

VoseMovies - Complete Release Documentation

Version 1.0.0

November 2025

Table of Contents

1. [Project Overview](#)
 2. [Quick Start Guide](#)
 3. [Deployment Guide](#)
 4. [Release Checklist](#)
 5. [Privacy Policy](#)
 6. [Terms of Service](#)
 7. [Security Policy](#)
 8. [Contributing Guidelines](#)
 9. [Code of Conduct](#)
 10. [Legal Web Scraping](#)
 11. [Changelog & Roadmap](#)
 12. [License](#)
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Chapter 1: Project Overview

VoseMovies - Original Version Movie Finder for Balearic Islands

Purpose: Find VOSE (Original Version with Spanish Subtitles) movie showtimes across all cinemas in Mallorca, Menorca, and Ibiza.

Key Features

- 🎬 Real-time VOSE showtimes from all major cinemas
- 📅 Week-ahead schedule viewing
- 🌴 Filter by island (Mallorca, Menorca, Ibiza)
- 🎭 Cinema-specific filtering
- 🌐 Offline support with smart caching
- 📱 Native Android app (React Native)
- ↻ Auto-updating showtime data

Supported Cinemas

1. **CineCiutat** (Palma, Mallorca) - Full week support (8 days)
2. **Ocimax Palma** (Mallorca)
3. **Rívoli** (Palma, Mallorca)
4. **Augusta** (Palma, Mallorca)
5. **Aficine Manacor** (Mallorca)
6. **Ocimax Maó** (Menorca)
7. **Multicines Eivissa** (Ibiza)

Technology Stack

Frontend:

- Framework: React Native with Expo
- Language: TypeScript
- UI: Custom React Native components

- State Management: React Hooks
- API Client: Fetch API with caching

Backend:

- Framework: FastAPI (Python 3.10+)
- Database: SQLite (production: PostgreSQL recommended)
- Web Scraping: Selenium + BeautifulSoup4
- External APIs: TMDB API (movie metadata)

Project Structure

```
vosemovies/
├── vosemovies-backend/      # Python FastAPI backend
│   ├── api/                # API routes and models
│   ├── scrapers/           # Cinema website scrapers
│   ├── vose_movies.db       # SQLite database
│   └── requirements.txt
├── vosemovies-frontend/    # React Native Expo app
│   ├── src/
│   │   ├── screens/        # App screens
│   │   ├── components/     # Reusable components
│   │   └── services/        # API clients
│   └── package.json
└── release-docs/           # Public release documentation
```

Data Sources

This app aggregates publicly available showtime information from:

- **CineCiutat:** <https://cineciutat.org>
- **Aficine:** <https://aficine.com>

TMDB Attribution: This product uses the TMDB API but is not endorsed or certified by TMDB.

Privacy & Data

VoseMovies respects user privacy:

- **No user accounts** - App works without registration
- **No personal data collection** - No emails, names, or tracking
- **Local data only** - Cached showtimes stored on device only
- **No analytics** - No usage tracking or telemetry

Chapter 2: Quick Start Guide

Prerequisites

- Node.js 18+ and npm
- Python 3.10+
- ChromeDriver (for web scraping)
- Android Studio (for development)
- TMDb API key (get one free at <https://www.themoviedb.org/settings/api>)

Installation Steps

1. Clone the Repository

```
git clone https://github.com/yourusername/vosemovies.git
cd vosemovies
```

2. Backend Setup

```
cd vosemovies-backend
python3 -m venv venv
source venv/bin/activate # On Windows: venv\Scripts\activate
pip install -r requirements.txt
pip install -r api/requirements.txt

# Configure environment
cp .env.example .env
# Edit .env and add your TMDb_API_KEY

# Start backend
./start-backend.sh
```

3. Frontend Setup

```
cd ../vosemovies-frontend
npm install

# Start Expo development server
npx expo start
```

4. Run Scrapers (Populate Database)

```
cd ../vosemovies-backend
./run-scrapers.sh
```

5. Open in Android Emulator

- Press `a` in Expo terminal to launch Android emulator

Configuration

Backend Environment Variables

```
# Required
TMDB_API_KEY=your_tmdb_api_key_here

# Optional (defaults provided)
API_HOST=0.0.0.0
API_PORT=8000
DATABASE_URL=sqlite:///./vose_movies.db
SCRAPER_HEADLESS=true
```

Frontend API URL

Edit `src/services/api/backendApi.ts`:

```
// Development (Android Emulator)
BASE_URL: 'http://10.0.2.2:8000'

// Production
BASE_URL: 'https://your-backend-domain.com'
```

Testing

Backend API Health Check

```
curl http://localhost:8000/health
curl http://localhost:8000/showtimes/today
```

Frontend Testing

1. Test on Android emulator
 2. Test on physical device (via Expo Go)
 3. Test offline functionality
 4. Test pull-to-refresh
-

Chapter 3: Deployment Guide

Backend Deployment Options

Option 1: Railway (Recommended)

