



Problem

Daily "Roll Call" in-person meetings are used for sharing information and assigning tasks to officers, done by a supervisor. These meetings present several issues:

- Sharing new documents after a meeting has concluded is difficult.
- Attending in-person meetings is sometimes impossible due to schedule conflicts.
- Holding officers accountable for reviewing documents is not possible.

Solution

The Virtual Roll Call Briefing web application simplifies the daily briefings by making them more accessible, convenient and efficient.

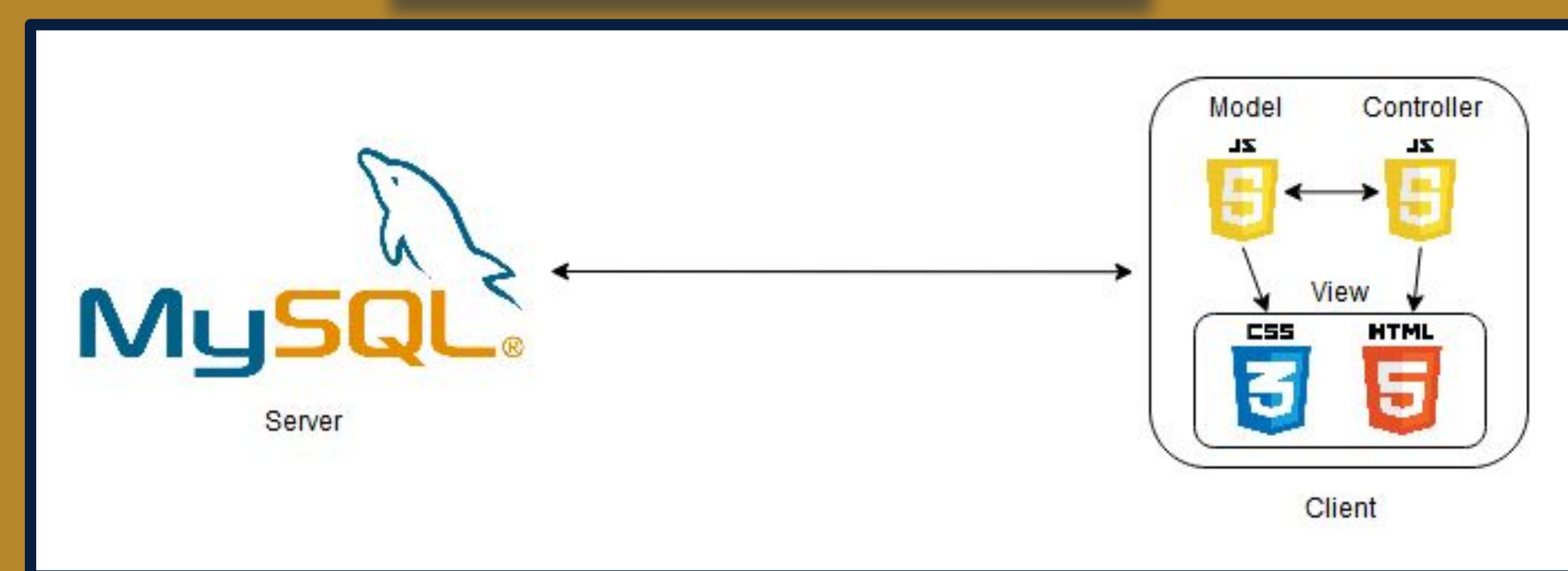
- In-person meetings are replaced with an online repository of documents that can be reviewed as needed.
- Supervisors can add quizzes to documents and pin them, assuring that officers review the material.
- Watch Orders can be reviewed using the application's map.

