# **🛠 Sprint Task Breakdown – Version 1.1 (Personal Touch)**

This document outlines the **task-level execution plan** for **version v1.1**, focusing on enabling users to personalize and revisit study content. Each sprint includes frontend, backend, and DevOps tasks, with DoD definitions and known risks.

### **✅ Version 1.1 – Personal Touch (Sept 13 – Oct 10)**

**Goal:** Empower users to personalize and revisit study content.

## **🌀 Sprint 4: Sept 13–Sept 26**

**Sprint Goal:** Build note-taking and saving features

### **✅ Frontend Tasks:**

* Add UI for note input below each generated study guide
* Implement favorite/star toggle icon on guide cards
* Design “My Notes” screen to list guides with saved notes
* Handle edge cases for empty notes, invalid saves, and deleted guides

### **✅ Backend Tasks:**

* Create Supabase schema for storing notes (user\_id + guide\_id)
* Store starred guides with indexing and sort by timestamp
* Implement offline-first sync behavior (local-first → Supabase merge)
* Add fallback logic for anonymous users (local-only save)

### **✅ DevOps Tasks:**

* Set up Supabase table RLS for user-level access on notes
* Schedule Supabase backups for notes and starred tables
* Enforce validation rules to prevent anonymous overwrite or invalid save

### **✅ Deliverables:**

* Notes UI integrated and working across generated guides
* Saved/starred guides visible on personal notes screen
* Supabase syncing implemented with offline-first fallback

### **✅ DoD:**

* Starred guides persist across sessions (logged-in)
* Notes CRUD functions tested for web + mobile
* UI passes accessibility standards (keyboard nav, font scale)

### **⚠️ Dependencies / Risks:**

* Sync timing issues between local and cloud state
* User confusion between temporary and saved notes
* Supabase limits on row operations or user access if scaled

## **🌀 Sprint 5: Sept 27–Oct 10**

**Sprint Goal:** Polish personalization features and conduct full QA

### **✅ Frontend Tasks:**

* Add edit/delete functionality to saved notes
* Add filters on notes screen (recently updated, starred only, chronological)
* Improve visual cues and animations for starred state
* Add notes empty state and recovery UX (e.g., “No notes yet”)

### **✅ Backend Tasks:**

* Implement soft delete (archived\_at field) for notes
* Add created\_at and updated\_at fields to all note objects
* Clean up unused schema columns added in Sprint 4
* Enable tag-based query for notes (future v2.2 prep)

### **✅ DevOps Tasks:**

* Run integration tests using Supabase emulator (CRUD + RLS)
* Automate backups and test restore from backup
* Add alerts for backup failure or table lock error

### **✅ Deliverables:**

* Fully working note-taking with edit/delete/filtering
* All edge cases handled (empty state, deleted guides)
* Supabase structure cleaned and indexed for scale

### **✅ DoD:**

* Notes screen UX validated on web/mobile
* Starred logic and update propagation tested
* Backup/restore tested with 100+ records

### **⚠️ Dependencies / Risks:**

* Supabase index latency with large note collections
* User perception: saved = synced (when offline it's local-only)
* Future scaling challenge if “My Notes” exceeds pagination