

RBAC logging service

1 | Student details

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2 | Topics/Case study

Creating a logging/text sharing system with server side text processing and role based access control. This project is an ongoing project which has it's database design at very initial stages.

3 | Objective

With help of concepts learnt in DBMS course, I aim to make the DB structure much more robust with RBAC being the main focus. More place where I expect reforms to come is :

- Writing better queries for faster retrieval times.

The major overview of the database functionalities :

- Storing large text files [UTF-8 encoded]
- Give access to text file based on roles of users
- Delete record after a given time

4 | Tools used

- PostgreSQL
 - Rust Language
 - Redis (Acting as cache layer)
 - ORM for connecting PostgreSQL to programming language
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