> O[Edit/Delete Actions]
end
```

Admin Navigation Structure

Section	Icon	Description
Dashboard	`fas fa-tachometer-alt`	Overview & statistics
Vehicles	`fas fa-car`	Vehicle inventory management
Visa Services	`fas fa-passport`	Visa requirements by country
Logistics	`fas fa-ship`	Import/export services
Payments	`fas fa-money-bill-wave`	Mobile money operators
Requests	`fas fa-inbox`	All client requests
Pages	`fas fa-file-alt`	Editable content pages
Settings	`fas fa-cog`	Site configuration

Vehicle Management Features

1. **Add/Edit Vehicle Form**

- Brand, Model, Year selection
- Price with currency selector
- Transmission type (Auto/Manual)
- Fuel type dropdown
- Condition (New/Used/Certified)
- Multi-image upload with drag & drop
- Featured vehicle toggle
- Active/Inactive status

2. **Image Gallery Management**

- Drag & drop reordering
- Bulk upload support
- Image compression (< 200KB)
- Alt text for SEO
- Main image selection

3. **Request Center**
- Unified inbox for all request types
- Status workflow: New → In Progress → Completed
- WhatsApp quick reply button
- Export to CSV/Excel
- Filter by date, status, type

🌐 Public Frontend Architecture

Homepage Sections

```mermaid
flowchart TB
subgraph Hero
A[Hero Banner] --> B[Company Tagline]
A --> C[CTA Buttons]
A --> D[WhatsApp Quick Contact]
end

subgraph ServicesSlideshow
SS[Auto-rotating Slideshow] --> S1[Visa Assistance Slide]
SS --> S2[Logistics Slide]
SS --> S3[Admin Consulting Slide]
SS --> S4[Vehicle Import Slide]
S1 --> BTN1[Go to Visa Page]
S2 --> BTN2[Go to Logistics Page]
S3 --> BTN3[Go to Consulting Page]
S4 --> BTN4[Go to Vehicles Page]
end

subgraph Missions
E[4 Mission Cards] --> F[Visa Assistance]
E --> G[Logistics]
E --> H[Admin Consulting]
E --> I[Professional Intermediary]
end

subgraph FeaturedVehicles
J[Vehicle Carousel] --> K[Featured Cars]
J --> L[View All Button]
end

subgraph Services
M[Service Overview] --> N[Quick Links]
end

subgraph Contact
O[Contact Form] --> P[WhatsApp Integration]
O --> Q[Location Map]
end

subgraph FloatingWidgets
W1[WhatsApp Floating Button] --> W2[Click to Chat]
W3[Back to Top Button]
```

end
```

🎠 Services Slideshow Component

The homepage will feature a prominent auto-rotating slideshow showcasing SULOC's main services with navigation buttons to each service page.

Slideshow Specifications

Feature	Description
Auto-rotation	5-second intervals between slides
Manual Navigation	Dots and arrows for manual control
Pause on Hover	Stops auto-rotation when user hovers
Touch Support	Swipe gestures on mobile devices
Responsive	Full-width on all screen sizes
Service Buttons	Each slide has a CTA button to its service page
WhatsApp Button	Secondary button for instant contact

Slide Content Structure

Each slide contains:

1. **Background Image** - High-quality service-related image (optimized < 200KB)
2. **Overlay** - Semi-transparent navy blue (#0A2342) overlay for text readability
3. **Service Icon** - Font Awesome icon representing the service
4. **Service Title** - Bold heading in white
5. **Service Description** - Brief 2-line description
6. **CTA Button** - Gold (#D4AF37) button redirecting to service page
7. **WhatsApp Button** - Green button for instant contact

Slides Configuration

Slide	Service	Icon	Target Page	WhatsApp Message
1	Assistance Visa	`fas fa-passport`	`visa.php`	"Je souhaite des infos sur les visas"
2	Logistique & Transport	`fas fa-ship`	`logistics.php`	"Je souhaite des infos sur la logistique"
3	Conseil Administratif	`fas fa-file-alt`	`consulting.php`	"Je souhaite un conseil administratif"
4	Import Véhicules	`fas fa-car`	`vehicles.php`	"Je souhaite importer un véhicule"

