Rejuvenators Mobile Massage Booking PWA

A Progressive Web App for booking in-home massage services with real-time therapist matching and payment processing.

Features

- Customer Booking Flow: 9-step guided booking process
- Real-time Therapist Matching: 2-minute response window with automatic fallback
- Payment Integration: Secure payment processing with Stripe
- Admin Dashboard: Complete oversight of bookings, users, and revenue
- PWA Capabilities: Installable, offline-capable, and auto-updating
- Responsive Design: Mobile-first approach with desktop compatibility

Tech Stack

- Frontend: React 18 with Hooks
- **Database**: Supabase (PostgreSQL with Row-Level Security)
- Authentication: Supabase Auth
- Payments: Stripe
- Email: EmailJS
- Maps: Google Maps API
- Hosting: Netlify
- **CI/CD**: GitHub Actions + Netlify

Prerequisites

- Node.js 16+ and npm
- Supabase account and project
- Stripe account
- EmailJS account
- Google Cloud account (for Maps API)
- GitHub account
- Netlify account

Setup Instructions

1. Clone and Install

```
git clone <your-repo-url>
cd rejuvenators-mobile-massage
npm install
```

2. Configure Supabase

- 1. Create a new Supabase project
- 2. Run the schema SQL from (supabase/schema.sql)
- 3. Enable Email Auth in Authentication settings
- 4. Copy your project URL and anon key

3. Configure Environment Variables

- 1. Copy (.env.example) to (.env)
- 2. Fill in all required values:

bash

```
REACT_APP_SUPABASE_URL=your_supabase_url
REACT_APP_SUPABASE_KEY=your_supabase_anon_key
REACT_APP_STRIPE_KEY=your_stripe_publishable_key
REACT_APP_EMAILJS_USER=your_emailjs_user_id
REACT_APP_EMAILJS_SERVICE=your_emailjs_service_id
REACT_APP_EMAILJS_TEMPLATE=your_emailjs_template_id
REACT_APP_GOOGLE_API_KEY=your_google_maps_api_key
```

4. Configure Stripe

- 1. Get your publishable key from Stripe Dashboard
- 2. Set up webhook endpoints for payment confirmations
- 3. Configure test mode for development

5. Configure EmailJS

- 1. Create email templates for:
 - Booking requests to therapists
 - Booking confirmations to customers
 - Admin notifications
- 2. Note your service ID, template ID, and user ID

6. Configure Google Maps

- 1. Enable Maps JavaScript API and Places API
- 2. Add your domain to allowed referrers
- 3. Copy your API key

7. Local Development

bash

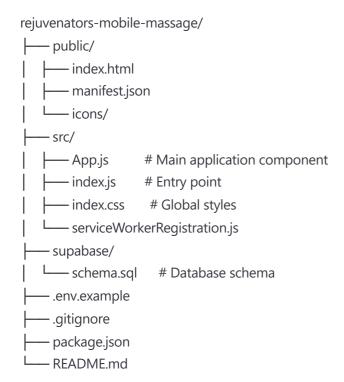
npm start

The app will run at (http://localhost:3000)

8. Deploy to Netlify

- 1. Push your code to GitHub
- 2. In Netlify: New Site from Git → Select your repo
- 3. Build settings:
 - Build command: (npm run build)
 - Publish directory: (build)
- 4. Add all environment variables in Netlify UI
- 5. Deploy!

Project Structure



User Roles

Customer

- Sign up and book massages
- Select from 5 service types
- Choose therapist based on proximity
- Make secure payments
- View booking history

Therapist

- Receive real-time booking requests
- Accept/decline within 2 minutes
- View assigned bookings
- Update availability

Admin

- Monitor all bookings
- View revenue reports
- Manage users and services
- Access analytics dashboard

PWA Features

- Installable: Add to home screen on mobile/desktop
- Offline Support: Service worker caching
- Auto Updates: Background sync for new versions
- Push Notifications: Booking alerts (future enhancement)

Security

- Supabase Row-Level Security policies
- Secure payment tokenization with Stripe
- Environment variables for sensitive data
- HTTPS enforced on production

Development Workflow

- 1. Create feature branch: (git checkout -b feature/your-feature)
- 2. Make changes and test locally
- 3. Commit: (git commit -m "Add your feature"

- 4. Push: (git push origin feature/your-feature)
- 5. Create Pull Request
- 6. Merge to main → Auto-deploy to Netlify

Testing

```
bash
# Run tests
npm test
# Run with coverage
npm test ---coverage
```

Troubleshooting

Common Issues

- 1. **Supabase connection errors**: Check your URL and anon key
- 2. Stripe not loading: Ensure publishable key is correct
- 3. Maps not showing: Verify API key and enabled APIs
- 4. Email not sending: Check EmailJS configuration

Debug Mode

bash

Add to (.env) for verbose logging:

REACT_APP_DEBUG=true

Future Enhancements

- Push notifications for booking updates
- Multi-language support
- Therapist calendar integration
- Customer loyalty program
- Advanced analytics dashboard
- Mobile app versions (React Native)

Support

For issues or questions:

- Check existing GitHub issues
- Create new issue with reproduction steps
- Contact support@rejuvenators.com

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