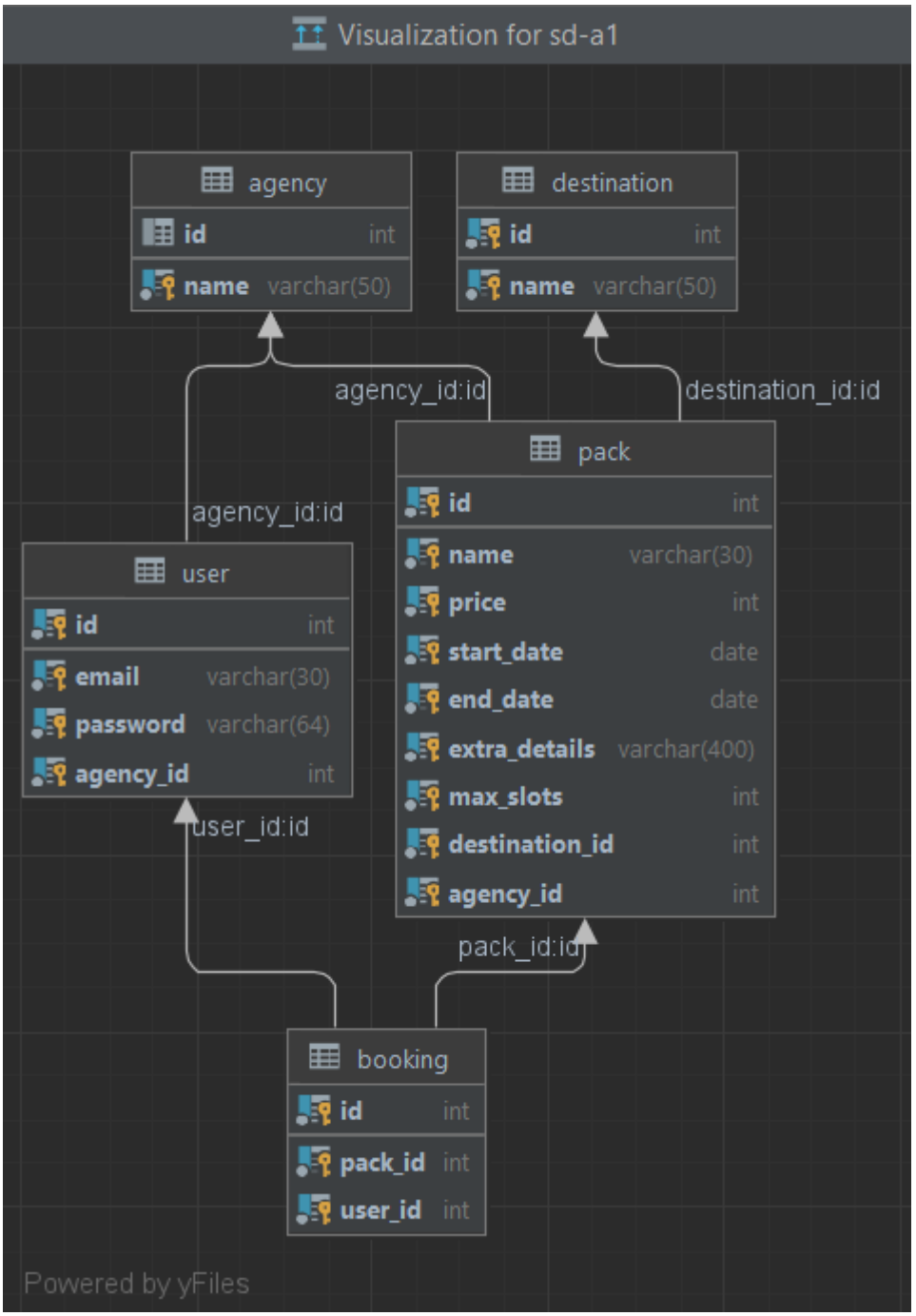