Slideshow HTML Structure

```html
<!-- Services Slideshow -->
<section class="services-slideshow" id="services-slideshow">
```

```html
<!-- Slide 1: Visa Assistance -->
<div class="slide active" data-service="visa">
<div
class="slide-bg"
style="background-image: url'uploads/slides/visa-bg.jpg'"
></div>
<div class="slide-overlay"></div>
<div class="slide-content">
<div class="slide-icon">
<i class="fas fa-passport"></i>
</div>
<h2>Assistance Visa</h2>
<p>
Préparation de dossiers, vérification documentaire et orientation selon
le type de visa
</p>
<div class="slide-buttons">
<a href="visa.php" class="btn-gold">
<i class="fas fa-arrow-right"></i> Découvrir nos services
</a>
<a
href="#"
class="btn-whatsapp"
data-message="Je souhaite des informations sur les visas"
>
<i class="fab fa-whatsapp"></i> Contacter sur WhatsApp
</a>
</div>
</div>
</div>

<!-- Slide 2: Logistics -->
<div class="slide" data-service="logistics">
<div
class="slide-bg"
style="background-image: url'uploads/slides/logistics-bg.jpg'"
></div>
<div class="slide-overlay"></div>
<div class="slide-content">
<div class="slide-icon">
<i class="fas fa-ship"></i>
</div>
<h2>Logistique & Transport</h2>
<p>
Organisation du fret, suivi des expéditions et coordination avec les
partenaires maritimes
</p>
<div class="slide-buttons">
<a href="logistics.php" class="btn-gold">
<i class="fas fa-arrow-right"></i> Voir nos solutions
```

```html
        </a>
        <a
href="#"
class="btn-whatsapp"
data-message="Je souhaite des informations sur la logistique"
>
          <i class="fab fa-whatsapp"></i> Contacter sur WhatsApp
        </a>
      </div>
    </div>
  </div>

  <!-- Slide 3: Administrative Consulting -->
  <div class="slide" data-service="consulting">
    <div
class="slide-bg"
style="background-image: url'uploads/slides/consulting-bg.jpg'"
></div>
    <div class="slide-overlay"></div>
    <div class="slide-content">
      <div class="slide-icon">
        <i class="fas fa-file-alt"></i>
      </div>
      <h2>Conseil Administratif</h2>
      <p>
Informations fiables pour sécuriser vos démarches et optimiser votre
temps
      </p>
      <div class="slide-buttons">
        <a href="consulting.php" class="btn-gold">
          <i class="fas fa-arrow-right"></i> Demander un conseil
        </a>
        <a
href="#"
class="btn-whatsapp"
data-message="Je souhaite un conseil administratif"
>
          <i class="fab fa-whatsapp"></i> Contacter sur WhatsApp
        </a>
      </div>
    </div>
  </div>

  <!-- Slide 4: Vehicle Import -->
  <div class="slide" data-service="vehicles">
    <div
class="slide-bg"
style="background-image: url'uploads/slides/vehicles-bg.jpg'"
></div>
    <div class="slide-overlay"></div>
```

```html
<div class="slide-content">
<div class="slide-icon">
<i class="fas fa-car"></i>
</div>
<h2>Import de Véhicules</h2>
<p>Large sélection de véhicules importés avec accompagnement complet</p>
<div class="slide-buttons">
<a href="vehicles.php" class="btn-gold">
<i class="fas fa-arrow-right"></i> Voir le catalogue
</a>
<a
href="#"
class="btn-whatsapp"
data-message="Je souhaite importer un véhicule"
>
<i class="fab fa-whatsapp"></i> Contacter sur WhatsApp
</a>
</div>
</div>
</div>

<!-- Navigation Arrows -->
<button class="slideshow-arrow prev" aria-label="Previous slide">
<i class="fas fa-chevron-left"></i>
</button>
<button class="slideshow-arrow next" aria-label="Next slide">
<i class="fas fa-chevron-right"></i>
</button>

<!-- Navigation Dots -->
<div class="slideshow-dots">
<button
class="dot active"
data-slide="0"
aria-label="Go to slide 1"
></button>
<button class="dot" data-slide="1" aria-label="Go to slide 2"></button>
<button class="dot" data-slide="2" aria-label="Go to slide 3"></button>
<button class="dot" data-slide="3" aria-label="Go to slide 4"></button>
</div>
</section>
```

