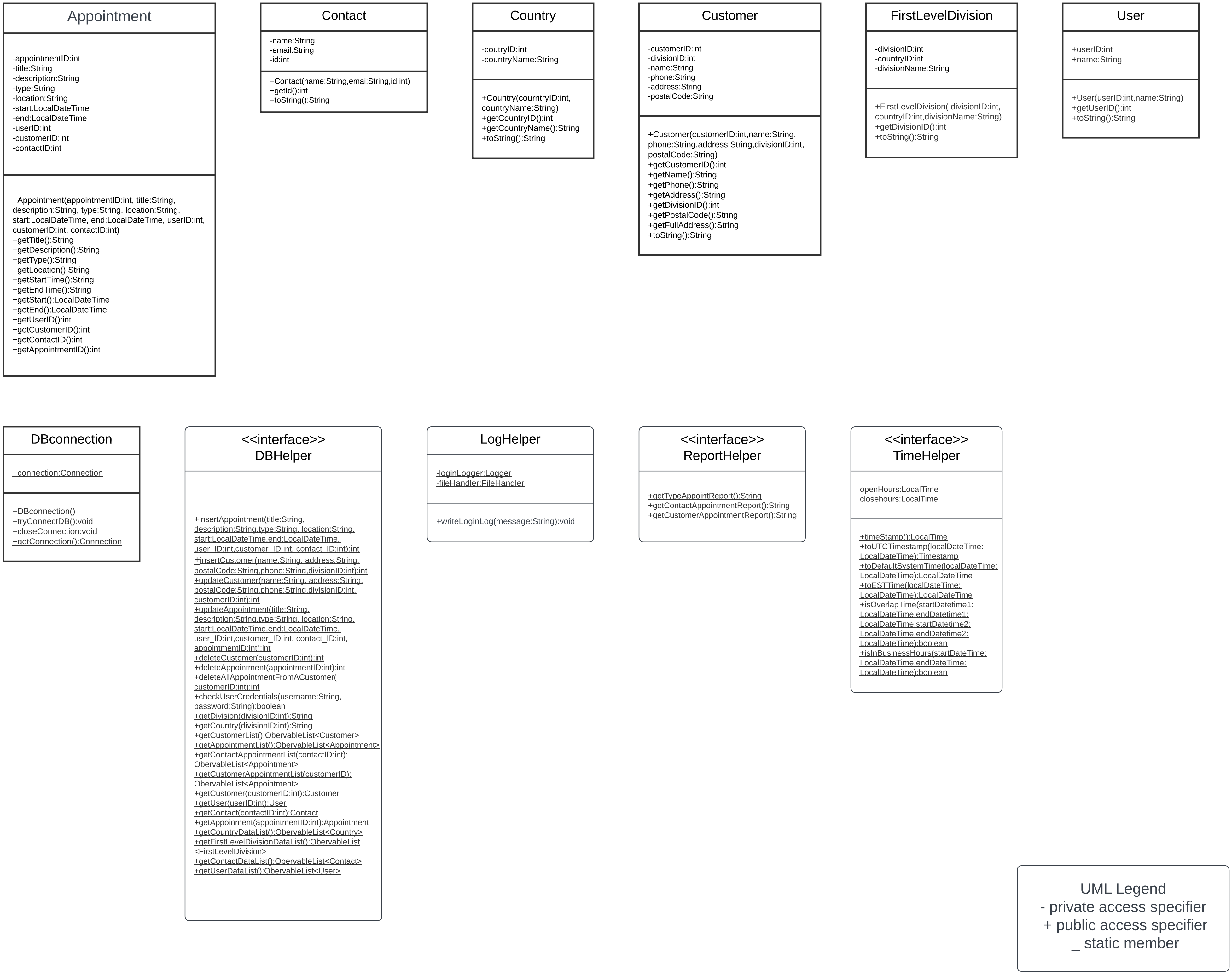

Appointment

-appointmentID:int
-title:String
-description:String
-type:String
-location:String
-start:LocalDateTime
-end:LocalDateTime
-userID:int
-customerID:int
-contactID:int

