

C ContactData	
m ContactData(Contact)	
m ContactData(String, String, String, String, LocalDate, String, String, String, String)	
f contact	Contact
m getPhoneNumber()	String
m getEmergencyContactEmail()	String
m getEmergencyRelationship()	String
m getBirthday()	LocalDate
m getContactId()	Integer
m getEmail()	String
m getEmergencyContactPhoneNumber()	String
m getEmergencyContactName()	String
m getName()	String
m getAddress()	String

C ClinicData	
c ClinicData(Clinic)	
f clinic	Clinic
m getClinicHours()	ArrayList<AvailabilityData>
m getAddress()	String
m getEmail()	String
m getTimeZone()	ZonedDateTime
m getClinicName()	String
m getPhoneNumber()	String
m getClinicId()	Integer

C PrescriptionData	
c PrescriptionData(Prescription)	
f prescription	Prescription
m getPatientId()	Integer
m getHeader()	String
m getDoctorId()	Integer
m getExpiryDate()	ZonedDateTime
m getDateNoted()	ZonedDateTime
m getPrescriptionId()	Integer
mgetBody()	String

C ReportData	
c ReportData(Report)	
f report	Report
m getDateNoted()	ZonedDateTime
m getHeader()	String
m.getBody()	String
m getReportId()	Integer
m getDoctorId()	Integer
m getPatientId()	Integer

C LogData	
c LogData(Log)	
f log	Log
m getId()	Integer
m getUserId()	Integer
m.getMessage()	String
m.getTime()	LocalDateTime

Contact	
m	>Contact(String, String, String, String, LocalDate, String, String, String, String)
m	Contact()
f	phoneNumber String
f	birthday LocalDate
f	emergencyContactEmail String
f	emergencyRelationship String
f	email String
f	emergencyContactName String
f	name String
f	emergencyContactPhoneNumber String
f	address String
m	getName() String
m	setEmergencyContactEmail(String) void
m	setAddress(String) void
m	getBirthday() LocalDate
m	setEmergencyContactName(String) void
m	getEmergencyRelationship() String
m	getAddress() String
m	getEmergencyContactEmail() String
m	setEmail(String) void
m	setPhoneNumber(String) void
m	setBirthday(LocalDate) void
m	getPhoneNumber() String
m	setName(String) void
m	getEmail() String
m	getEmergencyContactPhoneNumber() String
m	setEmergencyContactPhoneNumber(String) void
m	setEmergencyRelationship(String) void
m	getEmergencyContactName() String

Note	
m	Note(String, String, Integer, Integer)
f	header String
f	dateNoted ZonedDateTime
f	body String
f	patientId Integer
f	doctorId Integer
m	setBody(String) void
m	setDoctorId(Integer) void
m	setPatientId(Integer) void
m	getDoctorId() Integer
m	getBody() String
m	getHeader() String
m	setHeader(String) void
m	getPatientId() Integer
m	getDateNoted() ZonedDateTime

Prescription	
m	Prescription(String, String, Integer, Integer, ZonedDateTime)
f	expiryDate ZonedDateTime
m	setExpiryDate(ZonedDateTime) void
m	getExpiryDate() ZonedDateTime

Patient	
m	Patient(String, String, Integer, String)
m	Patient(String, String)
m	Patient(String, String, Integer)
f	healthNumber String
m	setHealthNumber(String) void
m	getHealthNumber() String

User	
m	User(String, String, Integer)
m	User(String, String)
f	password String
f	username String
f	contactInfoId Integer
m	getUsername() String
m	comparePassword(String) boolean
m	getContactInfoId() Integer
m	setContactInfoId(Integer) void
m	setPassword(String) void

Secretary	
m	Secretary(String, String, Integer)
m	Secretary(String, String)

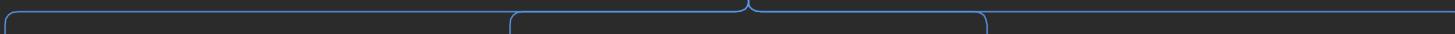
Doctor	
m	Doctor(String, String, Integer)
m	Doctor(String, String)

Admin	
m	Admin(String, String)
m	Admin(String, String, Integer)

