

PermitMinder Setup - Quick Start

What I've Done:

- ✓ Fixed your 'float' subscript error (line 395)
- ✓ Added alternating row colors for better readability
- ✓ Added hover effects on all rows
- ✓ Made rows clickable - each permit ID is now a button
- ✓ Created a detailed permit view page
- ✓ Added sticky headers for long tables
- ✓ Color-coded compliance status (🟢 good, 🟡 warning, 🔴 exceeded)

Your 2-Minute Setup:

Step 1: Save the Files

1. Save the main file as `interactive_second.py` (or replace your existing one)
2. Create a folder called `pages` in the same directory
3. Save the details page as `pages/permit_details.py`

Your structure should look like:

```
Launch_Ready/
├── interactive_second.py  (main file)
└── pages/
    └── permit_details.py  (details page)
```

Step 2: Run It

```
bash


streamlit run interactive_second.py
```

What's New & How to Use:




1. Better Table Display

- Rows alternate white/gray for easy reading
- Hover over any row to highlight it
- Exceeded limits show in red with ⚠ icon

2. Click for Details

- Click any permit ID button ( PA0012345)
- Opens detailed view with:
 - Facility information
 - All parameters
 - Historical trends (placeholder for now)
 - Exceedance history

3. Smart Features

- **Compliance indicators:**  = OK,  = >80% of limit,  = exceeded
- **"Show only exceedances"** checkbox to filter results
- **Back button** to return from details to results
- **Sticky headers** when scrolling long tables

Testing It:

1. Enter a permit ID (e.g., "PA0012345")
2. Set your date range
3. Click Search
4. Click any permit ID in results to see details
5. Use "Show only exceedances" to filter

Next Steps (When Ready):

1. **Connect real PA eDMR data** - Update the `fetch_dmr_data()` function
2. **Add historical charts** - Plotly charts are ready, just need data
3. **Export functionality** - CSV download button
4. **Batch permit checking** - Multiple permits at once

Troubleshooting:

If you get "module not found" errors:

```
bash
```

```
pip install streamlit pandas requests plotly
```

If pages don't work:

- Make sure you have a `pages/` folder
- File must be named exactly `permit_details.py`

If styling looks wrong:

- Clear browser cache (Ctrl+Shift+R)
- Restart Streamlit server

The Key Changes From Your Original:

1. **Fixed line 395:** `str(row['PARAMETER'][:20])` instead of `row['PARAMETER'][:20]`
 2. **Added session state:** Tracks selected permits between pages
 3. **Modular design:** Separate functions for each feature
 4. **Error handling:** Gracefully handles missing data
 5. **Responsive layout:** Works on different screen sizes
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That's it! Run it now and see the improvements. Total time: 2 minutes.