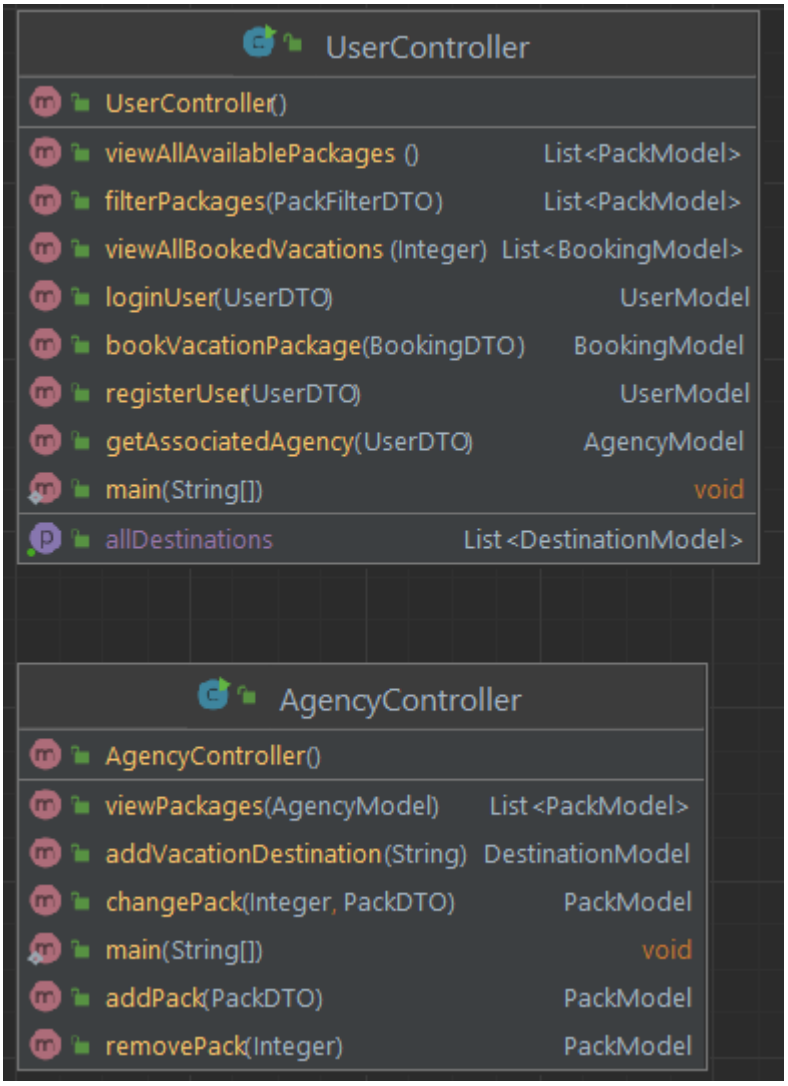
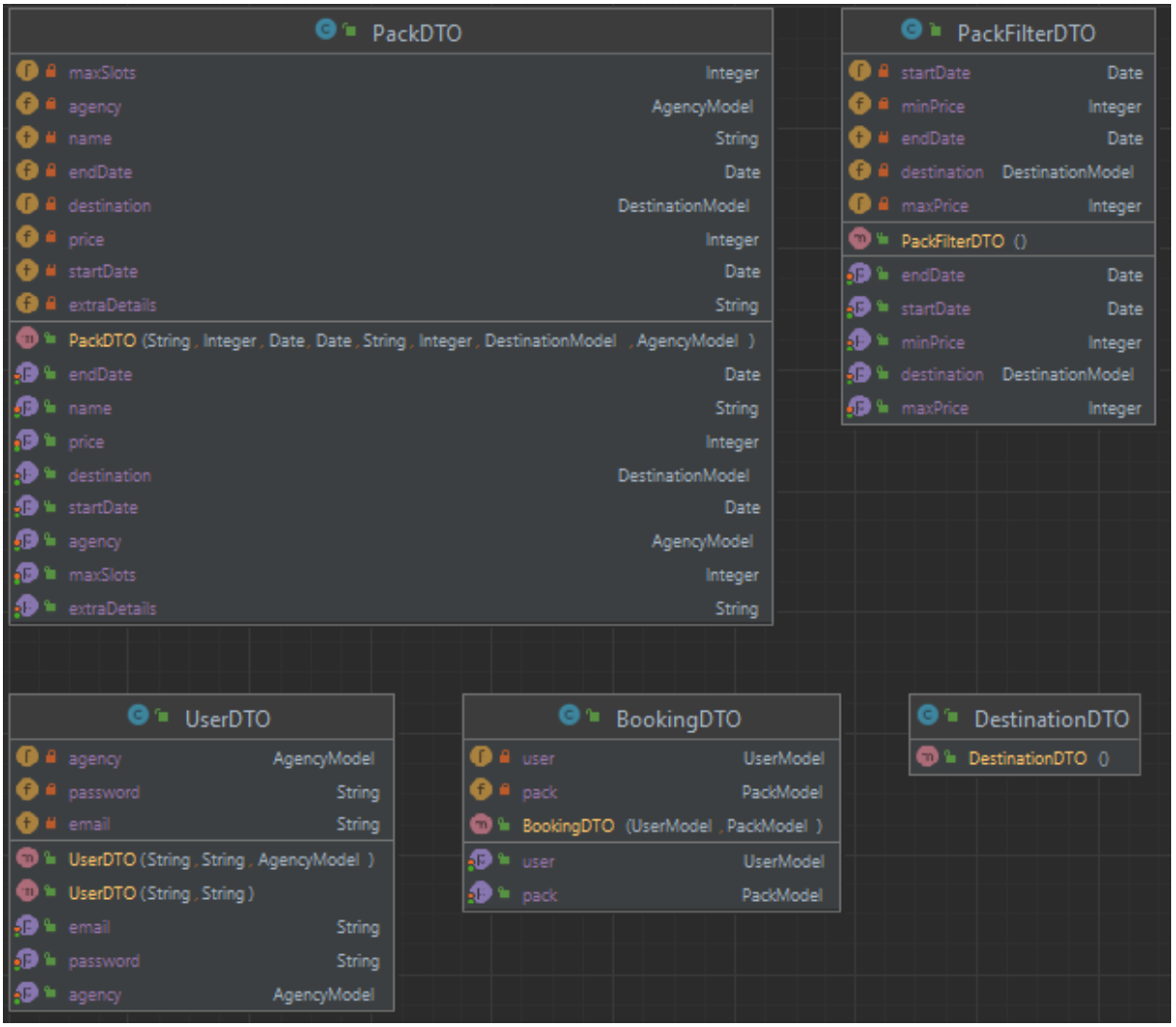