Clinic	
m	Clinic(String, String, String, String, ZonedDateTime)
f	email String
f	timeZone ZonedDateTime
f	phoneNumber String
f	name String
f	address String
m	getAddress() String
m	getName() String
m	Email() String
m	getTimeZone() ZonedDateTime
m	setPhoneNumber(String) void
m	setAddress(String) void
m	getPhoneNumber() String
m	setName(String) void
m	setEmail(String) void

Log	
m	Log(Integer, String)
f	userId Integer
f	time LocalDateTime
f	message String
m	getUserid() Integer
m	getMessage() String
m	getTime() LocalDateTime

UserManager<T>	
m	UserManager(DataMapperGateway<T>, Database)
f	contactManager ContactManager
f	logManager LogManager
f	contactDatabase DataMapperGateway<Contact>
f	typeTDatabase DataMapperGateway<T>
m	deleteUserByData(UserData<T>) void
m	newContactInDatabase() Integer
m	changeUserPassword(UserData<T>, String) boolean
m	getUser(String) T
m	doesUserExist(String) Boolean
m	getUserData(String) UserData<T>
m	signInHelper(String, String) T
m	signIn(String, String) UserData<T>
m	getUserHelper(String) Optional<T>
m	canSignIn(String, String) boolean
m	deleteUser(String) Boolean



SecretaryManager	
m	SecretaryManager(Database)
f	secretaryDatabase DataMapperGateway<Secretary>
m	createSecretary(String, String) SecretaryData
m	getUserData(String) SecretaryData
m	toSecretaryData(Secretary) SecretaryData
m	signIn(String, String) SecretaryData

DoctorManager	
m	DoctorManager(Database)
f	doctorDatabase DataMapperGateway<Doctor>
m	createDoctor(String, String) DoctorData
m	getUserData(String) DoctorData
m	signIn(String, String) DoctorData
m	toDoctorData(Doctor) DoctorData

AdminManager	
m	AdminManager(Database)
f	adminDatabase DataMapperGateway<Admin>
m	toAdminData(Admin) AdminData
m	createAdmin(String, String) AdminData
m	signIn(String, String) AdminData
m	getUserData(String) AdminData

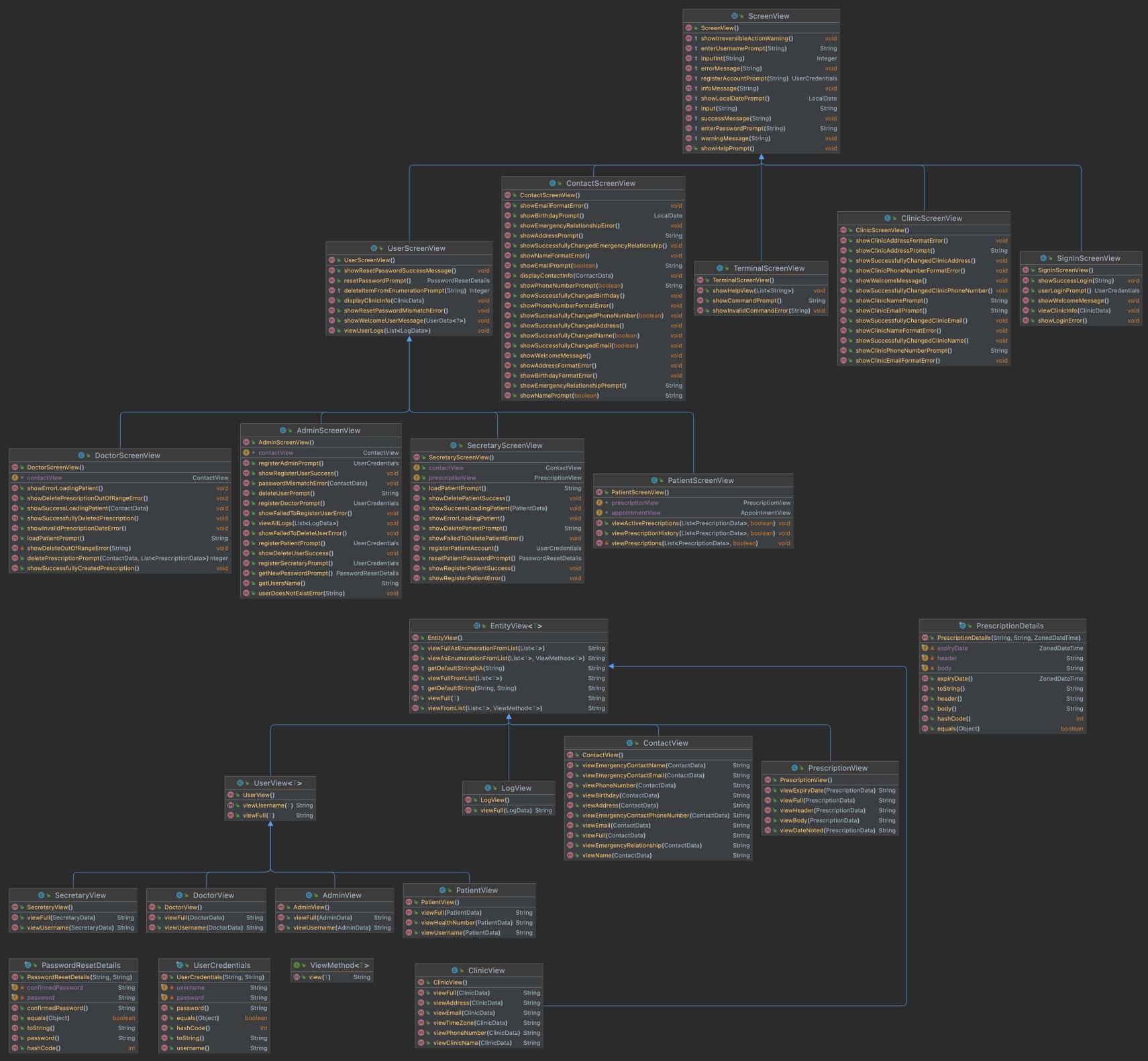
PatientManager	
m	PatientManager(Database)
f	patientDatabase DataMapperGateway<Patient>
m	signIn(String, String) PatientData
m	createPatient(String, String) PatientData
m	getUserData(String) PatientData
m	toPatientData(Patient) PatientData

