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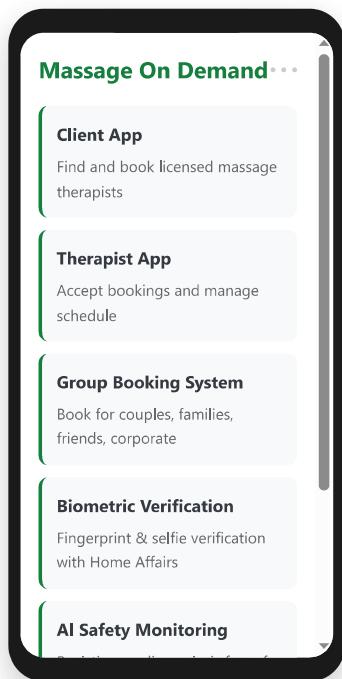
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Complete Massage On Demand Service Architecture

On-demand massage therapy platform - Version 1.0.0 BETA

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Mobile Applications



The Massage On Demand mobile application provides a seamless experience for both clients and therapists, with advanced safety features and group booking capabilities.

Backend CRM & Management System

CONFIDENTIAL - Proprietary system architecture

U User Management

Handles client and therapist registration, profiles, authentication, and role-based access control.

B Booking Engine

Manages appointment scheduling, availability, matching therapists with clients, and calendar integration.

G Group Booking System

Handles multi-person sessions, therapist allocation, and group pricing structures.

V Verification System

Identity verification, background checks, certification validation, and therapist onboarding.

A AI Safety Monitoring

Real-time audio analysis for safe word detection during sessions with emergency response.

P Payment Processing

Automated weekly payouts, invoicing, refunds, and financial transaction tracking.

O Onboarding System

Automated video assessments, document verification, and training for new therapists.

E Emergency Response

Manages panic button alerts, live audio/video streaming, and SAPS integration for user safety.

Biometric Verification System

Advanced identity verification integrating with Home Affairs database:

- Fingerprint scanning during registration
- Selfie matching with ID documents
- Real-time Home Affairs verification
- Secure biometric data encryption

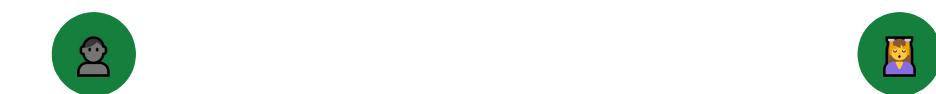
AI-Powered Safety System

Continuous audio monitoring during sessions:

- Real-time safe word detection ("MASSAGE EMERGENCY")
- Automatic alert escalation to CRM operators
- SAPS integration with live location sharing
- Incident recording for evidence preservation

CONFIDENTIAL - System architecture and integration details

System Architecture: UML Diagram



Panic Button Access

Safety Monitoring

API Communication (Home Affairs, PayFast, Ozow, Lexis Nexis)

Massage On Demand Booking Engine

Cloud CRM System
Google Cloud Platform

Real-time Data Sync

Standard Bank
API Gateway

Absa Bank
Open Banking API

FNB
API Portal

Database

AI Safety

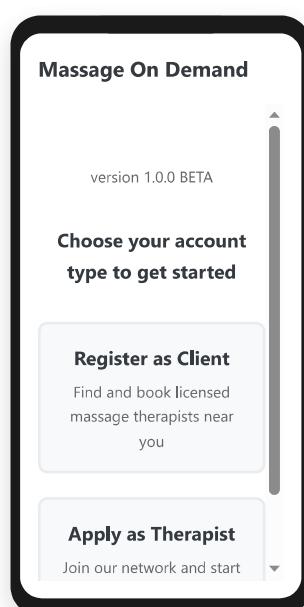
Payment

User Data
Bookings
PaymentsAudio Analysis
Safe Word
Detection
Emergency AlertsProcessing
Payouts
Invoicing

Complete Application Screens

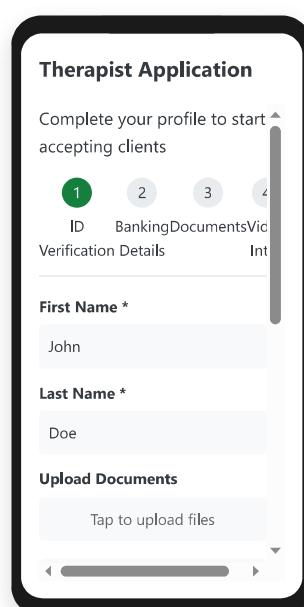
CONFIDENTIAL - Proprietary UI/UX designs and workflows

Home & Account Selection



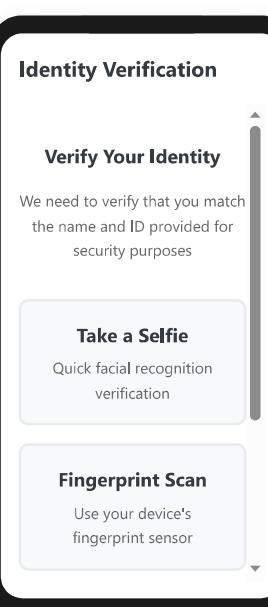
Dual Platform Access
Separate interfaces for clients and therapists with appropriate features and verification levels.

