

Progress Tracking (Assignments & Subjects)

What was done

- Implemented progress tracking for both assignments and subjects
- Used 'Task.isCompleted' as the source of truth
- Synced 'Assignment.isCompleted' based on task completion

Logic implemented

- Created 'CheckAssignmentCompletion(aId)'
- Assignment is marked completed only if all its tasks are completed
- Assignment remains incomplete if:
 - Any task is incomplete
 - No tasks exist

Data handling

- Fetched assignments from Supabase
- Fetched all related tasks using assignment IDs
- Grouped tasks by 'aId' into 'tasksByAssignment'
- Used grouped data to calculate progress efficiently

Progress calculation

- Assignment progress:
 - completed tasks / total tasks
- Subject progress:
 - completed tasks across all assignments / total tasks

UI work

- Added progress bars to:
 - Assignment cards
 - Subject views
- Used basic inline styling for progress bars
- Fixed layout issues caused by incorrect placement inside 'flex-row'
- Moved progress bar into content column to prevent UI breaking

Result

- Progress updates dynamically based on task completion
- Assignment completion stays in sync with tasks
- UI correctly displays both assignment and subject progress