# SD-A1

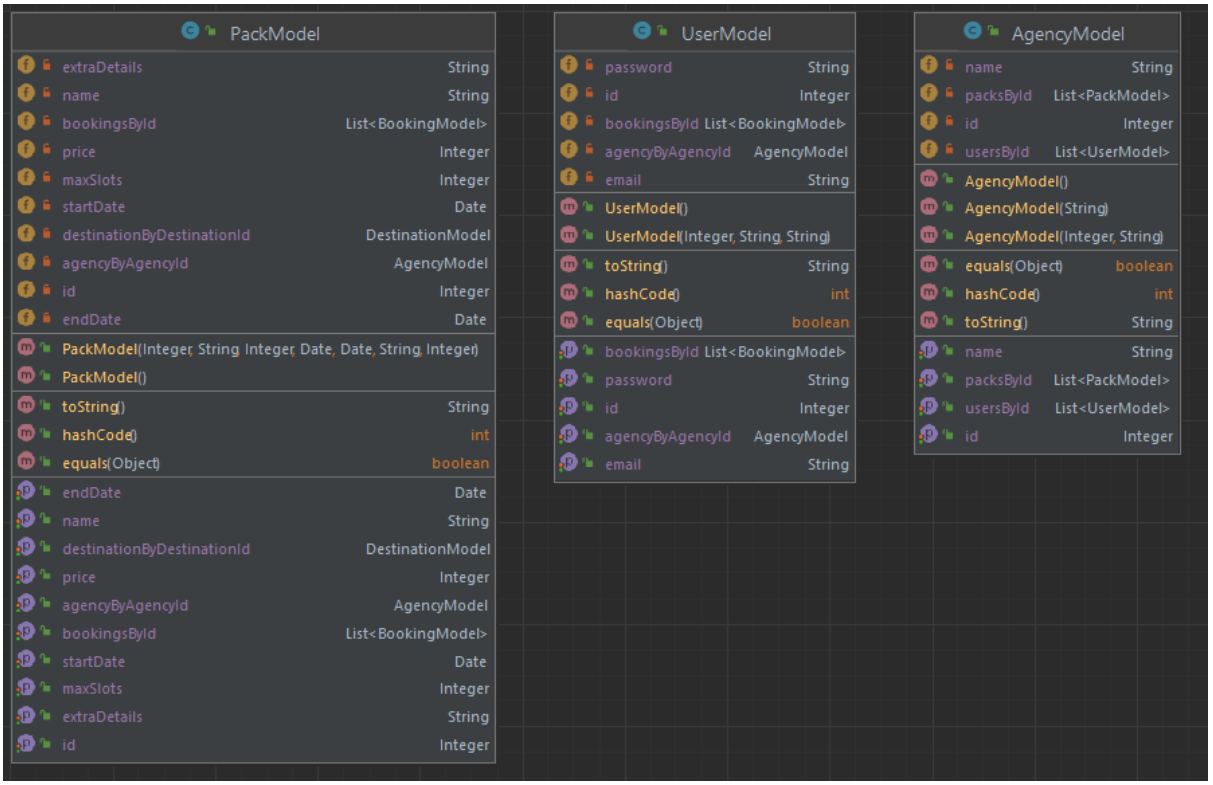