ContactManager	
m	ContactManager(Database)
f	contactDatabase DataMapperGateway<Contact>
m	changeEmergencyContactEmail(ContactData, String) boolean
m	getContactData(UserData<T>) ContactData
m	addEmptyContactToDatabase() Integer
m	changePhoneNumber(ContactData, String) boolean
m	changeEmergencyContactPhoneNumber(ContactData, String) boolean
m	changeName(ContactData, String) boolean
m	changeEmergencyRelationship(ContactData, String) boolean
m	changeEmergencyContactName(ContactData, String) boolean
m	changeEmail(ContactData, String) boolean
m	changeBirthday(ContactData, LocalDate) boolean
m	changeAddress(ContactData, String) boolean

PrescriptionManager	
m	PrescriptionManager(Database)
f	prescriptionsDatabase DataMapperGateway<Prescription>
f	databaseUtilities DatabaseQueryUtility
m	isExpiredPrescription(Prescription) boolean
m	getAllActivePrescriptions(PatientData) ArrayList<PrescriptionData>
m	removePrescription(PrescriptionData) void
m	createPrescription(String, String, PatientData, DoctorData, ZonedDateTime) void
m	getAllPrescriptions(PatientData) ArrayList<PrescriptionData>
m	getAll(PatientData) Stream<Prescription>

ClinicManager	
m	ClinicManager(Database)
f	clinic Clinic
m	changeClinicAddress(String) boolean
m	clinicData() ClinicData
m	changeClinicEmail(String) boolean
m	changeClinicName(String) boolean
m	changeClinicPhoneNumber(String) boolean

LogManager	
m	LogManager(Database)
f	databaseUtils DatabaseQueryUtility
f	logDatabase DataMapperGateway<Log>
m	getUserLogs(UserData<T>) ArrayList<LogData>
m	addLog(String, Integer) LogData



© JsonSerializable

m JsonSerializable()

f id Integer

m setId(Integer) void

m getId() Integer

© DatabaseQueryUtility

m DatabaseQueryUtility()

m toArrayList(Stream<T>) ArrayList<T>

© DeleteUtils

m DeleteUtils()

m deleteDirectory(File) void