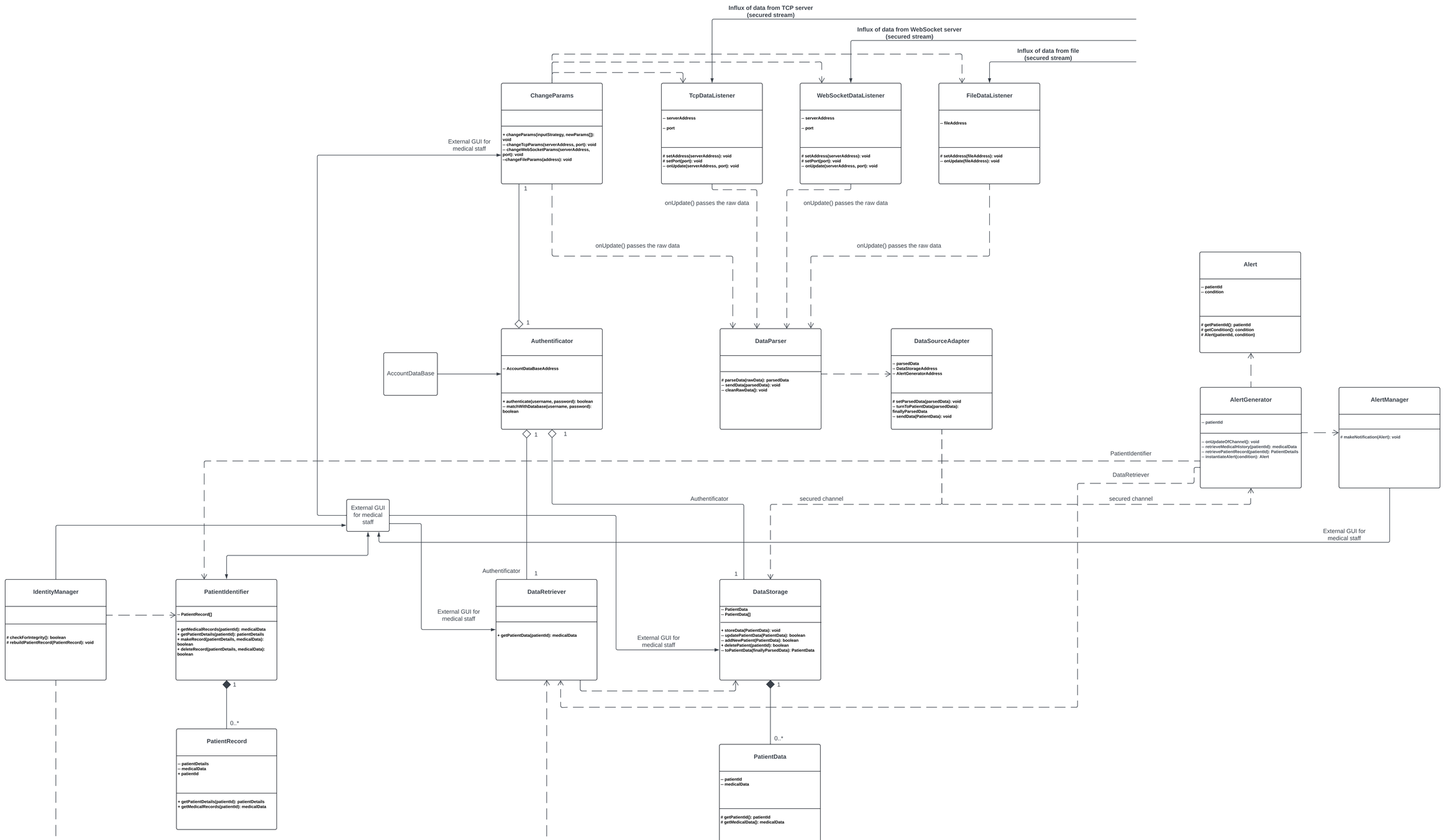
Influx of data from TCP server
(secured stream)
Influx of data from WebSocket server
(secured stream)
Influx of data from file
(secured stream)
ChangeParams
+ changeParams(inputStrategy, newParams[]): void
-- changeTcpParams(serverAddress, port): void
-- changeWebSocketParams(serverAddress, port): void
--changeFileParams(address): void
TcpDataListener
-- serverAddress
-- port
setAddress(serverAddress): void
setPort(port): void
-- onUpdate(serverAddress, port): void
WebSocketDataListener
-- serverAddress
-- port
setAddress(serverAddress): void
setPort(port): void
-- onUpdate(serverAddress, port): void
FileDataListener
-- fileAddress
setAddress(fileAddress): void
-- onUpdate(fileAddress): void
External GUI for medical staff
1
onUpdate() passes the raw data
onUpdate() passes the raw data
onUpdate() passes the raw data
onUpdate() passes the raw data
1
Authentificator
-- AccountDataBaseAddress
+ authenticate(username, password): boolean
-- matchWithDatabase(username, password): boolean
AccountDataBase
DataParser
parseData(rawData): parsedData
-- sendData(parsedData): void
-- cleanRawData(): void
DataSourceAdapter
-- parsedData
-- DataStorageAddress
-- AlertGeneratorAddress
setParsedData(parsedData): void
-- turnToPatientData(parsedData): finallyParsedData
-- sendData(PatientData): void
Alert
-- patientId
-- condition
getPatientId(): patientId
getCondition(): condition
Alert(patientId, condition)
AlertGenerator
-- patientId
-- onUpdateOfChannel(): void
-- retrieveMedicalHistory(patientId): medicalData
-- retrievePatientRecord(patientId): PatientDetails
-- instantiateAlert(condition): Alert
AlertManager
makeNotification(Alert): void
1
1
1
PatientIdentifier
DataRetriever
Authentificator
secured channel
secured channel
External GUI for medical staff
External GUI for medical staff
Authentificator
1
1
IdentityManager
checkForIntegrity(): boolean
rebuildPatientRecord(PatientRecord): void
PatientIdentifier
-- PatientRecord[]
+ getMedicalRecords(patientId): medicalData
+ getPatientDetails(patientId): patientDetails
+ makeRecord(patientDetails, medicalData): boolean
+ deleteRecord(patientDetails, medicalData): boolean
External GUI for medical staff
DataRetriever
+ getPatientData(patientId): medicalData
External GUI for medical staff
DataStorage
-- PatientData
-- PatientData[]
+ storeData(PatientData): void
-- updatePatientData(PatientData): boolean
-- addNewPatient(PatientData): boolean
+ deletePatient(patientId): boolean
-- toPatientData(finallyParsedData): PatientData
1
1
0..*
PatientRecord
-- patientDetails
-- medicalData
+ patientId
+ getPatientDetails(patientId): patientDetails
+ getMedicalRecords(patientId): medicalData
0..*
PatientData
-- patientId
-- medicalData
getPatientId(): patientId
getMedicalData(): medicalData