Pros: Easy setup, auto-scaling, built-in PostgreSQL, HTTPS included

Cost: ~\$5-20/month

Steps:

1. Create Railway Account at <https://railway.app>
2. Create New Project → Deploy from GitHub repo
3. Add PostgreSQL Database

4. Configure Environment Variables:

```
TMDB_API_KEY=your_tmdb_api_key DATABASE_URL=${{Postgres.DATABASE_URL}}  
API_HOST=0.0.0.0 API_PORT=8000 SCRAPER_HEADLESS=true  
CORS_ORIGINS=https://your-frontend-domain.com
```

5. Create `Dockerfile` in backend root:

```
``dockerfile  
FROM python:3.10-slim
```

```
# Install Chrome and ChromeDriver
```

```
RUN apt-get update && apt-get install -y \  
chromium \  
chromium-driver \  
&& rm -rf /var/lib/apt/lists/*
```

```
WORKDIR /app
```

```
COPY requirements.txt api/requirements.txt ./
```

```
RUN pip install --no-cache-dir -r requirements.txt
```

```
COPY . .
```


CMD ["uvicorn", "api.main:app", "--host", "0.0.0.0", "--port", "8000"]

...

1. Deploy (Railway auto-deploys on git push)

Option 2: DigitalOcean App Platform

Cost: ~\$12-25/month

Steps:

1. Apps → Create App → GitHub
2. Configure Backend:
3. Build Command: `pip install -r requirements.txt && pip install -r api/requirements.txt`
4. Run Command: `uvicorn api.main:app --host 0.0.0.0 --port 8000`
5. HTTP Port: 8000
6. Add PostgreSQL Database (\$7/month)
7. Set Environment Variables
8. Deploy

Option 3: AWS EC2

Cost: ~\$10-50/month (t2.micro eligible for free tier)

Steps:

1. Launch EC2 Instance (Ubuntu 22.04 LTS)
2. SSH into Instance
3. Install Dependencies:
`bash sudo apt update && sudo apt upgrade -y sudo apt install -y python3.10 python3-pip python3-venv git \ chromium-browser chromium-chromedriver nginx certbot python3-certbot-nginx`
4. Clone and Setup
5. Create Systemd Service
6. Configure Nginx
7. SSL Certificate with Let's Encrypt

8. Setup Cron for Scrapers

Automated Scraper Scheduling

Option 1: Cron (Linux)

```
crontab -e
# Add: 0 */4 * * * cd /path/to/backend && ./run-scrapers.sh >> scraper.log 2>&1
```

Option 2: External Cron Service

- Use cron-job.org (free tier)
- Schedule: Every 4 hours
- Endpoint: `GET /scrape` (with auth token)

Frontend Deployment

Google Play Store (Android)

Prerequisites:

- Google Play Developer Account (\$25 one-time fee)
- Android app signing key
- Prepared assets (icon, screenshots, descriptions)

Steps:

1. Prepare App for Production

Update `app.json` :

```
json { "expo": { "version": "1.0.0", "android": { "versionCode": 1,
"package": "com.vosemovies.app", "permissions": ["INTERNET"] } } }
```

1. Build APK/AAB

```
bash cd vosemovies-frontend eas build --platform android --profile
production
```

2. Test Build

3. Download APK from EAS

4. Install on physical device

5. Test all features

6. Create Play Store Listing

7. App name: VoseMovies

8. Category: Entertainment

9. Content rating: Complete questionnaire

10. Prepare Store Assets

11. Icon: 512x512 PNG

12. Feature graphic: 1024x500 PNG

13. Screenshots: At least 2 (1080x1920)

14. Short description (80 chars): "Find original version movies with Spanish subtitles in Balearic Islands"




15. Upload APK/AAB

16. Content Rating

17. **Submit for Review** (1-3 days review time)

Database Considerations

Development: SQLite

-  Simple, file-based
-  No setup required
-  Not suitable for production with multiple scrapers

Production: PostgreSQL (Recommended)

Providers:

- Railway: Included in platform
- DigitalOcean Managed Database: \$7/month
- AWS RDS: ~\$15/month
- Supabase: Free tier available

Monitoring and Maintenance

Health Checks

UptimeRobot (free tier):

- Monitor: <https://api.vosemovies.com/health>
- Interval: Every 5 minutes
- Alert: Email if down

Logging

Backend logs:

```
import logging

logging.basicConfig(
    level=logging.INFO,
    format='%(asctime)s - %(name)s - %(levelname)s - %(message)s',
    handlers=[
        logging.FileHandler('app.log'),
        logging.StreamHandler()
    ]
)
```

Database Backups

Automated backups:

- Railway: Automatic daily backups
- DigitalOcean: Daily backups included
- AWS RDS: Enable automated backups (7-day retention)

Cost Estimate

Minimal Setup (~\$12/month)

- Railway (backend + PostgreSQL): \$10
- Domain name: \$12/year (\$1/month)
- SSL: Free (Let's Encrypt)

Recommended Setup (~\$32/month)

- Railway backend: \$20
 - DigitalOcean PostgreSQL: \$7
 - Domain: \$1/month
 - Monitoring (Better Uptime): \$10
 - Google Play Developer: \$25 one-time
-

Chapter 4: Release Checklist

Use this checklist before releasing to production or submitting to app stores.

