

# OPEN SOURCE & HOSTING

MessFinder is an open-source web app built with modern frontend technologies and hosted on a reliable cloud platform to ensure performance, availability, and ease of deployment.

## Open-Source Codebase

- **Version Control:** Managed with Git, hosted on GitHub for collaboration and transparency.
- **Tech Stack:**
  - *Frontend:* React.js, JavaScript (ES6+), Tailwind CSS
  - *Backend:* Firebase
  - *Routing:* React Router
  - *State Management:* React Hooks, Context API

## Deployment & Hosting

- **Platform:** Hosted on Vercel, optimized for React apps.
- **CI/CD:** Auto-deploys on GitHub push.
- **Build:**
  - Command: `npm run build`
  - Output: `build/`
- **URL:** <https://mess-finder.vercel.app>
- **Github:** <https://github.com/h4jack/MessFinder>
- **Security:** HTTPS enabled by default.

# **FUTURE IMPLEMENTATIONS**

MessFinder aims to expand with several impactful enhancements to improve usability, trust, and scalability. Upcoming implementations include:

- Enhanced UI/UX and a faster, smoother experience.
- Stronger security with OTP verification and fraud prevention.
- Map-based search for precise location-based discovery.
- AI-powered suggestions tailored to user behavior and preferences.
- Landlord verification system to ensure authenticity.
- Real-time updates to prevent outdated listings.
- User review/rating system to maintain listing quality.
- Push notifications for updates, messages, and alerts.
- Admin dashboard for analytics, user, and listing management.
- Multilingual support for broader user reach.
- Payment gateway integration for secure online transactions.

No application is ever truly complete. MessFinder will continue to adapt and grow through regular improvements, feedback integration, and technological advancements.

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