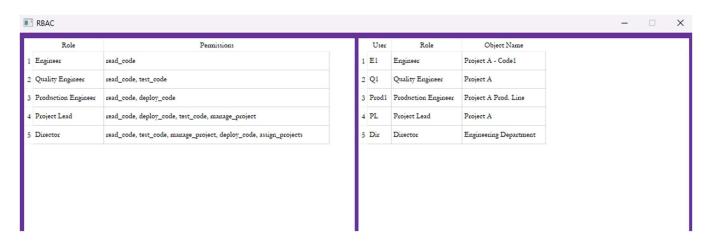
COSC 3364 – Principles of Cybersecurity Lab 04

Role-Based Access Control

Ethan Conner

1. Develop a role-accessed control program based on the role hierarchy diagram of a software development team where each role will have permissions related to their position such as: read code, test code, deploy code, manage project, or assign projects. A line between two roles implies that the upper role includes all of the access rights of the lower role, as well as other access rights not available to the lower role. One role can inherit access rights from multiple subordinate roles. For example, the Project Lead role includes all of the access rights of the Production Engineer role and of the Quality Engineer role. More than one role can inherit from the same subordinate role. For example, both the Production Engineer role and the Quality Engineer role include all of the access rights of the Engineer Role.

ANSWER



Role Hierarchy

