Product Requirements Document (PRD)

Product Name: Worksphere
Vision: All-in-one platform for organizational task management with integrated real-time collaboration

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1. Core Features

A. Organization & User Management

- **Multi-tenant architecture**
  - Create unlimited organizations (workspaces)
  - Role-based access control (Owner, Admin, Member, Guest)
- **Authentication**
  - Email/password + Google/GitHub SSO
  - Invite members via email with role assignment
  - Passkey support for passwordless login

B. Task & Project Management

- **Projects**
  - Kanban boards, Gantt charts, and list views
  - Custom statuses (e.g., "Backlog", "In Progress")
- **Tasks**
  - Assignees, due dates, priorities (P0-P3)
  - File attachments (Google Drive, Dropbox integration)
  - Checklists and subtasks
- **AI Automation**
  - Auto-task prioritization based on deadlines
  - Smart suggestions for task assignments

C. Real-Time Collaboration

- **Workshop Chat**
  - Threaded conversations per project/task
  - Markdown support + code snippets

- @mentions and notifications

- **Video Calls**

    - WebRTC-based 1:1 and group calls

    - Screen sharing + collaborative whiteboard

    - Meeting recordings (cloud storage optional)

D. Additional Recommended Features

- **Daily Standups**

    - Async video/text updates for remote teams

- **Integrations**

    - Slack, GitHub, Jira, Zoom API

- **Analytics Dashboard**

    - Burndown charts, team productivity metrics

2. Technical Stack Recommendations

Frontend (React)

- **State Management:** Zustand (simpler than Redux)

- **UI Library:** ShadCN (modular + Tailwind)

- **Real-Time:** Socket.io for chat, LiveKit for video

Backend (Node.js/Express)

- **Database:** MongoDB (flexible schema) + Redis (caching)

- **Auth:** Clerk.dev (pre-built UIs for SSO)

- **File Storage:** AWS S3 + CloudFront CDN

DevOps

- **CI/CD:** GitHub Actions

- **Monitoring:** Sentry + Prometheus

3. Key Differentiators

1. **Workshop Rooms**

- o Persistent chat + video call spaces tied to projects
- o Whiteboard with sticky notes/diagramming

2. **Task-Centric Collaboration**

- o Start video calls directly from task comments
- o Share specific task context in calls

3. **Enterprise Readiness**

- o SCIM provisioning (for orgs using Okta/AD)
- o Audit logs for compliance

4. Monetization Strategy

Tier	Price	Features
Free	$0	1 org, 10 members, basic tasks
Pro	$10/user	Unlimited projects, video recording
Enterprise	Custom	SSO, API access, priority support

5. Roadmap

Phase 1 (MVP - 3 months)

- Core task management + org structure
- Basic chat + 1:1 video calls

Phase 2 (6 months)

- Screen sharing + whiteboard
- GitHub/Jira integrations

Phase 3 (12 months)

- AI task automation
- Mobile apps (React Native)

6. Competitive Edge

Unlike **ClickUp** or **Asana**, Worksphere offers:
✅ **Native video collaboration** (no Zoom plugin needed)
✅ **Workshop rooms** for persistent project-focused discussions
✅ **Granular permission controls** for enterprises

7. Risk Mitigation

- **Performance:** Load-test WebRTC with 50+ concurrent users

- **Security:** Annual penetration testing + SOC2 compliance

- **Adoption:** Onboarding tutorials + template library

Next Steps

1. Prioritize **Phase 1 features** for MVP

2. Use **feature flags** to test risky components (e.g., video infra)

3. Start with **Next.js** for SSR-ready frontend