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Lecture Goggles

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Use Cases and Requirements Implemented

Ready to Demo

Use Case	Subsystem is implemented in
[UC1] Register for Teacher Account	Frontend (API still needs implementation)
[UC2] Register for Student Account	Frontend & API
[UC3] Add Link	
- Add Subject	Frontend & API
- Add Topic	Frontend (not yet implemented) & API (ready)
- Add Resource	Frontend & API (no integration of the two yet)
[UC11] Log in to User Account	Frontend & API

Frontend Requirements

- Test Suite
- Responsive, Mobile First Design
- Frontend Input Validation

Use Cases and Requirements Not Implemented

Use Case	Subsystem needs to be implemented in
[UC4] Upload File	Frontend & API
[UC5] Request to Remove Resource	Frontend & API
[UC6] Submit Error Report	Frontend & API
[UC9] View Resources	Frontend & API

[UC10] Remove Resources	Frontend & API
[UC12] Subscribe to Notifications	Frontend & API
[UC13] Vote on Posted Content	Frontend & API
View Subjects	Frontend & API
View Topics	Frontend & API

Summary of Current Project Status

Team #22 has made great strides in the development of Lecture Goggles. The API was massively updated, moved to Flask, and tested using Postman. The front end was developed in React and moved away from the Adobe XD prototype, successfully updated to interact with the API, changed from Apache to Nginx for the web serving software, and moved to the web server in Azure. The database was updated to match the expected schema and column names within Flask. All of the servers were updated and are actively being hardened for security purposes. Within Azure, the DNS records were updated so that lecturegoggles.io and api.lecturegoggles.io point to the web server and API server respectively. Team 22 purchased the domain name and a wildcard SSL certificate to secure all lecturegoggles.io subdomains as well as the top level domain. As of right now, the API needs to be completed (all features implemented and tests written). The API need to be full uploaded to the API server and tested with the new frontend and database servers. Penetration tests need to take place in order to ensure the infrastructure is secure and the servers are hardened. The SSL certificate needs to be installed and authenticated. However, the team has made significant progress over the December 2018 demo, and will continue to make significant progress before the April 2019 demo.

Contributions of Team Members

Nathan Yocum worked on the Use Cases and Requirements implemented. He spent 2 hours on the report and around 3 hours testing the functionality of the frontend and API server, for a total of 5 hours.

Logan Long worked on the Summary. He spent 1 hour on the report and 3.5 hours on the database server configuration, web server configuration, infrastructure configuration, and DNS records.

Zachary Johnson worked on the Use Cases and Requirements implemented.