Pre-Release Preparation

Documentation

- ☐ README.md complete with all sections
- ☐ PRIVACY_POLICY.md reviewed and legally compliant
- ☐ TERMS_OF_SERVICE.md reviewed
- ☐ CHANGELOG.md updated with version changes
- ☐ DEPLOYMENT.md has clear instructions
- ☐ All placeholder emails replaced with real contacts

Code Quality

- ☐ All TODO comments addressed or documented
- ☐ No hardcoded secrets (API keys, passwords)
- ☐ `.env.example` files updated with all variables
- ☐ Unused code removed
- ☐ Console.log statements removed or minimized
- ☐ Error handling implemented for all network requests
- ☐ Loading states implemented for all async operations

Backend

- ☐ All scrapers tested and working
- ☐ Database migrations tested
- ☐ API endpoints return correct data
- ☐ CORS configured for production domain (not `*`)
- ☐ Rate limiting implemented
- ☐ Health check endpoint functional: `/health`

- ☐ PostgreSQL configured (or production-ready database)
- ☐ Environment variables documented
- ☐ Scraper automation configured (cron job)
- ☐ Logs configured and accessible
- ☐ Error tracking set up

Frontend

- ☐ Backend API URL updated to production
- ☐ App version incremented in `app.json`
- ☐ All development-only features removed
- ☐ Offline mode tested
- ☐ Pull-to-refresh tested
- ☐ Empty states tested (no data scenarios)
- ☐ Error states tested (network failure)
- ☐ Loading states tested
- ☐ App icon finalized (512x512 PNG)
- ☐ Splash screen configured
- ☐ App name confirmed

Security

- ☐ HTTPS enforced (backend)
- ☐ Secrets stored in environment variables only
- ☐ No sensitive data logged
- ☐ Input validation implemented
- ☐ SQL injection prevention (using ORM)
- ☐ XSS prevention implemented
- ☐ CORS restricted to frontend domain
- ☐ Dependencies updated (no known vulnerabilities)

Testing

Backend Testing

- ☐ Manual API testing (health, showtimes, cinemas)
- ☐ Scraper tested (recent data)

- ☐ Database queries tested (performance)
- ☐ Load testing performed (optional but recommended)

Frontend Testing

- ☐ Tested on Android emulator
- ☐ Tested on physical Android device
- ☐ Tested on slow network (throttle to 3G)
- ☐ Tested offline functionality
- ☐ Tested app restart (state persistence)
- ☐ Tested different screen sizes
- ☐ No crashes in normal usage
- ☐ All buttons and links functional

Legal & Compliance

Privacy (GDPR)

- ☐ Privacy policy hosted and accessible
- ☐ Privacy policy URL added to app stores
- ☐ No personal data collected (confirmed)
- ☐ Data processing documented
- ☐ User rights explained (access, deletion)

App Store Requirements

- ☐ Google Play Developer account active (\$25 paid)
- ☐ Privacy policy publicly accessible (URL required)
- ☐ Content rating completed
- ☐ Target audience specified
- ☐ App category selected: Entertainment
- ☐ Store assets prepared

Google Play Store Assets

Required Graphics

- ☐ **App Icon:** 512x512 PNG (no transparency)
- ☐ **Feature Graphic:** 1024x500 PNG

- ☐ **Screenshots:** Minimum 2, maximum 8 (1080x1920)

Store Listing Text

- ☐ **App Name:** VoseMovies
- ☐ **Short Description** (80 chars): "Find original version movies with Spanish subtitles in Balearic Islands"
- ☐ **Full Description** (4000 chars max)
- ☐ **Keywords/Tags:** VOSE, movies, cinema, Mallorca, Balearic Islands

Deployment

Backend Deployment

- ☐ Production server configured
- ☐ Domain name configured (api.vosemovies.com)
- ☐ SSL certificate installed (HTTPS)
- ☐ Environment variables set on server
- ☐ Database created and connected
- ☐ Scrapers scheduled (cron job every 4 hours)
- ☐ Monitoring configured
- ☐ Backup strategy implemented
- ☐ Deployment tested

Frontend Deployment (Play Store)

- ☐ Production build generated
- ☐ APK/AAB tested on physical device
- ☐ Version number incremented
- ☐ Build uploaded to Google Play Console
- ☐ Store listing completed
- ☐ Screenshots uploaded
- ☐ Privacy policy URL added
- ☐ Content rating completed
- ☐ Release notes written
- ☐ App submitted for review

Post-Deployment Verification

- ☐ Backend health check passing
- ☐ Scrapers running automatically
- ☐ API returning fresh data
- ☐ App connects to production backend
- ☐ All features working in production
- ☐ No errors in logs
- ☐ Database backup verified