Contributions

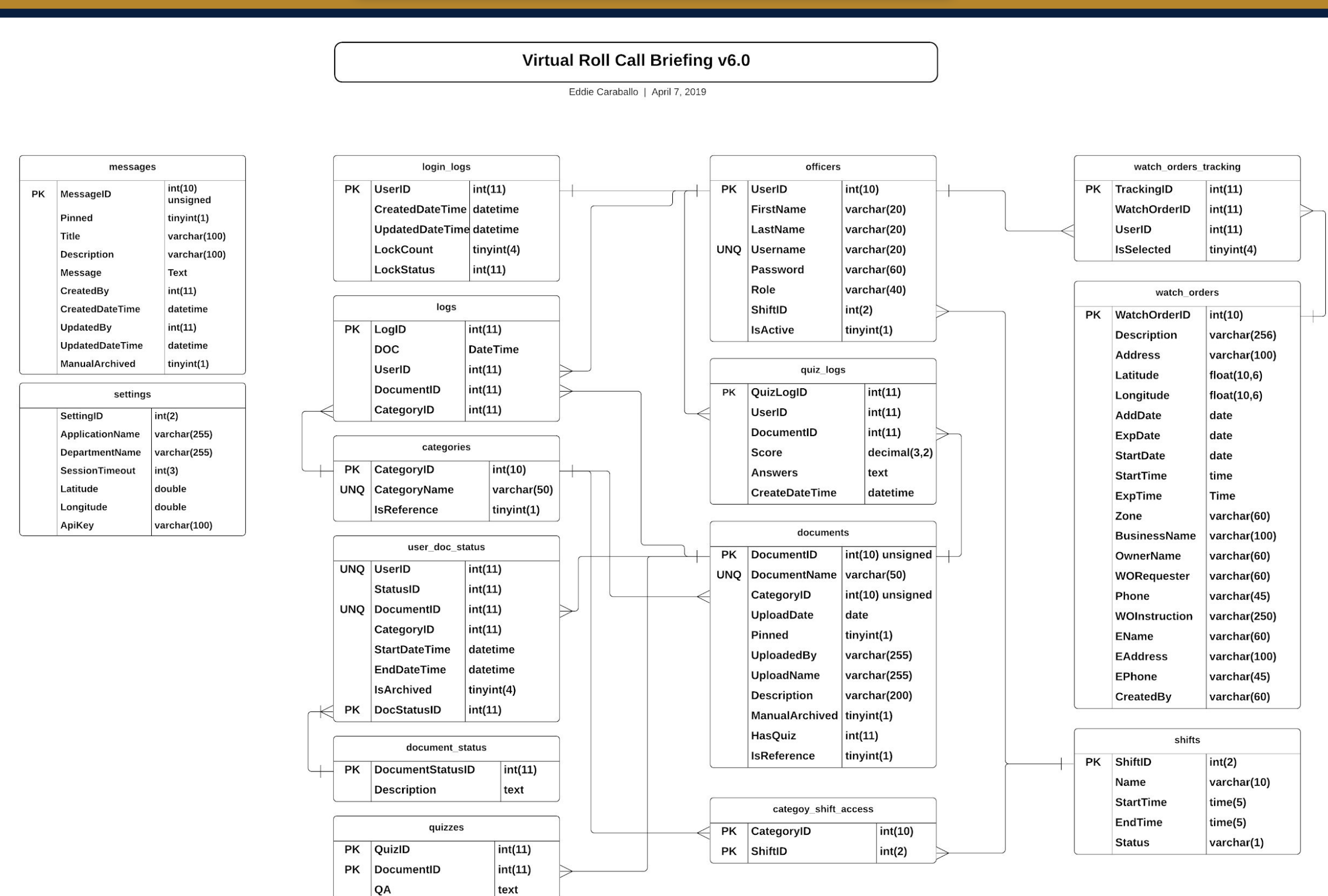
The Pinecrest Police Department had Virtual Roll Call 5.0 in production with its users. Version 6.0 is currently in production, my contributions to it were:

- Archive all documents feature:
 - Admin can archive all documents for a given user with the click of a button.
 - New users have past documentation automatically archived for them.
- Improvements to document and user management.
- Various bug fixes.