Database diagram

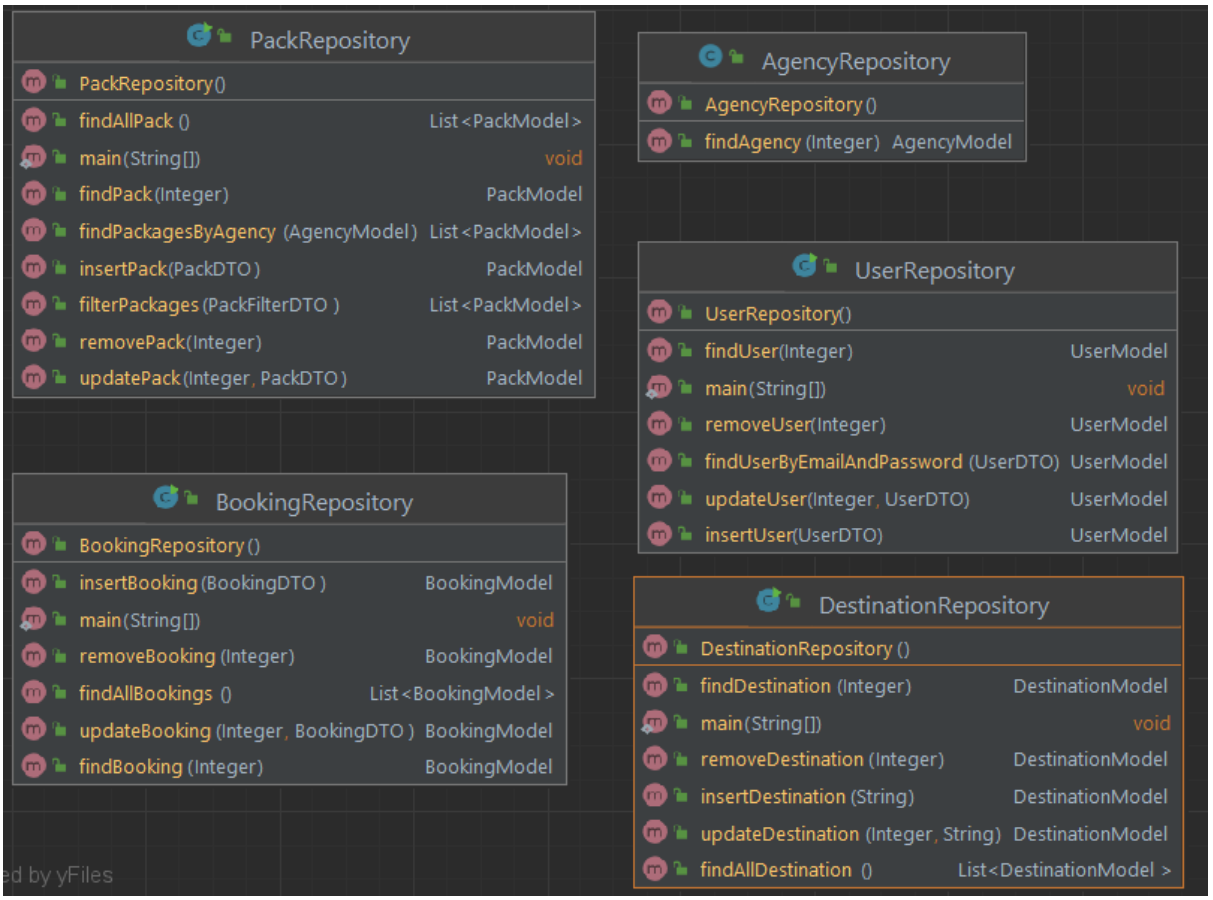