Version Release Process

Pre-Release (1 week before)

1. ☐ Code freeze announced
2. ☐ Testing phase begins
3. ☐ Documentation updated
4. ☐ Changelog finalized
5. ☐ Release notes drafted

Release Day

1. ☐ Final testing completed
2. ☐ Version number updated
3. ☐ Git tag created: `v1.0.0`
4. ☐ GitHub release created
5. ☐ Backend deployed to production
6. ☐ Frontend build generated
7. ☐ Play Store submission

Post-Release (First 24 hours)

1. ☐ Monitor crash reports
2. ☐ Check user reviews
3. ☐ Verify scraper automation
4. ☐ Monitor API performance
5. ☐ Respond to early feedback

Final Sign-Off

- ☐ **Project Lead** approval
 - ☐ **QA Testing** completed
 - ☐ **Legal Review** completed
 - ☐ **Security Audit** passed
 - ☐ **Backup Strategy** verified
 - ☐ Approved for production deployment
 - ☐ Approved for Play Store submission
-

Chapter 5: Privacy Policy

Effective Date: November 11, 2025

Last Updated: November 11, 2025









Introduction

VoseMovies ("we," "our," or "the App") is committed to protecting your privacy. This Privacy Policy explains how we handle information when you use our mobile application.

Key Principle: VoseMovies is designed with privacy as a core feature. We do not collect, store, or transmit any personal data.

Information We Do NOT Collect

VoseMovies does **not** collect, store, or process:

-  Personal identification information (name, email, phone number)
-  User accounts or login credentials
-  Location data (GPS, IP addresses)
-  Usage analytics or behavioral tracking
-  Device identifiers (IMEI, advertising IDs)
-  Cookies or tracking technologies
-  Payment information
-  Contacts, photos, or other device data

Data We Process Locally

The app stores the following data **only on your device** (never transmitted to our servers):

1. Cached Showtime Data

- **What:** Movie titles, cinema names, showtime schedules
- **Why:** To enable offline viewing and faster app performance

- **Where:** Local device storage only
- **Duration:** Cached for 24 hours, then automatically refreshed
- **Control:** You can clear cache via the app's trash icon

2. App Preferences

- **What:** User interface settings (if any)
- **Where:** Local device storage only
- **Control:** Cleared when you uninstall the app

Data We Access

Public Cinema Showtime Data

VoseMovies retrieves publicly available movie showtime information from:

- CineCiutat (<https://cineciutat.org>)
- Aficine (<https://aficine.com>)

This data is:

- Already publicly accessible on cinema websites
- Not associated with any user
- Used only to display current movie showtimes

Movie Metadata (TMDB)

We fetch movie posters, ratings, and descriptions from The Movie Database (TMDB) API. TMDB may collect limited technical data as described in their privacy policy.

Network Requests

The app makes network requests to:

1. **Our Backend API** (self-hosted)
2. Purpose: Fetch current showtime data
3. Data sent: None (no user identifiers)
4. Data received: Movie showtimes (public data)
5. **TMDB API** (themoviedb.org)

6. Purpose: Fetch movie metadata (posters, ratings)
7. Data sent: Movie titles (no user data)
8. Data received: Movie information (public data)

No user-identifiable information is included in any network request.

Third-Party Services

The Movie Database (TMDB)

- We use TMDB's API for movie metadata
- TMDB's privacy policy: <https://www.themoviedb.org/privacy-policy>
- No personal data is shared with TMDB

No Analytics or Tracking

- We do **not** use Google Analytics, Firebase Analytics, Facebook SDK, or any tracking services
- We do **not** display advertisements
- We do **not** use crash reporting services that collect user data

Children's Privacy

VoseMovies does not knowingly collect data from children under 13 (or 16 in the EU). Since we collect no personal data from anyone, the app is safe for all ages. However, movie content ratings should be reviewed by parents/guardians.

Your Rights (GDPR Compliance)

Under GDPR and other privacy laws, you have rights regarding your data. Since VoseMovies does not collect personal data, most rights are not applicable. However:

- **Right to Access:** No personal data is collected, so there is nothing to access.
- **Right to Deletion:** Uninstalling the app removes all local data.
- **Right to Object:** You can stop using the app at any time.
- **Right to Complain:** Contact your local data protection authority if you have concerns.

Data Security

While we do not collect personal data, we implement security best practices:

- Backend API uses HTTPS encryption
- No user authentication means no password breaches
- Local cache is device-encrypted (by Android OS)
- No centralized user database

Changes to This Policy

We may update this Privacy Policy to reflect changes in:

- App functionality
- Legal requirements
- Best practices

Notification: Significant changes will be announced via:

- In-app notification
- Updated "Last Modified" date above
- GitHub repository update log

Your Consent: Continued use of the app after policy changes constitutes acceptance.

Data Retention

Since we do not collect personal data, there is no retention policy. Local cache is automatically refreshed every 24 hours and is deleted when you uninstall the app.

