



Live streaming platform- First presentation

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Distribution of work

余秉修 : Frontend Developer

- Develop the user interface (UI) for the live streaming platform.
- Integrate the video player and implement playback functionality.
- Create the chat feature and UI for displaying subtitles.

李家睿 : Backend Developer

- Set up the backend environment and database.
- Develop APIs for stream management and user authentication.
- Integrate Azure Cognitive Services for real-time subtitles and manage chat functionality.

曾國竣 : Platform Setup (DevOps)

- Provision Azure resources (Blob Storage, CDN).
- Configure Azure for video streaming and global content delivery.
- Conduct stress testing and monitor platform performance.

Schedule

[illegible]

Expected features

Low-Latency Live Streaming:

- Supports low-latency streaming for real-time viewing.

Video Playback:

- Integrated video player using HLS protocols for smooth playback.

User-Friendly Interface:

- Simple and intuitive UI for easy navigation and access to live streams.

Subtitle Support:

- Automatic real-time subtitles generated using speech-to-text services for enhanced accessibility.

Expected features

Optional User Login:

- Users can choose to log in using Azure AD, but it is not mandatory.

Real-Time Chat:

- Basic chat functionality for viewer interaction during live streams.

Stream Management:

- Streamers can easily start and stop live streams using tools like OBS

Global Streaming with CDN:

- Utilizes Azure CDN for fast and reliable streaming worldwide.