

# Release Plan

## Coursierge

Khoa Hoang  
Srihari Dasarathy  
Phil John  
Chris Vu  
Ronjie Tan

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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