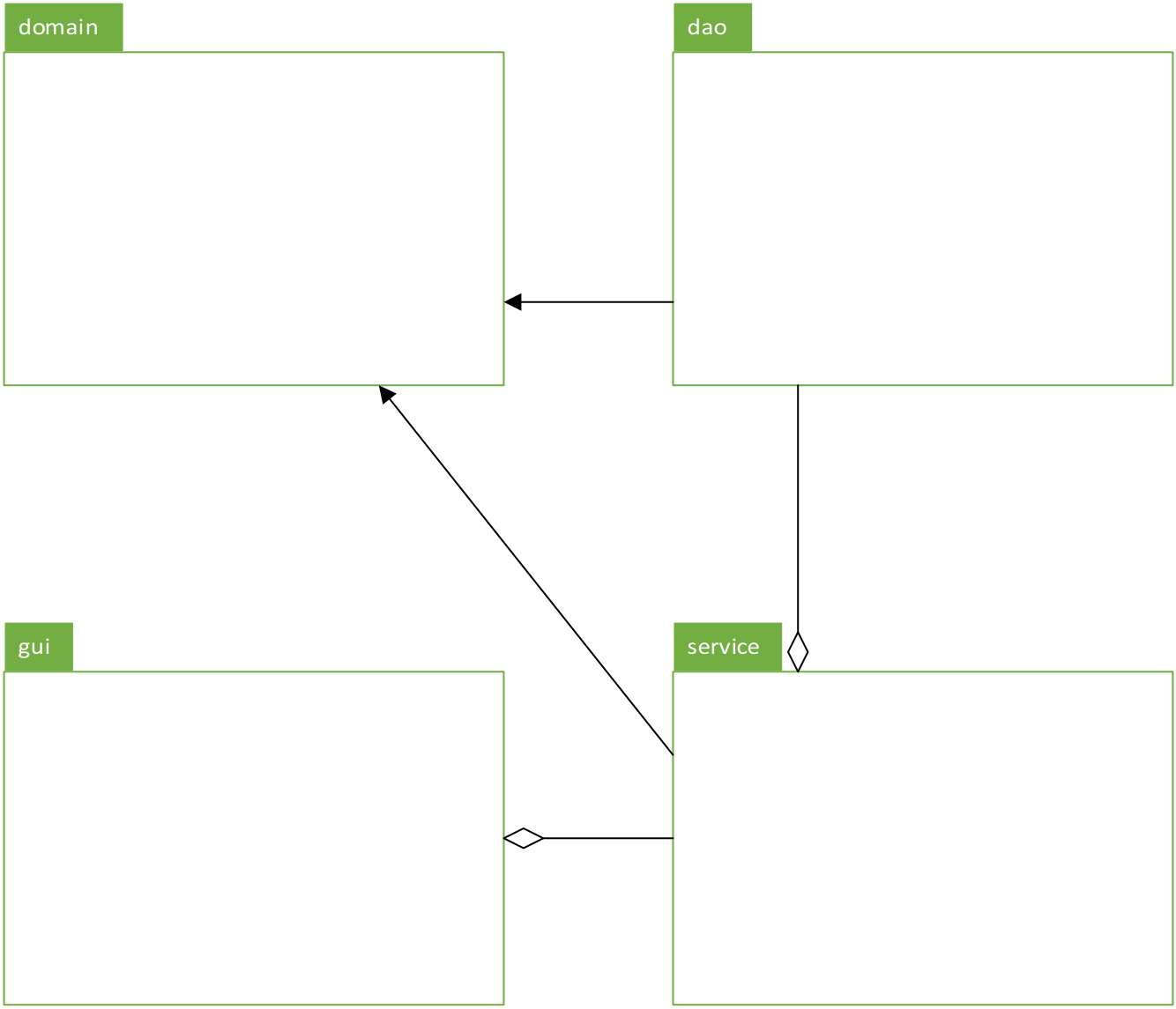
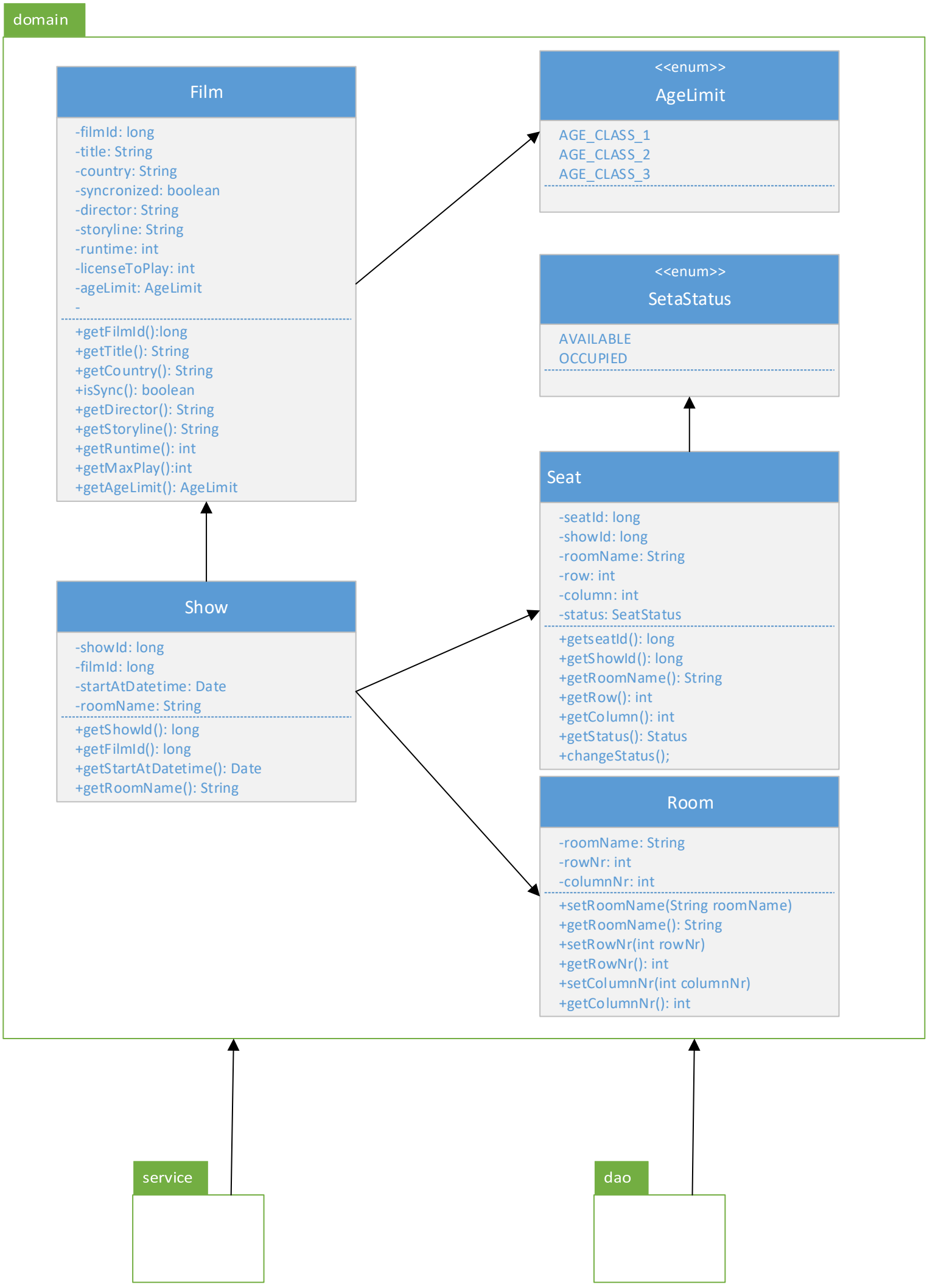
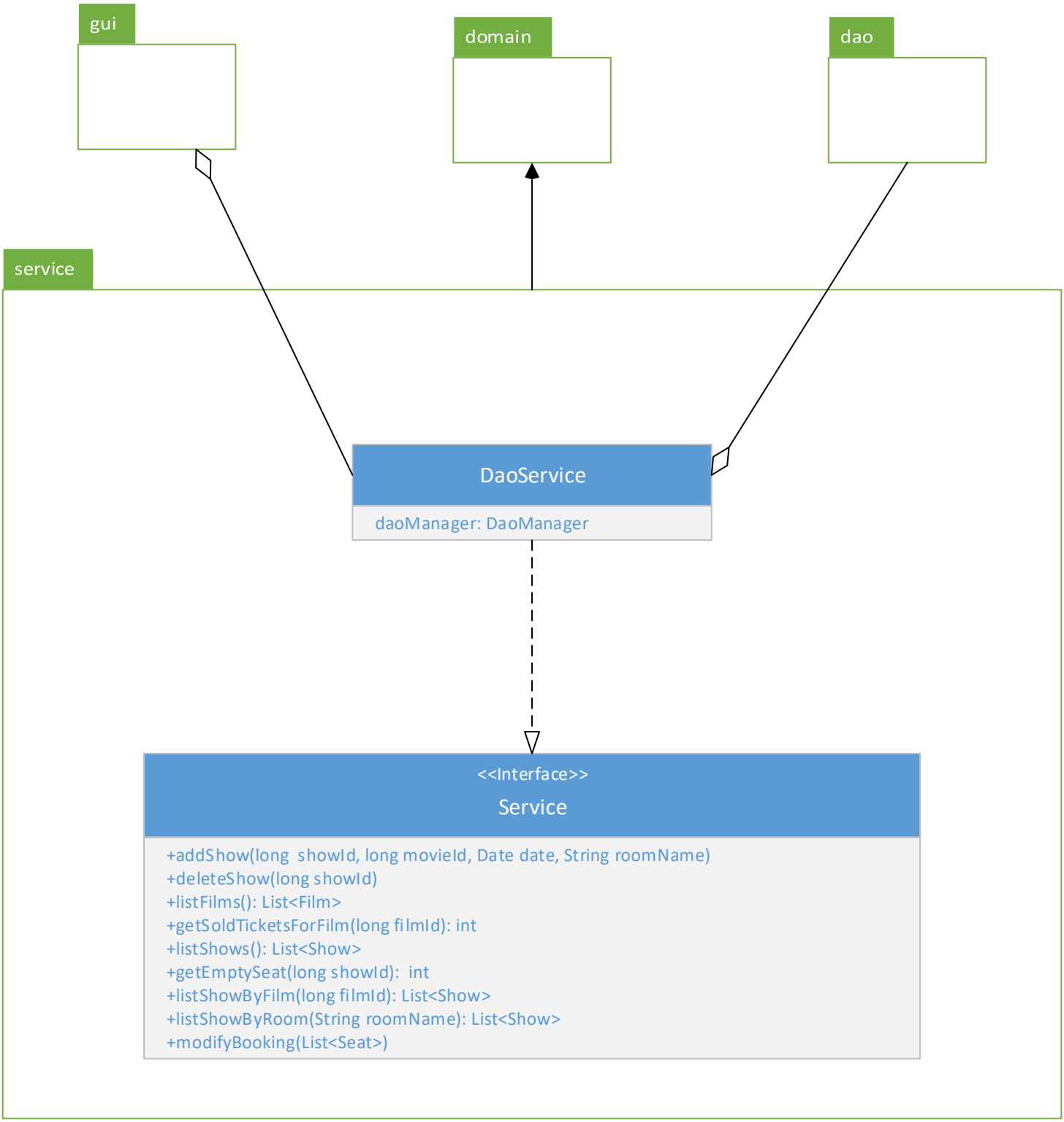
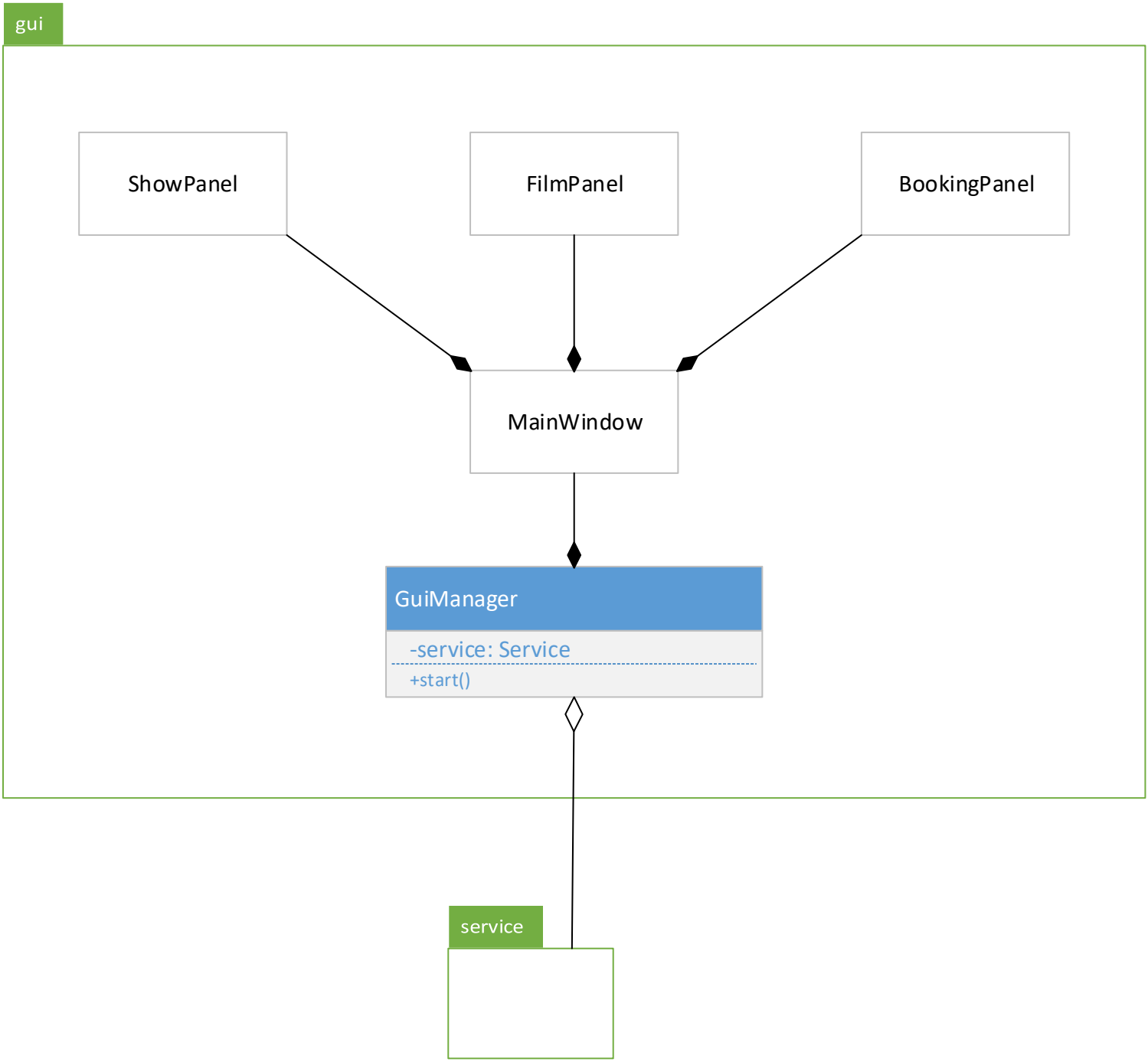
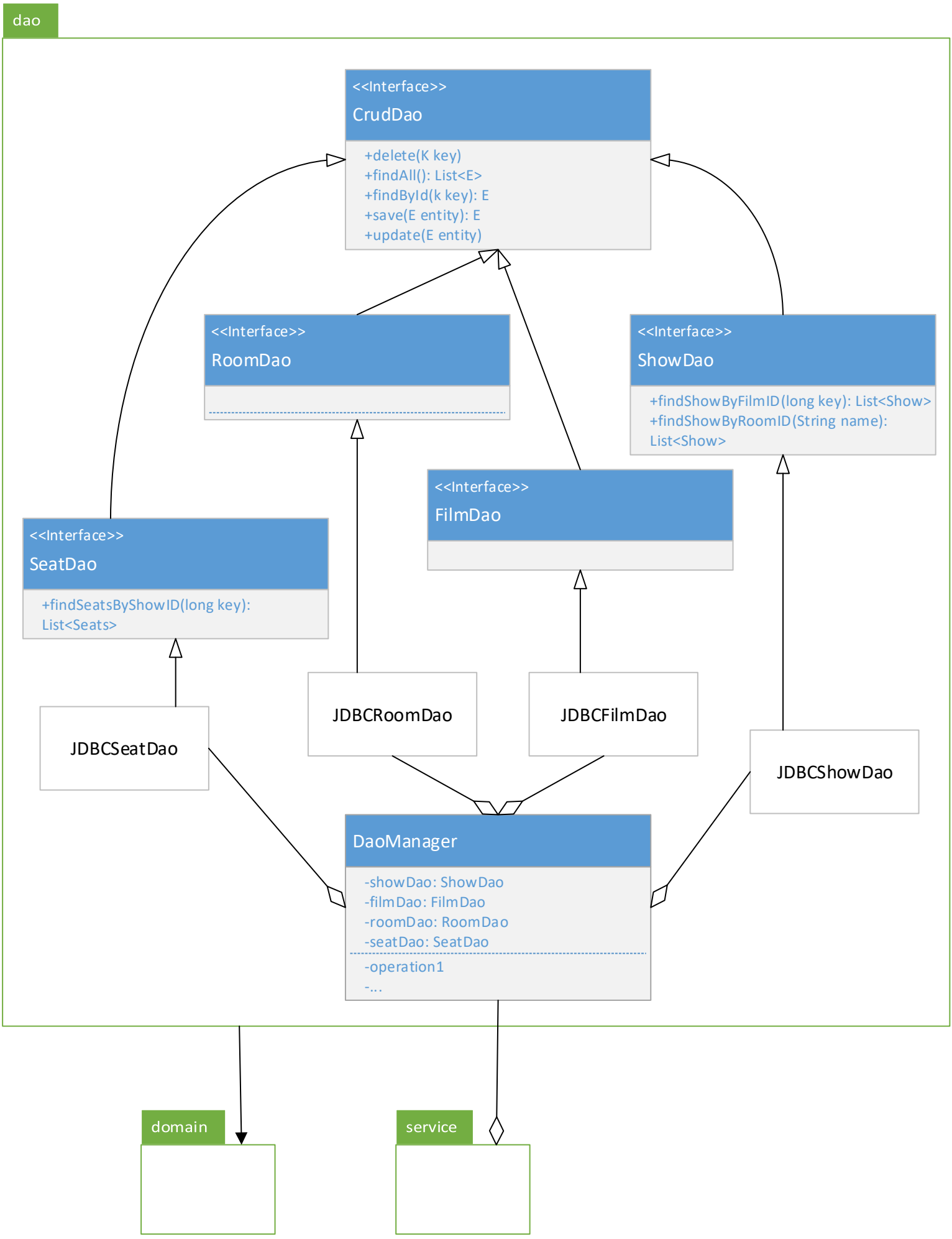
Class diagram




domain
Film
-filmId: long
-title: String
-country: String
-syncronized: boolean
-director: String
-storyline: String
-runtime: int
-licenseToPlay: int
-ageLimit: AgeLimit
-
+getFilmId():long
+getTitle(): String
+getCountry(): String