Therapist Application



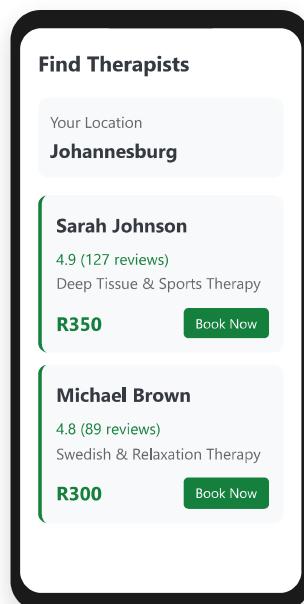
Automated Therapist Onboarding
Comprehensive verification process with in-app video assessments and biometric verification.

Identity Verification



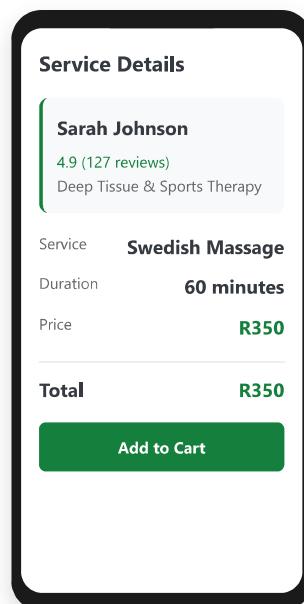
Biometric Security
Advanced identity verification with fingerprint and facial recognition integrated with Home Affairs database.

Find Therapists



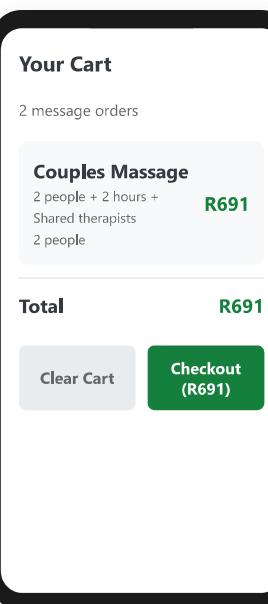
Therapist Discovery
Find licensed therapists with ratings, reviews, and specialized services in your area.

Service Details



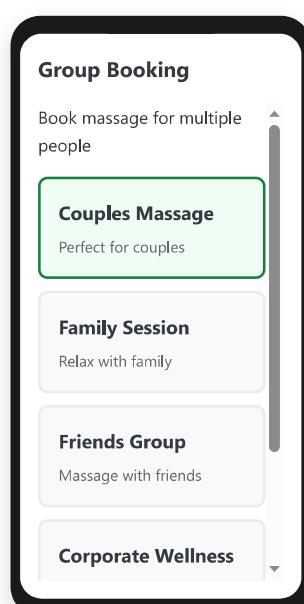
Service Selection
Detailed service information with transparent pricing and easy booking process.

Shopping Cart



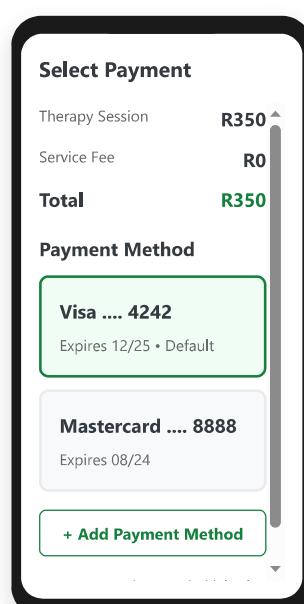
Cart Management
Manage multiple bookings with group sessions and individual appointments in one cart.