Slideshow CSS

```css
/* Services Slideshow Styles */
.services-slideshow {
position: relative;
width: 100%;
```

```css
  height: 500px;
  overflow: hidden;
  background-color: var(--suloc-navy);
}

@media (max-width: 768px) {
  .services-slideshow {
    height: 450px;
  }
}

.slide {
  position: absolute;
  width: 100%;
  height: 100%;
  opacity: 0;
  visibility: hidden;
  transition: opacity 0.8s ease-in-out, visibility 0.8s;
}

.slide.active {
  opacity: 1;
  visibility: visible;
}

.slide-bg {
  position: absolute;
  inset: 0;
  background-size: cover;
  background-position: center;
  background-repeat: no-repeat;
}

.slide-overlay {
  position: absolute;
  inset: 0;
  background: linear-gradient(
    135deg,
    rgba(10, 35, 66, 0.9),
    rgba(10, 35, 66, 0.7)
  );
}

.slide-content {
  position: relative;
  z-index: 10;
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
```

```css
  height: 100%;
  text-align: center;
  color: white;
  padding: 2rem;
  max-width: 800px;
  margin: 0 auto;
}

.slide-icon {
  width: 80px;
  height: 80px;
  background: var(--suloc-gold);
  border-radius: 50%;
  display: flex;
  align-items: center;
  justify-content: center;
  margin-bottom: 1.5rem;
}

.slide-icon i {
  font-size: 2.5rem;
  color: var(--suloc-navy);
}

.slide-content h2 {
  font-size: 2.5rem;
  font-weight: 700;
  margin-bottom: 1rem;
  text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.3);
}

@media (max-width: 768px) {
.slide-content h2 {
  font-size: 1.8rem;
}
}

.slide-content p {
  font-size: 1.2rem;
  opacity: 0.9;
  margin-bottom: 2rem;
  max-width: 600px;
}

.slide-buttons {
  display: flex;
  gap: 1rem;
  flex-wrap: wrap;
  justify-content: center;
}
```

```css
.btn-gold {
background-color: var(--suloc-gold);
color: var(--suloc-navy);
padding: 1rem 2rem;
border-radius: 50px;
font-weight: 700;
text-decoration: none;
transition: all 0.3s ease;
display: inline-flex;
align-items: center;
gap: 0.5rem;
}

.btn-gold:hover {
background-color: #b8962e;
transform: translateY(-2px);
box-shadow: 0 4px 15px rgba(212, 175, 55, 0.4);
}

.btn-whatsapp {
background-color: #25d366;
color: white;
padding: 1rem 2rem;
border-radius: 50px;
font-weight: 700;
text-decoration: none;
transition: all 0.3s ease;
display: inline-flex;
align-items: center;
gap: 0.5rem;
}

.btn-whatsapp:hover {
background-color: #128c7e;
transform: translateY(-2px);
}

/* Navigation Arrows */
.slideshow-arrow {
position: absolute;
top: 50%;
transform: translateY(-50%);
background: rgba(255, 255, 255, 0.2);
border: none;
color: white;
width: 50px;
height: 50px;
border-radius: 50%;
cursor: pointer;
```

```css
  transition: all 0.3s;
  z-index: 20;
}

.slideshow-arrow:hover {
  background: var(--suloc-gold);
  color: var(--suloc-navy);
}

.slideshow-arrow.prev {
  left: 20px;
}

.slideshow-arrow.next {
  right: 20px;
}

@media (max-width: 768px) {
  .slideshow-arrow {
    width: 40px;
    height: 40px;
  }
  .slideshow-arrow.prev {
    left: 10px;
  }
  .slideshow-arrow.next {
    right: 10px;
  }
}

/* Navigation Dots */
.slideshow-dots {
  position: absolute;
  bottom: 20px;
  left: 50%;
  transform: translateX(-50%);
  display: flex;
  gap: 10px;
  z-index: 20;
}

.dot {
  width: 12px;
  height: 12px;
  border-radius: 50%;
  background: rgba(255, 255, 255, 0.5);
  border: none;
  cursor: pointer;
  transition: all 0.3s;
}
```

```css
.dot:hover,
.dot.active {
background: var(--suloc-gold);
transform: scale(1.2);
}
```

