Marine Task App – Architecture ULTRA (v3.2)

Phase 2 – Category Assignment & Editor (Checkpoint)

This phase introduced task-to-category assignment and category management foundations.

Completed

Category Tree (expand / collapse)
Task ↔ Category assignment using checkboxes
Tri-state parent logic (all / some / none)
Mobile-sized checkboxes and label-click toggle
Virtual Archive root (non-editable)
Category Editor page
Rename category
Archive / Unarchive categories (is_archived flag)
Root virtual category ("Top Level")
Circular move prevention logic (cannot select self or descendants)
Supabase wiring for task_category_map
Supabase wiring for task_categories.parent_id
Pen icon opens Category Editor

Partially Implemented / Incomplete

Category re-parent persistence UX – currently requires full page reload; reactive refresh not finalised
Auto-expand ancestors on move page
Highlight current parent in move tree
Disable radio on Archive root (planned polish)

Architectural Notes

Deletion is intentionally avoided. Categories are archived via is_archived flag to preserve yacht task history.
Virtual Archive folder contains archived categories.
Root placement handled via virtual Top Level node.

Deferred / Future

Reactive category tree refresh (remove page reload dependency)
Category move UX polish
Category duplication
Category permissioning
Execution logging system
Global task instance numbering for reporting and auditing

Phase 2 closed with Category Assignment operational. Category Move remains the final unresolved item of this phase.