

Brainstorm & Idea Prioritization – *Video Conferencing Web App*

◆ Step 1: Team Collaboration & Problem Statement Selection

Problem Statement:

In a remote-first world, people struggle to find a reliable, secure, and easy-to-use video conferencing platform that supports real-time communication, screen sharing, and seamless collaboration — especially in environments with limited bandwidth or when quick meetings are needed without installations.

◆ Step 2: Brainstorm – Idea Listing & Grouping

| Ideas | Category |
|---|--------------------------|
| 1. One-click meeting creation without sign-up | Ease of Use |
| 2. Join via meeting code/link without installing an app | Accessibility |
| 3. Real-time chat during video calls | Communication |
| 4. Mute/Unmute audio and video | Core Controls |
| 5. Screen sharing support | Collaboration Tools |
| 6. Participant list with host controls (kick/mute others) | Admin/Host Features |
| 7. Use Agora SDK for smooth media streaming | Technical Implementation |
| 8. JWT authentication for login security | Security |
| 9. Lightweight frontend using React | Performance |
| 10. Option to record meetings | Advanced Features |
| 11. Chat logs stored in MongoDB | Data Persistence |
| 12. Notifications when someone joins/leaves | UX Enhancements |

◆ **Step 3: Idea Prioritization (Using Value vs Effort Quadrant)**

| Idea | Priority | Reason |
|----------------------------|--------------------------------|--|
| One-click meeting creation | ✅ High Value, Low Effort | Makes onboarding frictionless |
| Real-time chat | ✅ High Value, Medium Effort | Essential for collaboration |
| Screen sharing | ✅ High Value, Medium Effort | Crucial for remote presentations |
| Agora SDK integration | ✅ High Value, Medium Effort | Ensures seamless video/audio quality |
| JWT login | ✅ High Value, Low Effort | Standard secure practice |
| Participant management | ⚠️ High Value, High Effort | Improves host control but may need more time |
| Meeting recording | 🚧 Medium Value, High Effort | Nice-to-have, not MVP critical |
| Tailwind UI | ✅ Medium Value, Low Effort | Speeds up UI development |
| Notifications & logs | ⚠️ Medium Value, Medium Effort | Enhances experience but not core to MVP |

✅ **Final MVP Scope (Top Priority Ideas)**

- Meeting creation/joining via link or code
- Real-time video & audio using Agora SDK
- Real-time chat using Socket.io
- Basic participant controls (mute/self-view)
- Screen sharing
- JWT authentication