International Data Transfers

VoseMovies is designed for users in the Balearic Islands (Spain, EU). Our backend server is located in the EU. Since no personal data is collected, GDPR international transfer provisions do not apply.

Contact Us

If you have questions about this Privacy Policy or data practices:

Email: privacy@vosemovies.com

GitHub: <https://github.com/yourusername/vosemovies/issues>

Response Time: We aim to respond within 7 business days.

Legal Basis for Data Processing (GDPR)

Since VoseMovies does not process personal data, no legal basis under GDPR Article 6 is required. The app operates without user identification or tracking.

Compliance

This privacy policy complies with:

- EU General Data Protection Regulation (GDPR)
- Spanish Organic Law 3/2018 (LOPDGDD)
- Google Play Store Developer Policy
- Apple App Store Review Guidelines (future iOS release)

Summary

VoseMovies is a privacy-first app. We collect no personal data, use no tracking, and display no ads. Your movie browsing is completely private.

Chapter 6: Terms of Service

Effective Date: November 11, 2025

Last Updated: November 11, 2025

1. Acceptance of Terms

By downloading, installing, or using VoseMovies ("the App"), you agree to these Terms of Service ("Terms"). If you do not agree, do not use the App.

Changes to Terms: We may update these Terms at any time. Continued use after changes constitutes acceptance.

2. Description of Service

VoseMovies provides:

- Aggregated movie showtime information from public cinema websites
- VOSE (Original Version with Spanish Subtitles) movie listings
- Cinema location and contact information
- Movie metadata (posters, ratings, descriptions) from TMDB

The App is free to use with no subscription fees or in-app purchases.

3. User Eligibility

- The App is available to users of all ages
- Movie content ratings are provided for reference
- Parents/guardians should review content suitability for children
- By using the App, you confirm you meet any age requirements in your jurisdiction

4. Acceptable Use

You MAY:

- ✓ Use the App to find VOSE movie showtimes
- ✓ Share the App with friends and family
- ✓ Provide feedback and suggestions
- ✓ Use the App for personal, non-commercial purposes

You MAY NOT:

- ✗ Reverse engineer, decompile, or disassemble the App
- ✗ Use the App for any illegal or unauthorized purpose
- ✗ Attempt to access our servers or APIs in unauthorized ways
- ✗ Scrape, harvest, or copy data from the App for commercial purposes
- ✗ Distribute modified versions of the App
- ✗ Remove copyright or proprietary notices
- ✗ Use the App to spam or harass cinemas

5. No User Accounts

VoseMovies operates without user accounts:

- No registration required
- No passwords to remember
- No email verification
- No personal data collected

6. Data Accuracy and Availability

Showtime Data

- We aggregate data from public cinema websites
- Showtimes are provided "as is" without warranty of accuracy
- **Always verify showtimes on official cinema websites** before making plans
- We are not responsible for incorrect, outdated, or missing showtimes

Service Availability

- We strive for 99% uptime but cannot guarantee continuous availability
- The App may be temporarily unavailable for maintenance or updates
- We reserve the right to discontinue the service at any time

7. Third-Party Content and Links

Cinema Websites

- Links to cinema websites are provided for convenience
- We are not responsible for third-party website content or availability
- Ticket purchases are made directly with cinemas (not through our App)

TMDB (The Movie Database)

- Movie metadata provided by TMDB API
- Subject to TMDB Terms of Use
- "This product uses the TMDB API but is not endorsed or certified by TMDB"

8. Intellectual Property

Our Content

- VoseMovies app design, code, and branding: © 2025 VoseMovies
- Licensed under MIT License (open source)
- Source code available at GitHub

Third-Party Content

- Cinema names, logos, branding: © respective cinema owners
- Movie posters, titles, ratings: © respective copyright holders (via TMDB)
- We claim no ownership of cinema or movie content

9. Disclaimers and Limitations of Liability

AS-IS Service

THE APP IS PROVIDED "AS IS" WITHOUT WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED.

Limitation of Liability

TO THE MAXIMUM EXTENT PERMITTED BY LAW, VOSEMOVIES SHALL NOT BE LIABLE FOR:

- Missed movies due to incorrect showtime data
- Ticket purchase issues with cinema websites
- Travel expenses or wasted time
- Data loss or corruption
- Device damage
- Indirect, incidental, consequential, or punitive damages

Maximum Liability: In no event shall our liability exceed €10 (ten euros).

10. Cinema Relationships

No Affiliation

- VoseMovies is **not affiliated** with any cinema chain
- We do not sell tickets or process payments
- We do not have access to cinema booking systems
- Cinema names used for informational purposes only

11. Web Scraping Compliance

We respect website terms and implement ethical scraping:

- Comply with robots.txt directives
- Implement rate limiting and delays
- Cache data to minimize requests
- Provide proper attribution and links

12. Termination

Your Right to Terminate

You may stop using the App at any time by uninstalling it.

