IDEA START Create a game to guess movies using acting and music. Inspired by team gatherings and confusion in manual movie charades. First plan (using APIs)? OPTION A: Use IMDb API + YouTube API to fetch movie names and play hints. Try API connection API ISSUES IMDb API has restrictions and may need payment. YouTube API has limited quota.Frontend API calls are insecure. if (APIs work) → Proceed else → Use local extraction APIs failed \rightarrow Use Python tools OPTION B: Use Python and tools to extract data manually and locally. Check for hosting options HOSTING COSTS No budget for paid hosting or monthly domain. if (free hosting available) \rightarrow Use GitHub Pages else \rightarrow Delay project Using GitHub Pages (free) PYTHON TOOLKIT SELECTED Used tools: BeautifulSoup for scraping yt-dlp for extracting YouTube metadata youtube-search-python for finding relevant IDs pandas for structuring • json for data export Try embedding direct links **EMBEDDING LINKS FAILED** Direct YouTube links violate policy and autoplay often doesn't work. User experience becomes unprofessional. Problem found → extract video ID EMBED ID FIX Extract YouTube Video IDs only Use iframe with https://www.youtube.com/embed/VIDEO ID for clean, safe embedding. Solution worked FINAL RESULT 100% frontend app Secure Free · Uses local JSON for movies and video IDs • Hosted on GitHub Pages Add multiplayer + real-time backend **FUTURE VISION** Node.js backend Game rooms with join link Webcam-based acting Voice guessing Auto scoring and live leaderboard