Slideshow JavaScript

```javascript
/**
* SULOC Services Slideshow
* Auto-rotating slideshow with navigation and WhatsApp integration
*/
class ServicesSlideshow {
constructor(container) {
this.container = container;
this.slides = container.querySelectorAll(".slide");
this.dots = container.querySelectorAll(".dot");
this.prevBtn = container.querySelector(".slideshow-arrow.prev");
this.nextBtn = container.querySelector(".slideshow-arrow.next");
this.currentIndex = 0;
this.interval = null;
this.autoPlayDelay = 5000; // 5 seconds
this.whatsappNumber = "+25762400920"; // SULOC WhatsApp number

this.init();
}

init() {
this.addEventListeners();
this.startAutoPlay();
this.initWhatsAppButtons();
}

goToSlide(index) {
// Remove active class from current slide and dot
this.slides[this.currentIndex].classList.remove("active");
this.dots[this.currentIndex].classList.remove("active");

// Update index
this.currentIndex = index;

// Add active class to new slide and dot
this.slides[this.currentIndex].classList.add("active");
this.dots[this.currentIndex].classList.add("active");
}

nextSlide() {
```

```javascript
    const next = (this.currentIndex + 1) % this.slides.length;
    this.goToSlide(next);
  }

  prevSlide() {
    const prev =
(this.currentIndex - 1 + this.slides.length) % this.slides.length;
    this.goToSlide(prev);
  }

  startAutoPlay() {
    this.stopAutoPlay(); // Clear any existing interval
    this.interval = setInterval(() => this.nextSlide(), this.autoPlayDelay);
  }

  stopAutoPlay() {
    if (this.interval) {
      clearInterval(this.interval);
      this.interval = null;
    }
  }

  addEventListeners() {
    // Arrow buttons
    this.prevBtn.addEventListener("click", () => {
      this.prevSlide();
      this.startAutoPlay(); // Reset timer
    });

    this.nextBtn.addEventListener("click", () => {
      this.nextSlide();
      this.startAutoPlay(); // Reset timer
    });

    // Dot navigation
    this.dots.forEach((dot, index) => {
      dot.addEventListener("click", () => {
        this.goToSlide(index);
        this.startAutoPlay(); // Reset timer
      });
    });

    // Pause on hover
    this.container.addEventListener("mouseenter", () => this.stopAutoPlay());
    this.container.addEventListener("mouseleave", () => this.startAutoPlay());

    // Touch swipe support for mobile
    let touchStartX = 0;
    let touchEndX = 0;
```

```javascript
this.container.addEventListener(
  "touchstart",
  (e) => {
    touchStartX = e.touches[0].clientX;
  },
  { passive: true }
);

this.container.addEventListener(
  "touchend",
  (e) => {
    touchEndX = e.changedTouches[0].clientX;
    const diff = touchStartX - touchEndX;

    if (Math.abs(diff) > 50) {
      // Minimum swipe distance
      if (diff > 0) {
        this.nextSlide();
      } else {
        this.prevSlide();
      }
      this.startAutoPlay();
    }
  },
  { passive: true }
);

// Keyboard navigation
document.addEventListener("keydown", (e) => {
  if (e.key === "ArrowLeft") {
    this.prevSlide();
    this.startAutoPlay();
  } else if (e.key === "ArrowRight") {
    this.nextSlide();
    this.startAutoPlay();
  }
});
}

initWhatsAppButtons() {
  const whatsappBtns = this.container.querySelectorAll(".btn-whatsapp");

  whatsappBtns.forEach((btn) => {
    btn.addEventListener("click", (e) => {
      e.preventDefault();
      const message =
        btn.dataset.message || "Bonjour SULOC, je souhaite des informations";
      const encodedMessage = encodeURIComponent(message);
      const whatsappUrl = `https://wa.me/${this.whatsappNumber.replace(
        /[^0-9]/g,
```

```
    ""
)}?text=${encodedMessage}`;
window.open(whatsappUrl, "_blank");
});
});
}
}

// Initialize slideshow when DOM is ready
document.addEventListener("DOMContentLoaded", () => {
const slideshowContainer = document.querySelector(".services-slideshow");
if (slideshowContainer) {
new ServicesSlideshow(slideshowContainer);
}
});
```

