

Sprint 2 Plan

Product Name: HuddleAI

Sprint Completion Date: 5/15 END OF DAY

Goal

Enhance transcript quality with speaker diarization and enable basic Slack integration to share meeting summaries automatically.

User Story 1

As a user, I want HuddleAI to detect different speakers in a transcript so I can follow conversations more easily.

- Research diarization tools (e.g., pyannote.audio, Whisper variants) (2 hrs)
- Select and install diarization engine (1 hr)
- Integrate diarization with transcription pipeline (3 hrs)
- Format transcript with speaker labels (2 hrs)

Total for User Story 1: 8 hours

User Story 2

As a user, I want to receive a transcript summary directly in a Slack channel.

- Create Slack bot with incoming webhook support (1 hr)
- Write a message formatter for transcript summaries (2 hrs)
- Connect webhook to backend for auto-posting (2 hrs)

Total for User Story 2: 5 hours

User Story 3

As a developer, I want a fallback when diarization fails so the pipeline remains robust.

- Detect diarization errors and log gracefully (1 hr)
- Default to unlabelled transcript when diarization fails (1 hr)
- Notify user of fallback in frontend (1 hr)

Total for User Story 3: 3 hours

Team Roles

- **Andre:** Diarization Integration, Backend Slack Support
- **Pranav:** Diarization Research and Testing

- **Parul:** Slack Message Formatter, Frontend Notification
 - **Aditya:** QA & Error Handling Logic
 - **Paolo:** Documentation and Bot Setup
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Initial Task Assignment

- **Andre:** User Story 1 – Integrate diarization with backend pipeline
- **Pranav:** User Story 1 – Research and evaluate diarization tools
- **Parul:** User Story 2 – Build Slack summary formatting logic
- **Aditya:** User Story 3 – Implement diarization fallback
- **Paolo:** User Story 2 – Create and configure Slack bot