Sprint 2 - Schedule Analysis

Team: JUME
Sprint Duration: March 20 – April 3, 2025
Team Members: Usman, Max, Jay, Erfan

Task Dependencies and Critical Path

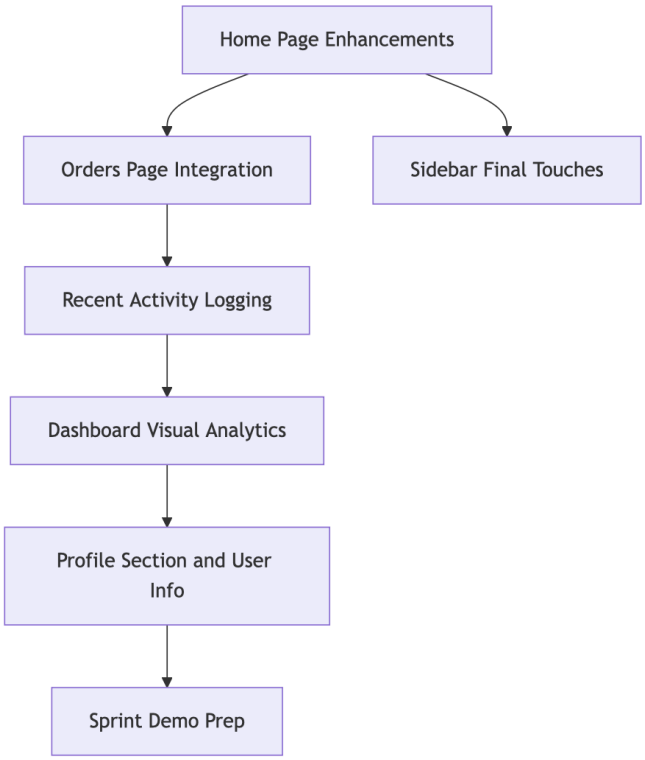
Key Dependencies Identified:

1. **Dashboard & Analytics Integration**
    - Completion of Supabase backend connections for Orders and Inventory was required before rendering visuals on the Home Page.
    - Any delay in backend syncing would block rendering of charts and summaries.
2. **Order Page Dependencies**
    - Creating and updating orders required full Supabase table readiness.
    - Updating the UI with dropdowns, checkboxes, and real-time data syncing depended on database stability.

Critical Path:

- Home UI Enhancements (A) → Orders Integration (B) → Recent Activity Logging (C) → Dashboard Charts (E) → Profile Section (F) → Demo Prep (G)
- Delay in Supabase readiness or visual integration would have impacted the overall timeline.

Task Breakdown



Keeping the Sprint on Schedule

1. **Proactive Communication**
    - Daily Discord standups ensured early detection of blockers (e.g., Supabase auth issues).
    - Peer debugging sessions helped identify where data sync or props were breaking layout.
2. **Parallel Tasking**
    - While waiting for the backend to stabilize, team members worked on non-blocking UI features (e.g., Sidebar refactor, Weather widget, Avatar).
    - Jay finalized the Recharts graphs while backend routes were still in testing.

Challenges & Lessons Learned

Challenges:

- Supabase syncing errors caused by untyped returns slowed initial dashboard binding.
- Styling took longer than expected, particularly aligning charts and recent activity panels.
- Some task overlaps caused last-minute merges before push.

Lessons Learned:

- Better use of Supabase types could have improved reliability and minimized fetch errors.
- Defining card layouts earlier would have saved time adjusting margins and alignments.
- Clearer pre-sprint estimation of task difficulty could avoid time crunch before demo.

Conclusion

Despite mid-sprint blockers, the team successfully met all delivery goals for Sprint 2.
The defined critical path remained intact due to early prioritization and clear ownership.
Collaborative debugging, visual polish, and flexible UI-first tasking allowed parallel progress while backend routes were being tested.

These practices will be formalized in future sprints to reduce delay risks and support scalability.

Status: ✅ Completed on Schedule
Critical Path: Met
Velocity: Improved from Sprint 1