💬 Floating WhatsApp Button

A persistent WhatsApp button will be displayed on all pages for instant contact:

```html
<!-- Floating WhatsApp Button -->
<div class="whatsapp-float" id="whatsapp-float">
<a
href="#"
class="whatsapp-btn"
id="whatsapp-btn"
aria-label="Contact us on WhatsApp"
>
<i class="fab fa-whatsapp"></i>
<span class="whatsapp-tooltip">Chattez avec nous!</span>
</a>
</div>
```

```css
/* Floating WhatsApp Button */
.whatsapp-float {
position: fixed;
bottom: 30px;
right: 30px;
z-index: 1000;
}

.whatsapp-btn {
display: flex;
align-items: center;
```

```css
  justify-content: center;
  width: 60px;
  height: 60px;
  background-color: #25d366;
  border-radius: 50%;
  color: white;
  font-size: 2rem;
  box-shadow: 0 4px 15px rgba(37, 211, 102, 0.4);
  transition: all 0.3s ease;
  animation: pulse 2s infinite;
}

.whatsapp-btn:hover {
  transform: scale(1.1);
  box-shadow: 0 6px 20px rgba(37, 211, 102, 0.6);
}

.whatsapp-tooltip {
  position: absolute;
  right: 70px;
  background: var(--suloc-navy);
  color: white;
  padding: 8px 15px;
  border-radius: 5px;
  font-size: 0.9rem;
  white-space: nowrap;
  opacity: 0;
  visibility: hidden;
  transition: all 0.3s;
}

.whatsapp-btn:hover .whatsapp-tooltip {
  opacity: 1;
  visibility: visible;
}

@keyframes pulse {
0% {
  box-shadow: 0 0 0 0 rgba(37, 211, 102, 0.7);
}
70% {
  box-shadow: 0 0 0 15px rgba(37, 211, 102, 0);
}
100% {
  box-shadow: 0 0 0 0 rgba(37, 211, 102, 0);
}
}

@media (max-width: 768px) {
.whatsapp-float {
```

```
bottom: 20px;
right: 20px;
}
.whatsapp-btn {
width: 55px;
height: 55px;
}
.whatsapp-tooltip {
display: none;
}
}
```

Vehicle Catalog Features

1. **Advanced Filters**

- Price range slider
- Brand multi-select
- Transmission type
- Fuel type
- Year range
- Condition

2. **Sorting Options**

- Price (Low to High / High to Low)
- Newest First
- Most Popular

3. **Vehicle Card Display**
- Main image with hover gallery
- Key specs (Year, Transmission, Fuel)
- Price with currency
- WhatsApp inquiry button
- Quick view modal

