

Flex Living – Reviews Dashboard Documentation

Source Code (Frontend and Backend)

- **Frontend (index.html):** Displays reviews, charts, filtering, and approvals.
- **Backend (server.js):** Provides Express API route `/api/reviews/hostaway`, fetching live reviews if API keys exist or mock data otherwise.

Running Version / Local Setup Instructions

1. Open terminal in project folder.
2. Run:

```
npm install  
npm start
```
3. Open browser at: `http://localhost:3000/index.html`

For Hostaway API live data:

```
export HOSTAWAY_ACCOUNT_ID=61148  
export HOSTAWAY_API_KEY=<your_api_key>
```

Tech Stack Used

- Frontend: HTML, CSS, JavaScript
- Backend: Node.js with Express
- Data Handling: JSON files for mock reviews; API fetch for live reviews
- Optional: Google Places API (future integration)

Key Design and Logic Decisions

- Normalization: Reviews converted into one standard format (listing, guest name, rating, categories, date).
- Mock Fallback: Dashboard always works using `mock-reviews.json` if API unavailable.
- Usability: Simple UI for quick filtering, sorting, and approvals.
- Consistency: Review display matches Flex Living property style.

API Behaviors

Route: `GET /api/reviews/hostaway`

Response Example:

```
{ 'status': 'success', 'data': [ { 'listing': 'Shoreditch  
Heights 2B', 'guestName': 'Anna', 'rating': 9, 'categories': {
```

```
'cleanliness': 9, 'communication': 10 }, 'submittedAt':  
'2024-02-12T15:12:00.000Z' } ] }
```

Notes:

- Returns structured JSON data.
- Works with either mock data or live API depending on setup.

Google Reviews Findings (if any)

- Explored via Google Places API.
- Requires Google Cloud API key with billing enabled.
- Not included in this version.
- Future potential: Merge Google Reviews into normalized schema and display alongside Hostaway reviews.

Conclusion

The dashboard helps Flex Living managers understand property performance, spot issues, and decide which reviews to display publicly.