Project: One and Done

Team Members: Robert, Alex, Jessie, and Henry

Overview:

Recently in the last spring semester, there were many students, staff, and faculty members confused on the current status of the final exam schedule. The registration department had generated the schedule three different times in order to fit all requirements needed as some students overlapped in course times. We are aiming with a Students Exam Management database to obtain a greater understanding of the process involved with scheduling.

Objective:

- To gain a full and detailed understanding of the organization of a students exam management database
- To educate our peers on the various factors to consider and the difficulties that can occur

Goals:

- Research specific information that would be needed for the tables in the database
- Document relevant information needed for queries that would be useful
- Research what data should be connected to each other through foreign keys
- Research and piece together the conditions that need to be met legally for security.
- Produce and record execution of the security measures needed

Our Proposal:

The One and Done Team proposes an in-depth analysis of the relational workings of a Students Exam Management database. We'll take a critical look at the aforementioned components, with a keen eye as to how each component should be securely managed which includes the following.

- User Authentication and Authorization
- Access Control
- Data Encryption
- Auditing and Logging
- Database Backup and Recovery
- Security Training and Best Practices
- Secure Data Transfer

Execution Strategy:

Our execution strategy will incorporate research tools such as, textbook, periodicals, web searches and videos. Once research is completed by each member of the One and Done-Team, the information will be assembled into the final presentation. Additional resources will be determined throughout our research period.

Resources:

- Periodicals: https://tinyurl.com/database-resource
- Web Search: https://tinyurl.com/database-audit
- Videos: https://tinyurl.com/database-encryption

Timeline for Execution:

Key project dates are best-guess estimates and are subject to change.

Description	Start Date	End Date	Duration
<Project Start/End>	6/08/2023	7/28/2023	6 weeks
<Research>	6/08/2023	6/22/2023	2 weeks
<Develop Database>	6/22/2023	7/13/2023	3 weeks
<Review Query & Security>	7/13/2023	7/22/2023	1 week
<Project Video Recording>	7/22/2023	7/27/2023	5 Days
<Written Report >	6/08/2023	7/28/2023	6 weeks

Conclusion:

The One and Done Team is eager to create our database and share the results!

Thank you for your consideration,

The One and Done team

Robert Briggs, Alex Wilson, Jessie Mai, & Henry Yu