Visa Hub Features

1. **Country Selection**

- Flag icons for visual identification
- Search by country name
- Popular destinations highlighted

2. **Requirements Display**
- Document checklist
- Processing time

- Service fee
- Request assistance button

Payment Services Guide

1. **Operator Cards**

- Orange Money
- MTN Mobile Money
- Airtel Money
- M-Pesa

2. **Information Display**
- Daily/Monthly limits
- Exchange rates
- Service fees
- How-to guides

📱 WhatsApp Integration

Implementation Strategy

```javascript
// WhatsApp Configuration
const whatsappConfig = {
phoneNumber: "+25762400920",
defaultMessage: {
fr: "Bonjour SULOC, je souhaite des informations sur...",
en: "Hello SULOC, I would like information about...",
},
vehicleInquiry: {
fr: "Bonjour, je suis intéressé par le véhicule: {vehicle_name} - {price}",
en: "Hello, I am interested in the vehicle: {vehicle_name} - {price}",
},
visaInquiry: {
fr: "Bonjour, je souhaite des informations sur le visa pour {country}",
en: "Hello, I would like information about visa for {country}",
},
};
```

WhatsApp Widget Features

1. **Floating Button**

- Fixed position (bottom-right)
- Pulse animation for attention
- Click to open chat

2. **Pre-filled Messages**

- Context-aware messages based on page
- Vehicle details auto-included
- Service type pre-selected

3. **Business Hours Indicator**
- Online/Offline status
- Expected response time

📱 Mobile-First Optimization

Performance Targets for 3G Networks

Metric	Target	Strategy
First Contentful Paint	< 2s	Critical CSS inline
Time to Interactive	< 4s	Lazy loading
Image Size	< 200KB	WebP format, compression
Total Page Weight	< 1MB	Code splitting
Lighthouse Score	> 80	Progressive enhancement

Optimization Techniques

1. **Image Optimization**

```php
// Auto-compress on upload
function optimizeImage($sourcePath, $maxWidth = 800, $quality = 80) {
// Resize and compress to WebP
// Target: < 200KB per image
}
```

2. **Lazy Loading**

```html
<img loading="lazy" src="placeholder.jpg" data-src="actual-image.webp" />
```

3. **Critical CSS**

- Inline above-the-fold styles
- Defer non-critical CSS

4. **Service Worker**
- Cache static assets

- Offline fallback page

🌍 Multilingual Support (FR/EN)

Implementation Approach

```php
// Language detection and switching
function getCurrentLanguage() {
return $_SESSION['lang'] ?? $_COOKIE['lang'] ?? 'fr';
}

function t($key, $replacements = []) {
$lang = getCurrentLanguage();
$translations = include "lang/{$lang}.php";
$text = $translations[$key] ?? $key;

foreach ($replacements as $placeholder => $value) {
$text = str_replace("{{$placeholder}}", $value, $text);
}

return $text;
}
```

Translation Files Structure

```
lang/
├── fr.php # French translations
└── en.php # English translations
```

Database Content Strategy

- Dual columns for translatable content: `title_fr`, `title_en`
- Fallback to French if English not available
- Admin interface for managing translations

🔒 Security Implementation

Checklist

- [x] **Password Hashing**: `password_hash()` with `PASSWORD_DEFAULT`
- [x] **Prepared Statements**: PDO with parameterized queries
- [x] **CSRF Protection**: Token validation on all forms

- [x] **XSS Prevention**: `htmlspecialchars()` on all output
- [x] **Session Security**: HTTPOnly, Secure cookies
- [x] **Input Validation**: Server-side validation for all inputs
- [x] **File Upload Security**: Type validation, size limits, rename files
- [x] **HTTPS Enforcement**: Redirect HTTP to HTTPS
- [x] **Rate Limiting**: Prevent brute force attacks
- [x] **SQL Injection Prevention**: No raw queries

