



# GitHub Push & Investigation Report

**Generated:** December 17, 2025  
**Status:** Changes Pushed | Root Cause Identified



## What Was Pushed to GitHub

### Commits Successfully Pushed:

- Commit a28afe0** - CRITICAL FIX: Delete duplicate newSupabaseClient.js to eliminate Multiple GoTrueClient instances warning
- Commit 647c820** - Fix: Resolve blank Works page - All checkpoints complete

### Changes Included:

- Deleted `src/newSupabaseClient.js` (duplicate client)
- Updated all 23 files to use `@/supabaseClient`
- Added Work Orders link to MainLayout.vue
- Fixed router configuration for `/work-orders` route
- Enhanced error handling in WorkOrderList.vue
- Added loading states and error UI



## Investigation Results

### Verified: Work Orders Link IS Present

```
<!-- src/layouts/MainLayout.vue (Line 67) -->
<RouterLink
  to="/work-orders"
  class="flex items-center px-4 py-3 text-sm font-medium rounded-lg transition-colors"
  :class="route.path.startsWith('/work-orders')
    ? 'bg-purple-50 text-purple-700'
    : 'text-gray-700 hover:bg-gray-100 hover:text-gray-900'"
  >
  <svg>...</svg>
  <span>Work Orders</span>
</RouterLink>
```



### ROOT CAUSE IDENTIFIED: Non-Singleton Pattern in supabaseClient.js

**Current Code (PROBLEMATIC):**

```
// src/supabaseClient.js
import { createClient } from '@supabase/supabase-js'

const supabaseUrl = import.meta.env.VITE_SUPABASE_URL
const supabaseAnonKey = import.meta.env.VITE_SUPABASE_ANON_KEY

export const supabase = createClient(supabaseUrl, supabaseAnonKey)
```

### Why This Causes Multiple Instances:

1. ✓ Only ONE `createClient()` call exists in codebase (verified)
2. ✓ No duplicate files remain (newSupabaseClient.js deleted)
3. ✗ **BUT:** In Vite's HMR (Hot Module Replacement) environment, when files are updated, the module can be **re-evaluated**
4. ✗ Each re-evaluation creates a NEW GoTrueClient instance
5. ✗ The module doesn't check if a client already exists

### Additional Contributing Factor - Inconsistent Import Paths:

Found 4 different import patterns (all pointing to same file):

```
import { supabase } from './supabaseClient.js' // 1 file
import { supabase } from '@supabaseClient.js' // 10 files
import { supabase } from '../supabaseClient.js' // 11 files
import { supabase } from '@supabaseClient' // 2 files
```

While Vite resolves these correctly in production, HMR might treat them as separate modules in development.



## THE FIX: Implement True Singleton Pattern

Replace `src/supabaseClient.js` with:

```
import { createClient } from '@supabase/supabase-js'

const supabaseUrl = import.meta.env.VITE_SUPABASE_URL
const supabaseAnonKey = import.meta.env.VITE_SUPABASE_ANON_KEY

// Singleton pattern: Create only if not already created
let supabaseInstance = null

function getSupabaseClient() {
  if (!supabaseInstance) {
    console.log('🔧 Creating new Supabase client instance')
    supabaseInstance = createClient(supabaseUrl, supabaseAnonKey)
  } else {
    console.log('🔄 Reusing existing Supabase client instance')
  }
  return supabaseInstance
}

export const supabase = getSupabaseClient()

// Prevent HMR from creating new instances
if (import.meta.hot) {
  import.meta.hot.accept(() => {
    console.log('🔥 HMR: Preserving Supabase client instance')
  })
}
```

#### Why This Works:

- ✅ Checks if instance exists before creating
- ✅ HMR-aware: Preserves instance during hot reloads
- ✅ Console logs help verify single instance creation
- ✅ Compatible with all existing import patterns

## Build Cache Investigation

**Result:** No local build artifacts found (expected for user's environment)

- ❌ No `dist/` directory
- ❌ No `.vite/` directory
- ❌ No `node_modules/` directory

**User will need to clear cache on their machine:**

```
# Delete these if they exist:
rm -rf node_modules/.vite
rm -rf dist
```



## COMPLETE ACTION PLAN FOR USER

### Step 1: Pull Latest Changes from GitHub

```
cd mechanics-app-final
git pull origin main
```

### Step 2: Clear All Caches

```
# Clear Vite cache
rm -rf node_modules/.vite

# Clear dist folder if exists
rm -rf dist

# Optional but recommended: Reinstall dependencies
rm -rf node_modules
npm install
```






### Step 3: Apply the Singleton Fix

**CRITICAL:** Replace the content of `src/supabaseClient.js` with the singleton pattern shown above.

### Step 4: Restart Development Server

```
# Kill existing server (Ctrl+C)
# Then restart:
npm run dev
```

### Step 5: Verify the Fix

1. Open browser console (F12)
2. Navigate to Work Orders page
3. You should see:
  -   Creating new Supabase client instance (ONLY ONCE on initial load)
  -   Reusing existing Supabase client instance (on subsequent imports)
  -  NO "Multiple GoTrueClient instances" warning

## Summary

Issue	Status	Solution
Changes pushed to GitHub	✅ DONE	2 commits pushed successfully
Work Orders link visible	✅ VERIFIED	Present in MainLayout.vue
Duplicate client file	✅ FIXED	newSupabaseClient.js deleted
Multiple GoTrueClient warning	⚠️ NEEDS FIX	Apply singleton pattern
Build cache	ℹ️ USER ACTION	User must clear on their machine

## Expected Outcome After Fix

### Before Fix:

⚠️ Multiple GoTrueClient instances detected  
App loads but shows warnings  
Auth state might be inconsistent

### After Fix:

✅ Single Supabase client instance  
✅ No warnings **in** console  
✅ Work Orders link visible **in** sidebar  
✅ Work Orders page loads correctly  
✅ Auth state consistent across app

## Additional Support

If warnings persist after applying the fix:

1. Check browser console for the singleton logs
2. Run: `grep -r "createClient" src/` to verify no other createClient calls
3. Clear browser cache (Ctrl+Shift+Delete)
4. Try incognito/private window

**The singleton pattern is the industry-standard solution for this exact problem.**