



Microsoft Teams Group Chat Summarizer

AI-powered functionality to summarize group conversations, extract action items, and create Planner tasks—all within Microsoft Teams Desktop App.

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Key components in this document



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Purpose & Scope

This document expands the previously-approved PRD with concrete specifications for creating an AI powered **on-demand message-range summarizer** for Microsoft Teams Desktop.

Core Features

- Message-range selection
- Full AI summarization (timeline, decisions, tone, risks)
- Per-user action item extraction
- Editable summary
- Microsoft Planner task creation for summary creator's action items



Deliverables Overview



ASCII UI Mockups

Teams Desktop experience including range selection, summary view, editor, and Planner flow



Entity Models

Storage structures for messages, summaries, actions, and Planner task mappings



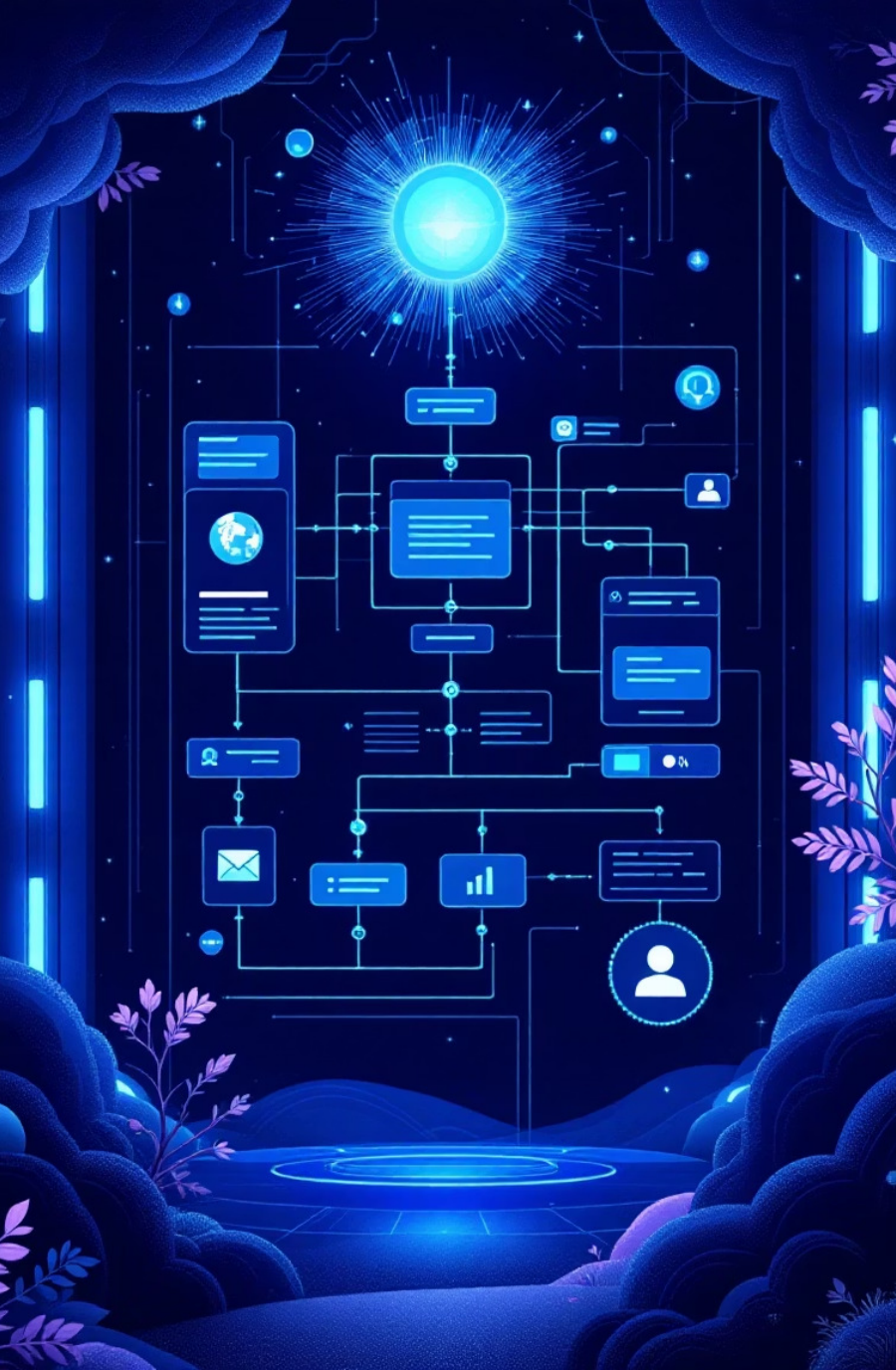
API Contract

Prototype backend specifications for summarization, extraction, and Planner integration



Implementation Guide

Bolt.new milestones with test data and acceptance criteria



User Experience Flow



Entry Point

User clicks **Summarize Chat** button in Teams group chat view



Range Selection

Click Start message, then End message to define conversation range



AI Generation

System generates summary with timeline, action items, risks, and tone analysis



Review & Edit

User reviews summary, edits if needed, and optionally creates Planner tasks

Data Architecture

Core Entities

Message

Chat messages with id, sender, text, timestamp, and attachments

Summary

Generated summaries with timeline, tone tags, and risk identification

ActionItem

Extracted tasks with owner, due date, and source message reference

PlannerTaskMapping

Links action items to Microsoft Planner tasks



All models are prototype-level and normalized for clarity, supporting message tracking, summary persistence, and Planner integration.

API Endpoints



POST /api/summarize

Generate summary from message range with timeline, action items, risks, and tone tags



GET /api/summary/{id}

Fetch existing summary object with all associated data



PATCH /api/summary/{id}

Save user edits to summary text or action item modifications



POST /api/planner/create-tasks

Create Planner tasks for requester's own action items



GET /api/planner/plans

List plans accessible to user for task creation UI

All endpoints use JSON over HTTPS with authentication via prototype auth stub. Returns 200 on success; error codes: 400 (bad input), 401 (unauthorized), 500 (server error).

Implementation Roadmap



Sample Chat Data

Test Conversation

Sample JSON includes 5 messages from project team discussing homepage design:

- **Amit:** Finalize homepage by Thursday
- **Priya:** Uploaded Figma draft for review
- **Rohan:** Will fix header alignment today
- **You:** Review Figma by end of day
- **Amit:** API team flagged auth delay risk

Chat ID: chat-1 | Timestamp range: 10:15-10:40 AM, Nov 21, 2025