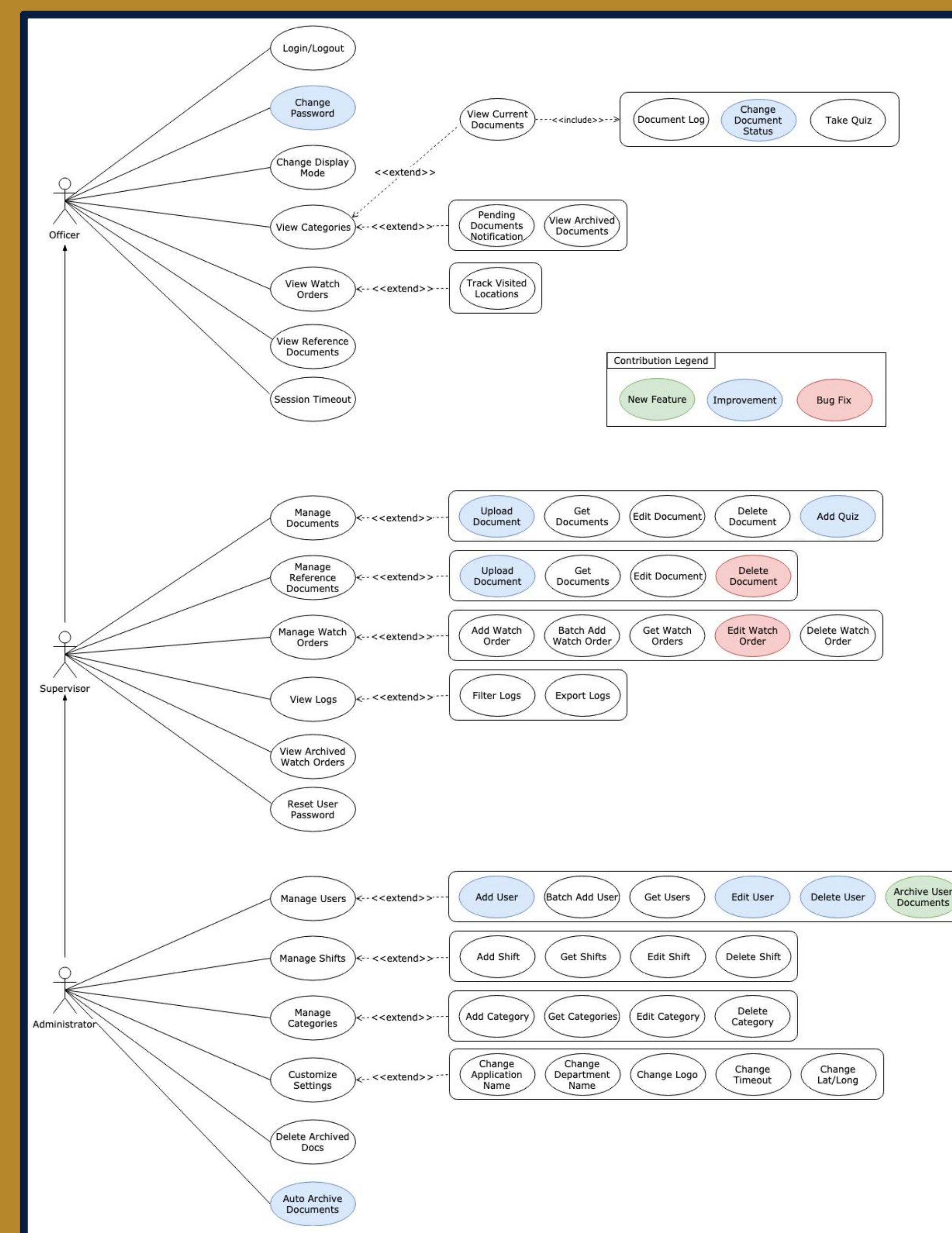
System Design



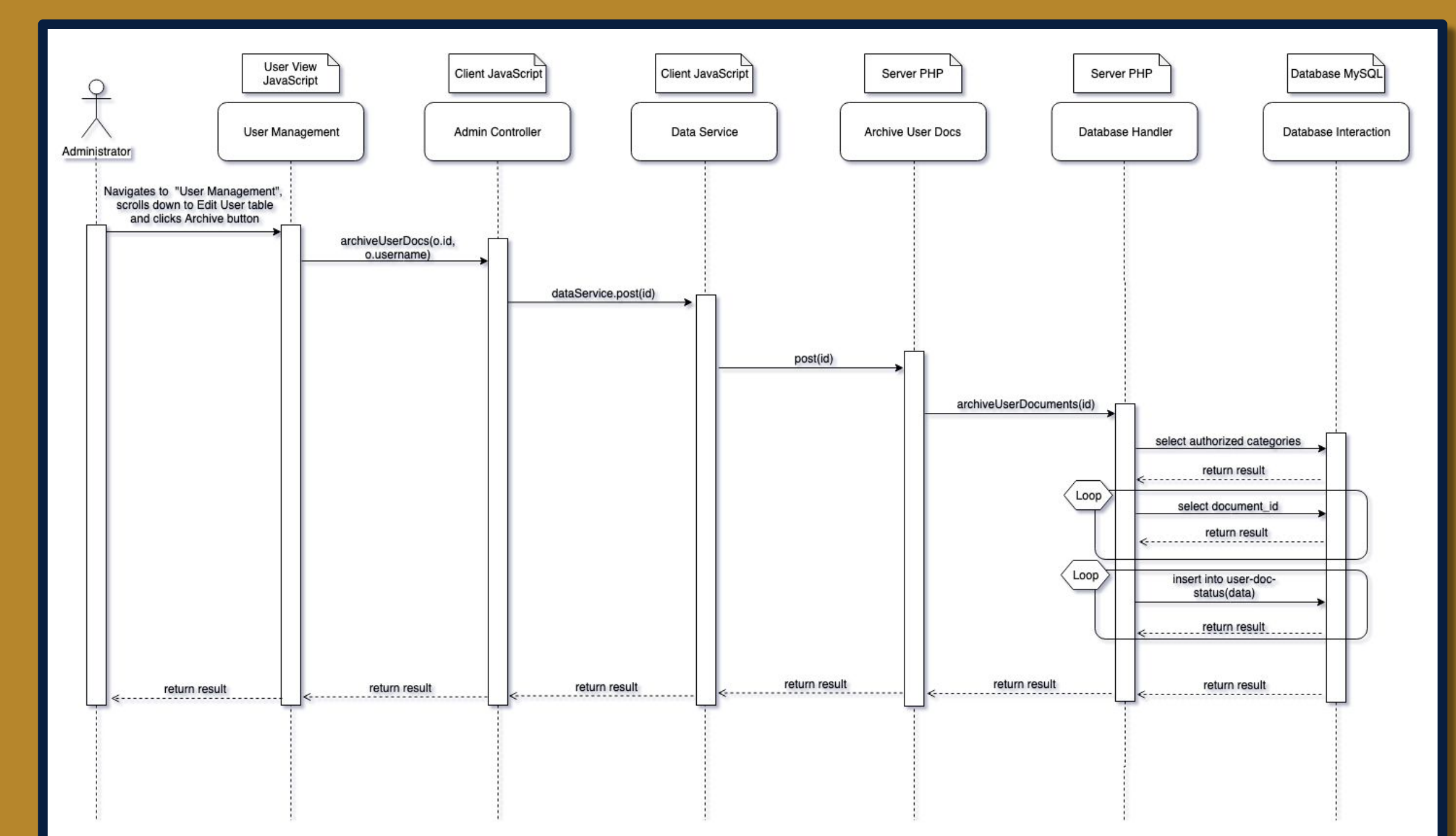
Database Schema



Use Cases



VRC-66



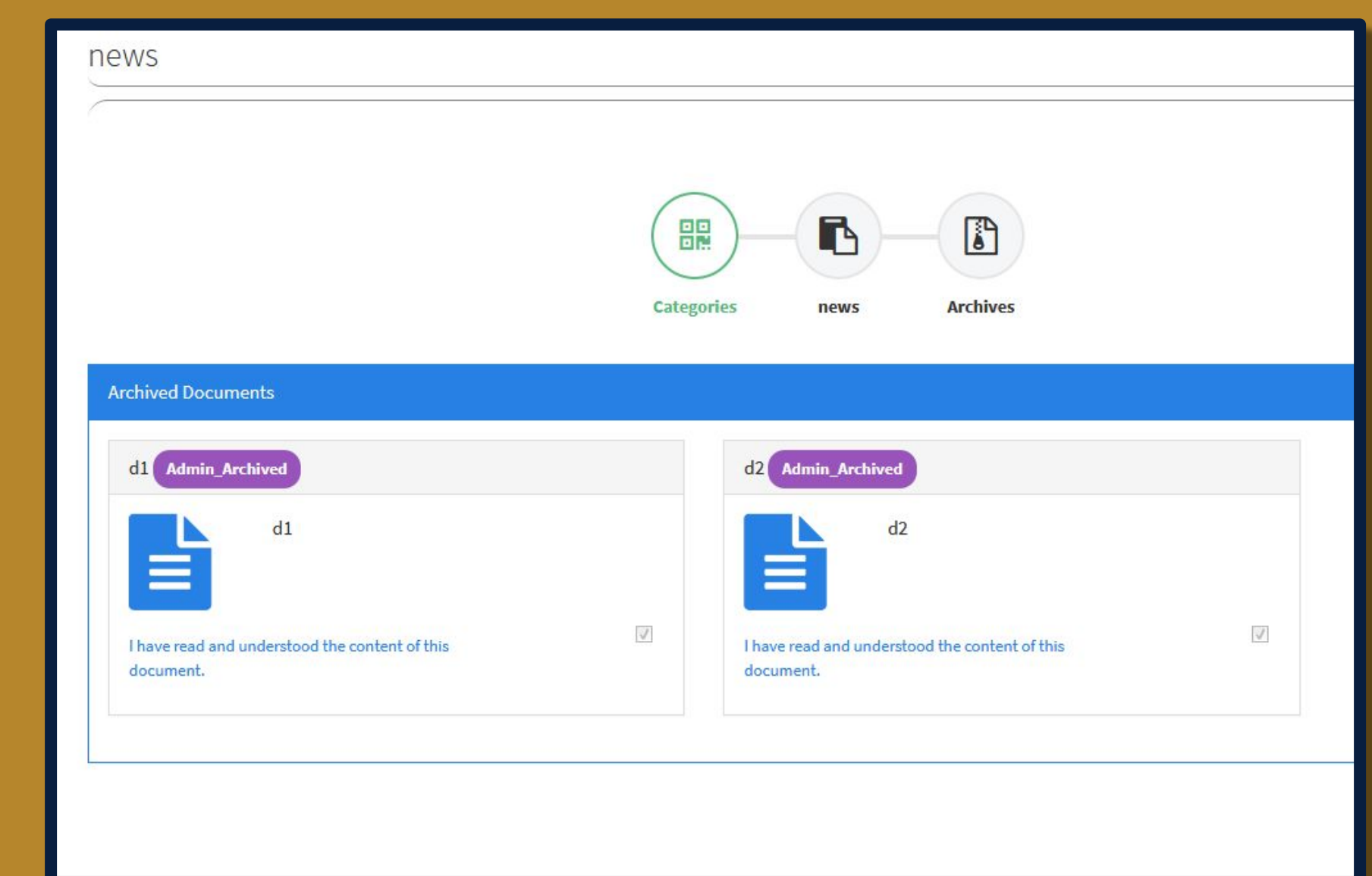
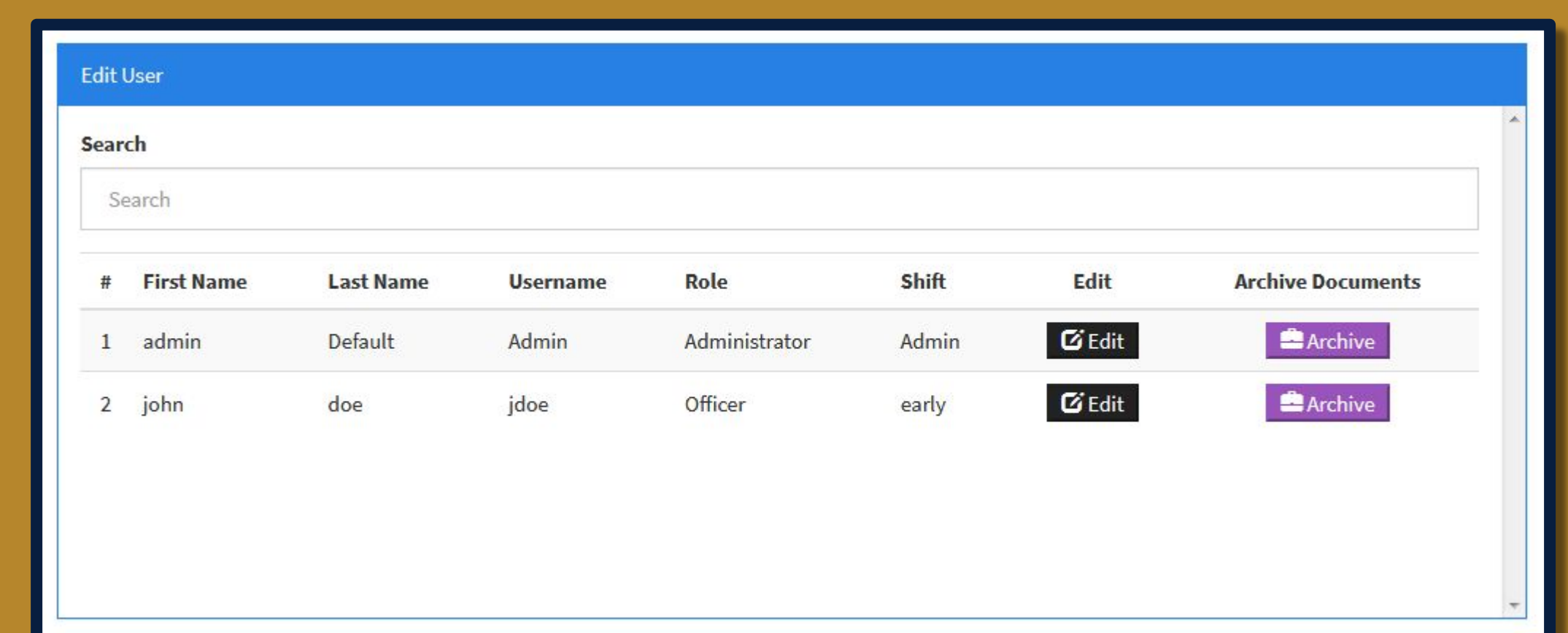
Future Plans

- Move web application from http to https.
- Search option that scans all documents for desired text.
- Inbox system for individual user document assignment.

Summary

Virtual Roll Call Briefing 6.0 includes:

- Improvements to user feedback throughout the website.
- Various error fixes and input validation.
- Archival of all documents for chosen user and new user.



Acknowledgement

The material presented in this poster is based upon the work supported by the Pinecrest Police Department. I would like to thank my teammate, Eddie Caraballo. I would also like to thank Dr. Masoud Sadjadi, Jason Cohen and Frank Alvarado for assistance, cooperation and mentorship that I received throughout this process.