AccessControlMechanism

User.py

- username: str
- name: str
- role: str
- readPermissions: list
- writePermissions: list

+ User(username: str, name: str, role: str)
+ getUsername(): str
+ getName(): str
+ getRole(): str
+ setReadPermissions(permissions: str): None
+ setWritePermissions(permissions: str): None
+ getReadPermissions(): list
+ getWritePermissions(): list

main.py

+ main()

User.py

- permissions: dict

+ ReferenceMontior()
+ assignReadPermissions(userRole: str): list
+ assignWritePermissions(userRole: str): list

AccessControlMatrix.csv