

Documents

DocumentDatabase

docs: HashMap<String, UserDocuments>

STORAGE_PATH: String

TEST_PATH: String

DC_PATH: String

Instance: DocumentDatabase

DocumentDatabase()

getInstance(): DocumentDatabase

switchStorage(): void

switchTest(): void

size(): int

addUserDocuments(username: String, path: String, name: String)

updateUserDocuments(Document d): void

getDocument(name: String, ownerUsername: String): Document

getDocument(documentId: int): Document

getDocument(documentId: int, ownerUsername: String): Document

removeDocument(int documentId): void

removeDocument(name: String, ownerUsername: String): void

removeDocument(name: String, ownerUsername: String, password: String): void

getInstance(DocumentDatabase, DocumentDatabase): void

getFilePath(ownerUsername: String, name: String): Path

getPersonalPath(ownerUsername: String): Path

addReferenceLetter(refereeUsername: String, applicantUsername: String, path: String)

StoreLogin

userData: Path

StoreLogin(userData: Path)

StoreLogin(path: String)

addUser(username: String, password: String): void

verifyLogin(username: String, password: String): boolean

getUsername(): ArrayList<String>

checkValidCharacters(s: String): boolean

getLogins(): HashMap<String, String>

SaveAndLoad

s: String

Path path: final

Path testPath: final

Path dcPath = path: final

creationPath = path: Path

applicationNextId: int

userNextId: int

jobPostingNextId: int

documentNextId: int

companyNextId: int

interviewNextId: int

switchPathRun(): void

switchPathTest(): void

saveProgram(): void

loadProgram(): void

userLoop(companies: List<Company>, users: List<User>): void

companyLoop(companies: List<Company>, users: List<User>): void

findCompany(companies: List<Company>, id: int): Company

getCompanyDict(companies: List<Company>): HashMap<Integer, Company>

getJobPostingDict(users: List<User>): HashMap<Application, Applicant>

jobPostingLoop(companies: List<Company>, users: List<User>): void

GsonManager

serializeDocumentDatabase(DocumentDatabase documentDatabase): String

serializeDocumentDatabase(Json, DocumentDatabase)

serializeRecruitmentSystem(Json, RecruitmentSystem)

deserializeRecruitmentSystem(Json, String): RecruitmentSystem

UserDocuments

HashMap<Integer, Documents> contents:

UserDocuments()

addDocument(document: Document): void

getDocument(documentId: int): Document

getDocument(name: String): Document

getDocument(id: int): void

getContents(): HashMap<Integer, Documents>

size(): int

Document

path: Path

nextId: int

name: String

documentId: int

ownerUsername: String

Document(ownerUsername: String, path: String, name: String)

getName(): Path

getOwnerUsername(): String

getDocumentId(): int

getContents(): ArrayList<String>

printContents(): void

clearNext(): void

setNextId(): void

InterfaceAdapter

serialize(Object: T, interfaceType: Type, context: JsonSerializerContext): JsonElement

deserialize(elem: JsonElement, interfaceType: Type, context: JsonSerializerContext): T

typeName(): String

getWrapper(): JsonObject, memberName: String): JsonElement

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