Recovering and Migrating a Corrupted Visual Studio Qt Project

■ Step-by-Step Migration Plan:

1. Create a Clean Qt Project:
   - File → New → Project → Qt Console App (or GUI App)
   - Save to a new clean folder (e.g., AlphaEmulatorClean)

2. Add Classes Gradually:
   - Begin with core utility classes (RegisterBank, FpcrRegister, SafeMemory)
   - Use Solution Explorer → Add → Existing Item
   - After adding each class, build and fix errors immediately

3. Verify Qt Signal Support:
   - Ensure each QObject-based class has: Q_OBJECT
   - Rebuild to confirm MOC generation works

4. Add Complex Classes Last:
   - AlphaCPU, Executors (Integer, FP, Control, Vector), etc.
   - Wire them only after foundational classes compile

5. Check Build Settings and Paths:
   - Qt version is configured in project settings
   - Header and source file paths are correct
   - MOC-generated files are showing up correctly

6. Finalize Git & Tooling:
   - After project builds, re-add .gitignore, .clang-format, etc.
   - Initialize Git if needed (optional)

■ Tips:
- Always build between class imports to isolate issues early
- Watch for stale .user, .VC.db, or .moc files from the old project
- Reuse working class headers but clean up includes and Qt macros