Our Right to Terminate

We may terminate or suspend service access immediately for:

- Violation of these Terms
- Suspected illegal activity
- Excessive API usage or abuse
- Legal requirements

13. Governing Law and Jurisdiction

- These Terms are governed by the laws of Spain
- Disputes shall be resolved in the courts of Palma de Mallorca, Spain
- EU residents retain statutory consumer rights under EU law

14. Contact Information

For Terms-related questions:

Email: legal@vosemovies.com

GitHub: <https://github.com/yourusername/vosemovies/issues>

For Support:

Email: support@vosemovies.com

15. Open Source Acknowledgment

VoseMovies is open source (MIT License). Contributions are welcome. By contributing, you agree to license your contributions under the same license.

Summary (Not Legally Binding)

In plain language:

-  Use the App to find VOSE movies

- ⚠ Always double-check showtimes with cinemas
 - 🔧 Contact us with questions or feedback
 - 🚫 Don't abuse the service or violate laws
 - 🔒 Read our Privacy Policy - we don't collect your data!
-

Chapter 7: Security Policy

Supported Versions

| Version | Supported |
|---------|-----------|
| 1.x.x | ✓ |
| < 1.0 | ✗ |

Reporting a Vulnerability



Private Reporting (Preferred)

DO NOT create a public GitHub issue for security vulnerabilities.

Report privately via:

1. **Email:** security@vosemovies.com
2. Subject: "[SECURITY] Brief description"
3. Include: Detailed description, steps to reproduce, potential impact
4. **GitHub Security Advisories** (if enabled)



What to Include

- Type of vulnerability (XSS, SQL injection, etc.)
- Affected component (backend API, frontend, scraper)
- Attack scenario (how it could be exploited)
- Proof of concept
- Potential impact
- Suggested fix (if you have one)
- Your contact info



Response Timeline

- **Initial response:** Within 72 hours
- **Status update:** Within 7 days
- **Fix timeline:** Varies by severity
- **Public disclosure:** After fix is released



Severity Levels

Critical (Fix within 7 days)

- Remote code execution
- Authentication bypass
- Data breach

High (Fix within 30 days)

- Privilege escalation
- SQL injection
- Cross-site scripting (XSS)

Medium (Fix within 90 days)

- Denial of service (DoS)
- Information disclosure (non-sensitive)
- Security misconfiguration

Low (Best effort)

- Minor information leakage
- Missing security headers
- Non-exploitable bugs

Security Best Practices

For Users



Keep the app updated



Download from official sources



Verify HTTPS



Don't share TMDB API keys

For Developers

- ✓ Never commit secrets
- ✓ Validate all inputs
- ✓ Use parameterized queries
- ✓ Enable CORS properly
- ✓ Keep dependencies updated

For Backend Deployers

- ✓ Use HTTPS only
- ✓ Set strong secrets
- ✓ Limit CORS origins
- ✓ Enable rate limiting
- ✓ Regular backups
- ✓ Monitor logs
- ✓ Update dependencies

Security Features

Backend

- ✓ FastAPI with automatic input validation
- ✓ Parameterized SQL queries (SQLAlchemy ORM)
- ✓ HTTPS support
- ✓ CORS configuration
- ✓ No password storage

Frontend

- ✓ React Native security defaults
- ✓ HTTPS-only API calls
- ✓ No embedded secrets
- ✓ Minimal permissions requested
- ✓ No third-party tracking libraries

Compliance

GDPR (EU Data Protection)

- **No personal data collected:** App is GDPR-compliant by design
- **Data minimization:** Only public showtime data stored
- **Right to be forgotten:** Not applicable (no user accounts)

Google Play Security

- App complies with Google Play Developer Policy
- Regular security reviews before Play Store updates

Contact

- **Security issues:** security@vosemovies.com
 - **General questions:** support@vosemovies.com
-

Chapter 8: Contributing Guidelines

How Can I Contribute?



Reporting Bugs

Before submitting:

- Check existing issues to avoid duplicates
- Update to the latest version
- Collect relevant information (device, Android version, steps to reproduce)

Submitting a bug report:

1. Use the Bug Report template
2. Include clear, descriptive title
3. Provide step-by-step reproduction steps
4. Show expected vs actual behavior
5. Add screenshots if applicable
6. Include device info



Suggesting Features

Before suggesting:

- Check if it already exists in the roadmap
- Search existing feature requests

Suggesting a feature:

1. Use the Feature Request template
2. Explain the problem you're trying to solve
3. Describe proposed solution
4. List alternative solutions considered
5. Identify who would benefit



Improving Documentation

Documentation improvements are always welcome:

- Fix typos or clarify confusing sections

- Add missing setup instructions
- Translate to Spanish or Catalan
- Create video tutorials or guides

Adding New Cinemas

To add support for a new cinema:

1. **Check if cinema offers VOSE**
2. **Create a scraper** - Follow the pattern in scrapers
3. **Test thoroughly**
4. **Add cinema metadata**
5. **Update documentation**

