

OverView

LectureDoc allows teachers to create, edit, save, and share lecture materials with students in a live environment, while allowing students to intuitively interact with the materials as needed.

Students will be able to view a live stream of their teacher's presentation materials. Once completed, presentations can be saved as documents that students can take notes on and pull & tag snippets from.

Basic Capabilities

Version 1 — Guaranteed

Teacher

Register, Edit, Delete — Account
 Login, Logout — Account
 Create, Edit, Delete — Classrooms
 Register, Edit, Delete — Student Accounts per Classroom
 Create, Edit, Delete — Static Classroom Documents
 Create, Edit, Share — Live Classroom Documents

Student

Login, Logout — Account
 View — Static Classroom Documents
 View — Live Classroom Documents

Additional Features

Version 1 — Not Guaranteed

Teacher

Classroom Document Formatting
 Create, Edit, Delete — Notes per Document and | or Class
 Automatic Syntax Highlighting — Code Examples

Student

Create, Edit, Delete — Notes per Document and | or Class
 Create, Delete — Code Example Snippets
 Create, Edit, Delete — Notes per Snippet
 Automatic Syntax Highlighting — Code Examples
 Document Highlighting

**Flow
Diagram**
Basic Capabilities

INDEX

Teacher

- Register | Login
- Home
 - Logout
 - Account Settings
 - Classrooms
 - Students
 - Create New Classroom
 - Documents
 - Create Student Accounts
 - Workspace

Student

- Register | Login
- Home
 - Logout
 - Account Settings
 - Classrooms
 - Documents
 - Workspace

Technologies

Server Structure & Logic

JavaScript

Node.js

Express Web Framework

Mongoose MongoDB Middlewear

Socket.io

Client Structure & Logic

JavaScript

Backbone.js

Underscore.js

jQuery.js

Socket.io

Client Interface

Twitter Bootstrap

Typekit

Hosting

One of the following

Nodejitsu

Joyent

Heroku