**Project Scope Document — SOS Tourist Doctor App (MVP)**

**1. 🔍 Scope Summary**

**Project Name:** SOS Tourist Doctor  
**Type:** Bilingual (EN/FR) Mobile App (iOS + Android)  
**Goal:** Deliver fast, secure, on-demand medical consultations for tourists visiting Mauritius via chat, video, or in-person visits, with e‑prescription and Stripe prepayment.  
**MVP Timeline:** 7 weeks (see breakdown in Timeline section)  
**Budget Class:** Lean startup (team ≤ 5)

**2. ✅ In-Scope Deliverables**

**👤 User Authentication & Onboarding**

* Language selector (EN/FR)
* Social login (Google/Apple/Email)
* Tourist profile wizard (name, passport number, symptoms, etc.)
* GDPR & data consent prompts

**🧑‍⚕️ Doctor Discovery & Booking**

* List doctors by specialty/availability
* Select consultation type (Video / Chat / Home Visit)
* View available slots & real-time availability
* Confirm & pay fixed Rs 500 fee via Stripe
* Live booking confirmation

**📞 Real-Time Consultations**

* Secure 1:1 chat (Supabase Realtime)
* WebRTC video call (via Expo AV / Jitsi fallback)
* Attachments (photos, PDF uploads)
* Real-time typing & read receipts

**💊 e-Prescription Module**

* Doctor generates & signs prescription PDF
* Tourist views/downloads PDF in-app
* Hotline to local pharmacies (manual)

**🧾 Payment & Refunds**

* Stripe integration (test + live keys)
* Card-on-file for fast checkout
* Auto-refund trigger from admin panel (48h window)
* View payment history

**🔔 Notification System**

* Push notifications (booking, chat, reminders)
* In-app notifications with real-time sync

**🧑‍💼 Admin Dashboard (Web)**

* Manage doctor profiles & availability
* View appointments and statuses
* Prescription and refund logs
* Analytics: Consult volume, response time, refunds
* RLS-secured access (admins only)

**🔐 Security & Compliance**

* Supabase RLS (per-row access control)
* GDPR + DPDP compliance
* Account deletion logic & cron anonymizer
* Audit trail of consults and payments

**3. 🚫 Out-of-Scope for MVP**

(Planned for **Post-MVP v1.1+** or later stages)

| **Deferred Feature** | **Reason** |
| --- | --- |
| Dynamic pricing by doctor | MVP uses flat Rs 500 fee |
| Integrated pharmacy delivery tracking | Manual pharmacy hotline used initially |
| Insurance data / claim integration | Scope creep and local insurer complexity |
| Biometric login (Face ID / Touch ID) | Login security handled via OAuth for now |
| SMS fallback | Push covers primary use cases for tourists |
| Apple Health / Google Fit data sync | Not critical for first consult |
| Doctor multi-calendar sync (Google/Outlook) | In-app availability management sufficient |
| Video consult recording | Privacy and compliance risk; not essential |
| Multi-user family account | Only one tourist/patient per profile for now |

**4. 📦 Non-Functional Requirements (NFRs)**

| **Category** | **Requirement** |
| --- | --- |
| **Performance** | Booking time ≤ 60 sec, Consult SLA ≤ 2 min |
| **Scalability** | Handle 500 concurrent users on Supabase free tier |
| **Availability** | Uptime 99.5%+, offline mode fallback for chat queue |
| **Security** | Full RLS, encrypted media, JWT-based session tokens |
| **Localization** | Full EN/FR translations; RTL not required |
| **Responsiveness** | Mobile screens (iPhone SE → Android Tablet) |
| **Maintainability** | Modular React Native + Supabase schema management |

**5. 📅 MVP Milestones (Scope Freeze Anchors)**

| **Milestone** | **Locked Deliverables** |
| --- | --- |
| **Week 1** | Supabase DB schema + RLS, UI Kit, repo setup |
| **Week 2** | Onboarding, Auth, Profile wizard |
| **Week 3–4** | Booking flows, Doctor list, Payment integration |
| **Week 5** | Chat, Video, Notifications |
| **Week 6** | e‑Prescription, Admin Dashboard |
| **Week 7** | QA, Penetration test, TestFlight & Closed Play beta |

**6. 🧯 Scope Risk Areas**

| **Risk** | **Containment** |
| --- | --- |
| Overengineering UI / animations | Focus on function over polish (Tailwind system only) |
| Compliance ambiguity (telehealth laws) | Partner with licensed clinics for launch |
| Real-time video issues | Fallback to async chat flow |
| Stripe local currency payout issue | Pre-test live MRU payout; use sandbox with beta testers |

**7. 🧩 Dependencies**

* Supabase (DB, Auth, Realtime, Storage)
* Stripe (live payment setup, MRU testing)
* React Native (Expo + EAS build setup)
* Figma design (already in final prototype)
* 2–3 part-time doctors for beta testing (onboarded manually)
* Pharmacy contact list for hotline

**✅ Scope Approval Criteria (Go/No-Go)**

* All MVP modules functional (chat, booking, consult, payment, Rx)
* Admin can see/manage all records securely
* App available on both stores in closed beta
* Push notification + video call work on real devices
* Stripe live mode functional and tested in MRU