Development Workflow

1. Fork and Clone

```
git clone https://github.com/YOUR_USERNAME/vosemovies.git
cd vosemovies
git remote add upstream https://github.com/ORIGINAL_OWNER/vosemovies.git
```

2. Create a Branch

```
git checkout -b feature/add-cinema-xyz
git checkout -b fix/showtime-parsing-bug
git checkout -b docs/update-setup-guide
```

Branch naming convention:

- `feature/` - New features
- `fix/` - Bug fixes
- `docs/` - Documentation updates
- `refactor/` - Code refactoring
- `test/` - Test additions or fixes

3. Set Up Development Environment

Backend:

```
cd vosemovies-backend
python3 -m venv venv
source venv/bin/activate
pip install -r requirements.txt
cp .env.example .env
```

Frontend:

```
cd vosemovies-frontend
npm install
```

4. Make Your Changes

Code Style:

Python (Backend):

- Follow PEP 8
- Use type hints
- Write docstrings
- Run `black` for formatting

TypeScript (Frontend):

- Use `prettier`
- Strict TypeScript (avoid `any`)
- Functional components with hooks
- Consistent naming

Commit Messages:

Use Conventional Commits:

```
feat: add Multicines Ibiza scraper
fix: handle empty showtime dates
docs: update deployment guide
refactor: extract date parsing utility
test: add unit tests for scraper
```

5. Test Your Changes

Backend tests:

```
cd vosemovies-backend  
pytest
```

Frontend tests:

```
cd vosemovies-frontend  
npm test
```

Manual testing:

- Run scrapers
- Start backend
- Start frontend
- Test on Android

Checklist before submitting:

- [] Code follows style guidelines
- [] Self-review completed
- [] Comments added for complex logic
- [] Documentation updated
- [] No new warnings or errors
- [] Tested on Android

6. Submit a Pull Request

```
git add .  
git commit -m "feat: add support for Cinema XYZ"  
git push origin feature/add-cinema-xyz
```

On GitHub:

1. Navigate to your fork
2. Click "New Pull Request"
3. Fill out the PR template
4. Submit and wait for review

Review Process

1. **Automated checks** - CI/CD runs tests
2. **Code review** - Maintainer reviews code

3. **Discussion** - Address feedback

4. **Approval** - PR will be merged

Areas Needing Contributions

High Priority

- ☐ iOS app version
- ☐ Push notifications
- ☐ Unit tests for scrapers
- ☐ Spanish/Catalan translations
- ☐ Additional cinema scrapers

Medium Priority

- ☐ Dark mode theme
- ☐ User favorites/bookmarks
- ☐ Calendar export (ICS format)
- ☐ Performance optimizations
- ☐ Accessibility improvements

Recognition

Contributors are recognized in:

- CONTRIBUTORS.md
- GitHub Contributors page
- App "About" section (for significant contributions)

Thank you for making VoseMovies better! 🎬🍿







Chapter 9: Code of Conduct

Our Pledge






We pledge to make participation in VoseMovies a harassment-free experience for everyone, regardless of age, body size, disability, ethnicity, gender identity, experience level, nationality, appearance, race, religion, or sexual orientation.

Our Standards

Examples of behavior that contributes to a positive environment:

-  Demonstrating empathy and kindness
-  Being respectful of differing opinions
-  Giving and accepting constructive feedback
-  Accepting responsibility and apologizing
-  Focusing on what is best for the community
-  Using welcoming and inclusive language

Examples of unacceptable behavior:

-  Sexualized language or imagery
-  Trolling, insulting comments, or personal attacks
-  Public or private harassment
-  Publishing others' private information
-  Inappropriate professional conduct

Enforcement Responsibilities

Project maintainers are responsible for clarifying and enforcing standards of acceptable behavior.

Scope

This Code of Conduct applies within all community spaces, including:

- GitHub repository
- Project communication channels
- Public spaces when representing the project

Enforcement

Reporting

Report instances of unacceptable behavior to:

Email: conduct@vosemovies.com

All complaints will be reviewed promptly and fairly.

Enforcement Guidelines

1. Correction

Community Impact: Inappropriate language or unprofessional behavior.

Consequence: Private warning with explanation.

2. Warning

Community Impact: A violation through single incident or series of actions.

Consequence: Warning with consequences for continued behavior.

3. Temporary Ban

Community Impact: Serious violation of community standards.

Consequence: Temporary ban from community interaction.

4. Permanent Ban

Community Impact: Pattern of violations or sustained inappropriate behavior.

Consequence: Permanent ban from community.

Attribution

This Code of Conduct is adapted from the Contributor Covenant, version 2.1.