Group Booking



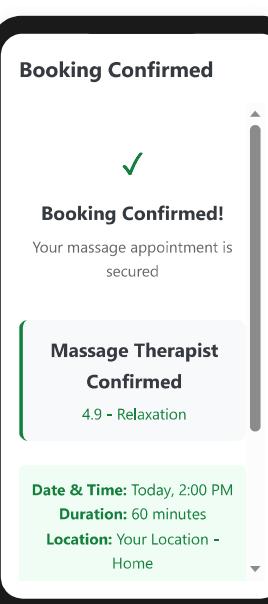
Group Booking Options

Payment Selection



Secure Payments

Booking Confirmed



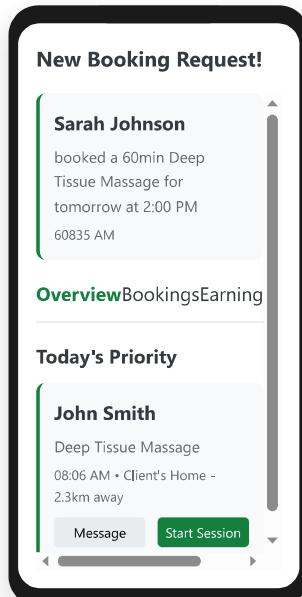
Booking Management

Flexible group session types with customized experiences for different occasions.

Multiple payment methods with bank-level encryption and secure transaction processing.

Instant confirmation with detailed session information and sharing capabilities.

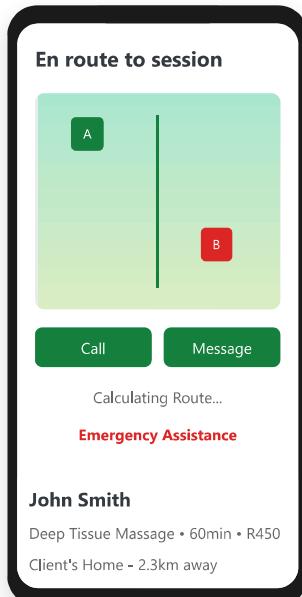
Therapist Dashboard



Therapist Management

Complete dashboard for therapists to manage bookings, clients, and earnings.

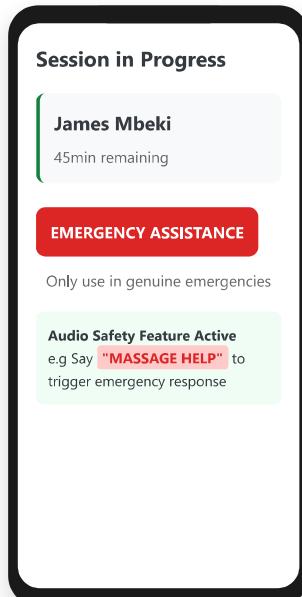
Therapist Navigation



Navigation & Safety

Integrated navigation with client communication and emergency assistance access.

Session in Progress



Dual Safety System

Panic button and AI audio monitoring with safe word detection for comprehensive safety.

CONFIDENTIAL - Proprietary business processes and workflows

Patent Claims

CONFIDENTIAL - Intellectual property and patent information

Title: System and Method for Secure On-Demand Massage Services with AI-Powered Safety Features

Inventor: Alsonia Duroy

Claim 1:

A system for providing on-demand massage services comprising: a mobile application for clients to book massage sessions; a mobile application for therapists to accept bookings; a cloud-based CRM system managing user interactions; and an AI-powered safety monitoring system that processes audio (Speech to Text) during sessions to detect emergency safe words.

Claim 2:

The system of claim 1, further comprising a group booking module that enables multiple clients to book simultaneous sessions with configurable therapist arrangements including shared therapists or individual dedicated therapists.

Claim 3:

The system of claim 1, wherein the AI-powered safety monitoring system comprises: real-time audio processing during active massage sessions; a safe word detection algorithm trained to recognize "MASSAGE EMERGENCY"; automatic alert escalation to CRM operators; and integration with law enforcement systems for emergency response.

Claim 4:

The system of claim 1, further comprising a biometric verification system integrating with government identity databases for fingerprint verification, selfie matching with official documents, and real-time Home Affairs authentication during therapist onboarding.

Claim 5:

The system of claim 1, further comprising dual panic button interfaces accessible to both clients and therapists during active sessions, wherein activation triggers: live audio and video streaming to CRM operators; GPS location sharing with emergency services; notification of predefined emergency contacts; and incident recording with timestamped evidence.

Claim 6:

The system of claim 1, further comprising an automated therapist onboarding system with in-app video assessments, automated document verification, and structured training modules facilitated by the CRM system.

Claim 7:

The system of claim 1, further comprising an automated payment processing system that calculates and disburses weekly payments to therapists based on completed sessions, with integrated fee management and payout tracking.

Claim 8:

A method for providing secure on-demand massage services comprising the steps of: verifying therapist identities through biometric authentication; matching clients with available therapists based on location and service requirements; monitoring active sessions with AI-powered audio analysis; and providing emergency response through integrated panic buttons and safe word detection.

CONFIDENTIAL - Document classification and distribution control

Massage On Demand Complete Architecture Diagram

Patent Pending - System and Method for Secure On-Demand Massage Services

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