

Release Plan

Coursierge

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High Level Goals

- To allow a professor to stream classroom content through Android app
- To allow students to connect to a classroom to view classroom content
- To establish a connection between a Daydream and a live classroom.
- Allow students to communicate with a professor during livestream.

Product Backlog

Features	Priority
Streaming Service implemented	High
Clean and Smooth UI	High
Questions Feature, interactivity	Low
Website implementation	Low
Google Daydream Implemented	Medium
Allows screen sharing in a way for PowerPoint presentations, supporting files, etc.	Medium
Run as background service for audio	Medium
Professor allows speaking rights to students for questions. (AUDIO)	Low

User Stories

Sprint 1:

As a developer, I want ...

- To implement a streaming service so that I can establish a connection between a professor and student.
- To separate classrooms by their class/section. The app should also recognize if there is an already existing session and thus not generate a new session ID.

Sprint 2:

As a developer, I want ...

- A clean, creative UI to allow a user to easily establish a connection to Tokbox.
- To implement a method to switch between casting a file (such as a PowerPoint) over a connection to the mobile device, and a camera stream.
- To fix potential streaming issues.

Sprint 3:

As a developer, I want ...

- To create a method of interaction between the professor and students.
- To create a feature to cast audio only when casting a file an already existing session and thus not generate a new session ID.
- To further enhance the UI to make it easier to use.

Sprint 4:

As a developer, I want ...

- Google Daydream compatibility and ease of access for students
- Enable class content streaming to Daydream
- Enable student/professor interaction on Daydream

Features	Story Points
As a developer, I want to implement a streaming service so that I can establish a connection between a professor and student.	21
As a developer, I want to separate classrooms by their class/section. The app should also recognize if there is an already existing session and thus not generate a new session ID.	13

As an instructor, I want to be able to create my own classroom session so I can host students.	8
As a student, I want to be join a classroom session.	8
As a user, I want a clean, creative UI to easily navigate the app.	3
As an instructor, I want to be able to cast either a document or camera view.	5
As a developer, I want to implement a method to switch between casting a file (such as a PowerPoint) over a connection to the mobile device, and a camera stream.	5
As a developer, I want to fix potential streaming issues.	8
As an instructor, I want a method of interaction between me and my students.	8
As a developer, I want to create a feature to cast audio only when casting a file.an already existing session and thus not generate a new session ID.	5
As a developer, I want to further enhance the UI to make it easier to use.	3
As a user, I want Google Daydream compatibility and ease of access.	13
As a developer, I want to enable class content streaming to Daydream.	8
As a user, I want to enable student/professor interaction on Daydream so that students can use the Daydream effectively.	8