

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

bash

```
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

```
rejuvenators-mobile-massage/
├── public/
│   ├── index.html
│   ├── manifest.json
│   └── icons/
├── src/
│   ├── App.js      # Main application component
│   ├── index.js    # Entry point
│   ├── index.css   # Global styles
│   └── serviceWorkerRegistration.js
├── supabase/
│   └── schema.sql  # Database schema
├── .env.example
├── .gitignore
├── package.json
└── README.md
```

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

Add to `.env` for verbose logging:

```
bash
```

```
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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