Security Headers

```php
// Security headers
header('X-Content-Type-Options: nosniff');
header('X-Frame-Options: SAMEORIGIN');
header('X-XSS-Protection: 1; mode=block');
header('Referrer-Policy: strict-origin-when-cross-origin');
header('Content-Security-Policy: default-src \'self\'');
```

🚀 Development Phases

Phase 1: Foundation & Security

- [ ] Set up project structure based on CICESE patterns
- [ ] Configure database and create all 12 tables
- [ ] Implement authentication system with password hashing
- [ ] Create admin dashboard with statistics
- [ ] Apply SULOC brand colors and styling

Phase 2: Vehicle Management Module

- [ ] Build vehicle CRUD operations
- [ ] Implement multi-image upload with drag & drop
- [ ] Create vehicle catalog with advanced filters
- [ ] Build vehicle detail page with gallery
- [ ] Add vehicle inquiry form with WhatsApp integration

Phase 3: Service Modules

- [ ] Develop Visa Services management and display
- [ ] Build Import/Logistics services module
- [ ] Create Payment Services guide with operator info
- [ ] Implement service-specific request forms

Phase 4: Request Center

- [ ] Build unified request inbox
- [ ] Implement status workflow management

- [ ] Add WhatsApp quick reply functionality
- [ ] Create export functionality (CSV/Excel)
- [ ] Build notification system

Phase 5: Mobile Optimization & WhatsApp

- [ ] Optimize images for 3G networks
- [ ] Implement lazy loading throughout
- [ ] Add service worker for offline support
- [ ] Integrate WhatsApp floating widget
- [ ] Test on low-bandwidth connections

Phase 6: Multilingual & Polish

- [ ] Implement language switching (FR/EN)
- [ ] Translate all static content
- [ ] Add admin interface for translations
- [ ] Final UI/UX polish
- [ ] Performance optimization

Phase 7: Testing & Deployment

- [ ] Security audit
- [ ] Cross-browser testing
- [ ] Mobile device testing
- [ ] Load testing
- [ ] Production deployment
- [ ] Documentation

✅ Success Criteria

The project will be considered complete when:

1. **Admin Capability**: SULOC admin can modify 100% of texts and images without technical intervention
2. **User Journey**: Clients have a smooth path from information (advice) to contact (request)
3. **Security**: Platform is secured (HTTPS, prepared statements) and fast on smartphones
4. **Performance**: Pages load in < 4 seconds on 3G networks
5. **WhatsApp**: Direct contact channel is fully functional
6. **Bilingual**: Full FR/EN support implemented

📊 Component Reuse from CICESE

Directly Reusable Components

| Component | Source File | Adaptation Needed |

| ------------------ | -- | ----------------------- |
Database Connection	[`config/database.php`](config/database.php)	Update credentials
Authentication	[`admin/login.php`](admin/login.php)	Rebrand UI
Image Upload	[`admin/upload-image.php`](admin/upload-image.php)	Add compression
Settings Management	[`admin/settings.php`](admin/settings.php)	Add new fields
Form Handling	[`js/forms.js`](js/forms.js)	Add WhatsApp integration
Admin Header	[`admin/includes/admin-header.php`](admin/includes/admin-header.php)	Update navigation

Components Requiring Significant Modification

Component	Changes Required
Services Module	Adapt for Visa/Import/Payment services
Projects Module	Transform into Vehicles module
Contact Form	Add service-specific forms
CSS Theme	Apply SULOC color scheme

New Components to Build

- Vehicle catalog with filters
- Multi-image gallery management
- WhatsApp integration widget
- Language switcher
- Request center dashboard
- Mobile money operator guide

📝 Notes for Implementation

1. **Start with database schema** - All other components depend on it
2. **Build admin first** - Enables content population during development
3. **Mobile-first CSS** - Design for mobile, enhance for desktop
4. **Test on real 3G** - Use network throttling in browser dev tools
5. **WhatsApp API** - Use wa.me links for simplicity (no API key needed)

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