+Appointment(appointmentID:int, title:String, description:String, type:String, location:String, start:LocalDateTime, end:LocalDateTime, userID:int, customerID:int, contactID:int)
+getTitle():String
+getDescription():String
+getType():String
+getLocation():String
+getStartTime():String
+getEndTime():String
+getStart():LocalDateTime
+getEnd():LocalDateTime
+getUserID():int
+getCustomerID():int
+getContactID():int
+getAppointmentID():int

Contact

-name:String
-email:String
-id:int

+Contact(name:String,emai:String,id:int)
+getId():int
+toString():String

Country

-coutryID:int
-countryName:String

+Country(courntryID:int, countryName:String)
+getCountryID():int
+getCountryName():String
+toString():String

Customer

-customerID:int
-divisionID:int
-name:String
-phone:String
-address;String
-postalCode:String

+Customer(customerID:int,name:String, phone:String,address;String,divisionID:int, postalCode:String)
+getCustomerID():int
+getName():String
+getPhone():String
+getAddress():String
+getDivisionID():int
+getPostalCode():String
+getFullAddress():String
+toString():String

FirstLevelDivision

-divisionID:int
-countryID:int
-divisionName:String

+FirstLevelDivision(divisionID:int, countryID:int,divisionName:String)
+getDivisionID():int
+toString():String

User

+userID:int
+name:String

+User(userID:int,name:String)
+getUserID():int
+toString():String

DBconnection

+connection:Connection

+DBconnection()
+tryConnectDB():void
+closeConnection:void
+getConnection():Connection

<<interface>>
DBHelper

+insertAppointment(title:String, description:String,type:String, location:String, start:LocalDateTime,end:LocalDateTime, user_ID:int,customer_ID:int, contact_ID:int):int
+insertCustomer(name:String, address:String, postalCode:String,phone:String,divisionID:int):int
+updateCustomer(name:String, address:String, postalCode:String,phone:String,divisionID:int, customerID:int):int
+updateAppointment(title:String, description:String,type:String, location:String, start:LocalDateTime,end:LocalDateTime, user_ID:int,customer_ID:int, contact_ID:int, appointmentID:int):int
+deleteCustomer(customerID:int):int
+deleteAppointment(appointmentID:int):int
+deleteAllAppointmentFromACustomer(customerID:int):int
+checkUserCredentials(username:String, password:String):boolean
+getDivision(divisionID:int):String
+getCountry(divisionID:int):String
+getCustomerList():ObervableList<Customer>
+getAppointmentList():ObervableList<Appointment>
+getContactAppointmentList(contactID:int): ObervableList<Appointment>
+getCustomerAppointmentList(customerID): ObervableList<Appointment>
+getCustomer(customerID:int):Customer
+getUser(userID:int):User
+getContact(contactID:int):Contact
+getAppoinment(appointmentID:int):Appointment
+getCountryDataList():ObervableList<Country>
+getFirstLevelDivisionDataList():ObervableList <FirstLevelDivision>
+getContactDataList():ObervableList<Contact>
+getUserDataList():ObervableList<User>

LogHelper

-loginLogger:Logger
-fileHandler:FileHandler

+writeLoginLog(message:String):void

<<interface>>
ReportHelper

+getTypeAppointReport():String
+getContactAppointmentReport():String
+getCustomerAppointmentReport():String

<<interface>>
TimeHelper

openHours:LocalTime
closehours:LocalTime

+timeStamp():LocalTime
+toUTCTimestamp(localDateTime: LocalDateTime):Timestamp
+toDefaultSystemTime(localDateTime: LocalDateTime):LocalDateTime
+toESTTime(localDateTime: LocalDateTime):LocalDateTime
+isOverlapTime(startDatetime1: LocalDateTime,endDatetime1: LocalDateTime,startDatetime2: LocalDateTime,endDatetime2: LocalDateTime):boolean
+isInBusinessHours(startDateTime: LocalDateTime,endDateTime: LocalDateTime):boolean

UML Legend
- private access specifier
+ public access specifier
_ static member