+isSync(): boolean
+getDirector(): String
+getStoryline(): String
+getRuntime(): int
+getMaxPlay():int
+getAgeLimit(): AgeLimit
<<enum>>
AgeLimit
AGE_CLASS_1
AGE_CLASS_2
AGE_CLASS_3
<<enum>>
SetaStatus
AVAILABLE
OCCUPIED
Seat
-seatId: long
-showId: long
-roomName: String
-row: int
-column: int
-status: SeatStatus
+getseatId(): long
+getShowId(): long
+getRoomName(): String
+getRow(): int
+getColumn(): int
+getStatus(): Status
+changeStatus();
Show
-showId: long
-filmId: long
-startAtDatetime: Date
-roomName: String
+getShowId(): long
+getFilmId(): long
+getStartAtDatetime(): Date
+getRoomName(): String
Room
-roomName: String
-rowNr: int
-columnNr: int
+setRoomName(String roomName)
+getRoomName(): String
+setRowNr(int rowNr)
+getRowNr(): int
+setColumnNr(int columnNr)
+getColumnNr(): int
service
dao


gui
domain
dao
service
DaoService
daoManager: DaoManager
<<Interface>>
Service
+addShow(long showId, long movieId, Date date, String roomName)
+deleteShow(long showId)
+listFilms(): List<Film>
+getSoldTicketsForFilm(long filmId): int
+listShows(): List<Show>
+getEmptySeat(long showId): int
+listShowByFilm(long filmId): List<Show>
+listShowByRoom(String roomName): List<Show>
+modifyBooking(List<Seat>)


gui
ShowPanel
FilmPanel
BookingPanel
MainWindow
GuiManager
-service: Service
+start()
service


dao
<<Interface>>
CrudDao
+delete(K key)
+findAll(): List<E>
+findById(k key): E
+save(E entity): E
+update(E entity)
<<Interface>>
RoomDao
<<Interface>>
ShowDao
+findShowByFilmID(long key): List<Show>
+findShowByRoomID(String name): List<Show>
<<Interface>>
FilmDao
<<Interface>>
SeatDao
+findSeatsByShowID(long key): List<Seats>
JDBCSeatDao
JDBCRoomDao
JDBCFilmDao
JDBCShowDao
DaoManager
-showDao: ShowDao
-filmDao: FilmDao
-roomDao: RoomDao
-seatDao: SeatDao
-operation1
-...
domain
service