

TASKS.md

Date initialized: 2026-02-16
Cadence: 1-hour deliverables with hard deadlines
Source: mvp-1-collab-board/G4 Week 1 - CollabBoard-requirements.pdf

Priority Lanes

- Lane A: MVP hard gate (must pass first)
- Lane B: AI board agent
- Lane C: Submission artifacts and documentation
- Lane D: Operations (Linear, transcripts, OpenClaw readiness)

Hourly Execution Plan

| ID | Deadline (CT) | Task | Lane | Owner | Status |
|-------|------------------|--|------|-------|--------|
| T-001 | 2026-02-16 14:30 | Finalize PRESEARCH.md from PDF rubric | C | Max | Done |
| T-002 | 2026-02-16 15:00 | Finalize PRD.md, MVP.md, DECISIONS.md | C | Max | Done |
| T-003 | 2026-02-16 15:30 | Break implementation work into Linear tickets | D | Max | Done |
| T-004 | 2026-02-16 16:30 | Initialize app scaffold (web + backend functions) | A | Max | Todo |
| T-005 | 2026-02-16 17:30 | Implement authentication flow | A | Max | Todo |
| T-006 | 2026-02-16 18:30 | Implement presence and multiplayer cursors | A | Max | Todo |
| T-007 | 2026-02-16 19:30 | Implement object create/move/edit + realtime sync | A | Max | Todo |
| T-008 | 2026-02-16 20:30 | Implement infinite pan/zoom + shape support | A | Max | Todo |
| T-009 | 2026-02-16 21:30 | Run 2-browser and refresh/disconnect tests | A | Max | Todo |
| T-010 | 2026-02-17 09:30 | Deploy MVP public URL + verify hard gate checklist | A | Max | Todo |
| T-011 | 2026-02-17 12:00 | Add AI command dispatcher and 3 basic commands | B | Max | Todo |
| T-012 | 2026-02-18 12:00 | Expand to 6+ commands including layout + complex | B | Max | Todo |
| T-013 | 2026-02-19 18:00 | Add automated tests for core collaboration flows | A | Max | Todo |
| T-014 | 2026-02-20 18:00 | Prepare early submission package (video + docs) | C | Max | Todo |
| T-015 | 2026-02-22 20:00 | Final polish, cost analysis, social post assets | C | Max | Todo |
| T- | 2026-02-22 | Final submission freeze and upload | C | Max | Todo |

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|-------|------------------|--|---|-----|------|
| 016 | 22:00 | Final submission review and approval | C | Max | Todo |
| T-017 | 2026-02-17 14:00 | Implement and validate BoardObject + CursorPresence schemas | A | Max | Todo |
| T-018 | 2026-02-17 16:00 | Implement LWW/versioned write and optimistic reconcile policy | A | Max | Todo |
| T-019 | 2026-02-18 14:00 | Add AI idempotency records and per-board FIFO command ordering | B | Max | Todo |
| T-020 | 2026-02-18 17:00 | Enable Firestore offline persistence + RTDB onDisconnect() | A | Max | Todo |
| T-021 | 2026-02-19 12:00 | Add Playwright multi-context e2e for sync + concurrent AI commands | A | Max | Todo |
| T-022 | 2026-02-19 16:00 | Add Konva stage manager optimization for high object count | A | Max | Todo |

Dependency Map

- T-004 blocks T-005, T-006, and T-007.
- T-005 blocks T-006 (identity labels) and T-010 (auth hard-gate).
- T-006 and T-007 block T-009.
- T-007 blocks T-017 and T-018.
- T-008 depends on baseline object model from T-007.
- T-017 blocks T-019 and T-021.
- T-018 blocks T-021.
- T-019 blocks final AI reliability sign-off.
- T-020 blocks disconnect/reconnect validation.
- T-009, T-020, and T-021 block T-010 and hard-gate confidence.
- T-010 blocks T-011 and T-012 for post-MVP AI expansion.

Execution Roles

- Max: accountable owner and final decision maker.
- Codex: architecture/docs/review support and implementation assistance.
- Cursor: implementation acceleration and rapid edits.
- Claude: adversarial review and prompt iteration support.

Linear Integration Status

- Integration confirmed for team Maxpetrusenko.
- Created issues:
 - T-004 -> MAX-19
 - T-005 -> MAX-20
 - T-006 -> MAX-21
 - T-007 -> MAX-22
 - T-008 -> MAX-23
 - T-009 -> MAX-24
 - T-010 -> MAX-25
- New tickets required:
 - T-017 through T-022 (to be created next)

Required Artifacts Checklist

- ☐ Public deployed URL
- ☐ Demo video (3-5 minutes)
- ☐ Pre-Search checklist completion
- ☐ AI Development Log (1 page)
- ☐ AI Cost Analysis (dev spend + projections)
- ☐ Architecture overview + setup guide in repo
- ☐ Social post draft with screenshots

Linear Ticket Skeleton

Use this template for each ticket:

- Title: [Lane] <Feature/Task>
- Description:
 - Goal
 - Scope in/out
 - Acceptance criteria
 - Test plan
 - Deadline

Operations Tasks

- ☐ Export session transcripts and keep in Sessions/.
- ☐ Publish curriculum/transcript package to Notion.
- ☐ Confirm OpenClaw read/push access remains functional.
- ☐ Keep DECISIONS.md updated whenever architecture changes.