Questions

Contact us at: conduct@vosemovies.com

Chapter 10: Legal Web Scraping

Ethical Web Scraping Practices

VoseMovies implements responsible web scraping:

1. Respect robots.txt

```
# Always check robots.txt before scraping
# Example: https://cineciutat.org/robots.txt
```

2. Rate Limiting

- Implement delays between requests (2-5 seconds)
- Limit concurrent connections
- Use polite User-Agent strings

3. Caching

- Cache results locally
- Reduce unnecessary requests
- Update data on reasonable schedules (every 4 hours)

4. Attribution

- Provide links to original sources
- Credit cinema websites prominently
- Display "Data from CineCiutat" notices

5. Legal Compliance

- Scraping public information only
- No circumvention of paywalls or logins
- No ToS violations
- Comply with local laws (Spain, EU)

Legal Considerations

In Spain/EU:

- Scraping publicly accessible data is generally legal
- Must not violate copyright or database rights
- Must respect GDPR for personal data
- Commercial use may have additional restrictions

Best Practices:

- Only scrape publicly available information
- Do not overload servers
- Honor takedown requests promptly
- Maintain good faith relationships with data sources

Cinema Website Policies

CineCiutat

- Public showtime data
- No explicit anti-scraping ToS
- Polite scraping allowed

Aficine

- Public showtime listings
- Standard rate limiting applied
- Proper attribution provided

Contact for Cinema Owners

If you represent a cinema and have concerns about data usage:

Email: legal@vosemovies.com

We will:

- Respond within 48 hours

- Honor removal requests
 - Adjust scraping frequency if needed
 - Provide proper attribution
-

Chapter 11: Changelog & Roadmap

Changelog

[1.0.0] - 2025-11-11



Initial Release

Core Features:

- Real-time VOSE showtime aggregation
- Week-ahead schedule viewing (8 days)
- Filter by island and cinema
- Offline support with 24-hour caching
- Pull-to-refresh functionality
- Native Android app

Supported Cinemas:

- CineCiutat (Palma, Mallorca)
- Ocimax Palma (Mallorca)
- Rívoli (Palma, Mallorca)
- Augusta (Palma, Mallorca)
- Aficine Manacor (Mallorca)
- Ocimax Maó (Menorca)
- Multicines Eivissa (Ibiza)

Backend:

- FastAPI REST API
- SQLite database with auto-initialization
- Automated web scraping (Selenium + BeautifulSoup4)
- TMDB integration for movie metadata
- Health check endpoint
- CORS configuration

Frontend:

- React Native with Expo
- TypeScript for type safety
- Custom showtime cards

- Date-grouped display
- Empty state handling
- Loading states and error handling

Documentation:

- Complete README
- GDPR-compliant Privacy Policy
- Terms of Service
- Contributing guidelines
- Security policy
- Deployment guide

Known Limitations

- Android only (iOS planned)
- Requires internet for initial data fetch
- Showtime accuracy depends on upstream sources
- No user accounts or push notifications

Roadmap

[1.1.0] - Planned (Q1 2026)

- ☐ Push notifications for new VOSE releases
- ☐ User favorites (local storage only)
- ☐ Dark mode theme
- ☐ Calendar export (ICS format)
- ☐ Deep linking support

[1.2.0] - Planned (Q2 2026)

- ☐ iOS version
- ☐ Additional cinema scrapers
- ☐ Improved offline support
- ☐ Advanced filtering (genre, rating)

[2.0.0] - Planned (Q3 2026)

- ☐ Backend user accounts (optional)

- ☐ Cloud-synced favorites
 - ☐ Push notification preferences
 - ☐ Trailer integration
 - ☐ Social sharing features
-

Chapter 12: License

MIT License

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The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Third-Party Licenses and Attributions

The Movie Database (TMDB)

- Movie metadata provided by TMDB API
- TMDB Terms: <https://www.themoviedb.org/terms-of-use>

- "This product uses the TMDB API but is not endorsed or certified by TMDB"

Cinema Data Sources

- **CineCiutat:** Showtime data from <https://cineciutat.org>
- **Aficine:** Showtime data from <https://aficine.com>
- Cinema names and logos are trademarks of their respective owners

Open Source Dependencies

Backend (Python):

- FastAPI (MIT License)
- SQLAlchemy (MIT License)
- Selenium (Apache 2.0 License)
- BeautifulSoup4 (MIT License)
- Uvicorn (BSD License)

Frontend (JavaScript/TypeScript):

- React Native (MIT License)
- Expo (MIT License)
- TypeScript (Apache 2.0 License)
- React (MIT License)

All dependencies maintain their original licenses. See respective package repositories for full license texts.

Appendix: Contact Information

General Support

- **Email:** support@vosemovies.com
- **GitHub Issues:** <https://github.com/yourusername/vosemovies/issues>

Security

- **Email:** security@vosemovies.com
- **Report:** See Security Policy chapter

Legal

- **Email:** legal@vosemovies.com
- **Privacy:** privacy@vosemovies.com

Contributing

- **Email:** contribute@vosemovies.com
- **Discussions:** <https://github.com/yourusername/vosemovies/discussions>

Document Version: 1.0.0

Last Updated: November 11, 2025

Prepared for: Public Release and App Store Submission

Made with  for the English-speaking community in the Balearic Islands