



# GitHub Push & Investigation Report

**Generated:** December 17, 2025

**Status:** ✓ Changes Pushed | ⚠ Root Cause Identified



## What Was Pushed to GitHub

### Commits Successfully Pushed:

1. **Commit a28afe0** - 🔥 CRITICAL FIX: Delete duplicate newSupabaseClient.js to eliminate Multiple GoTrueClient instances warning
2. **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/.vite`

**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	 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.**