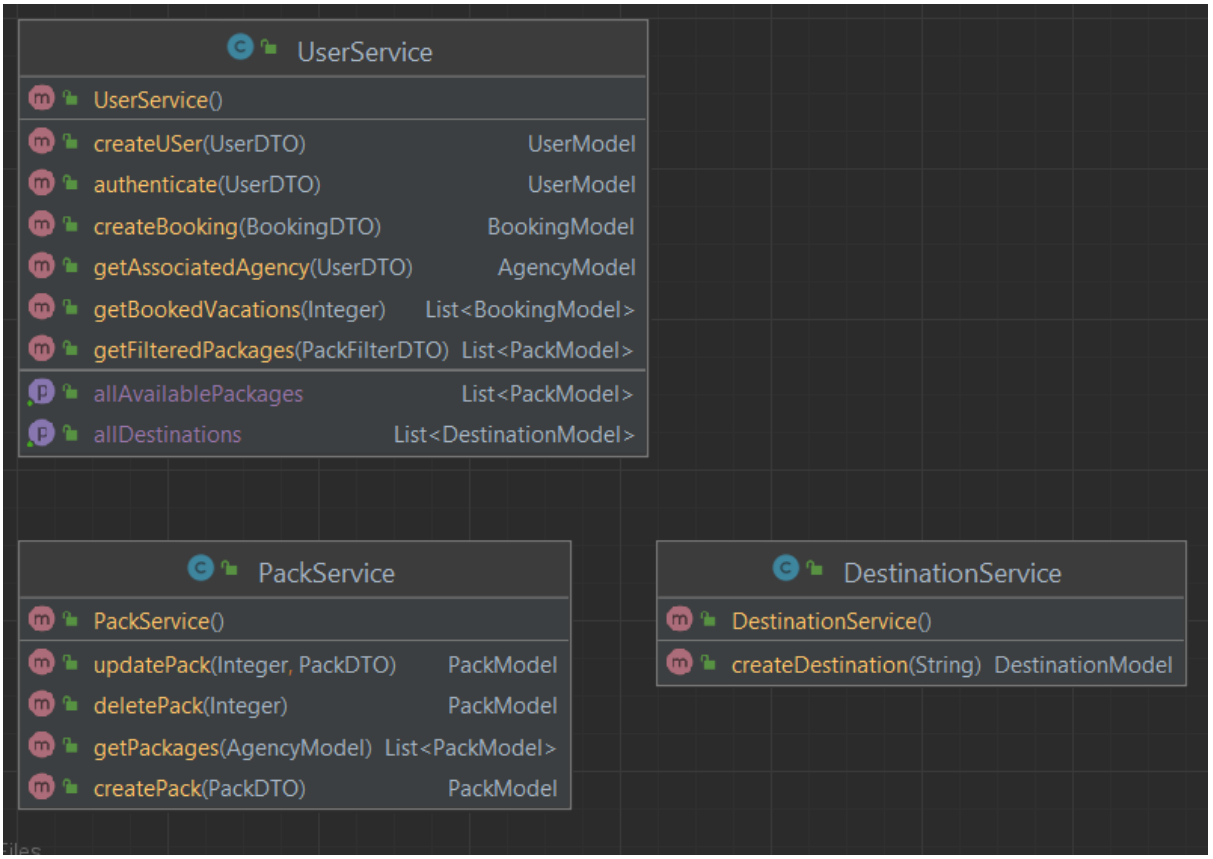
Class diagram



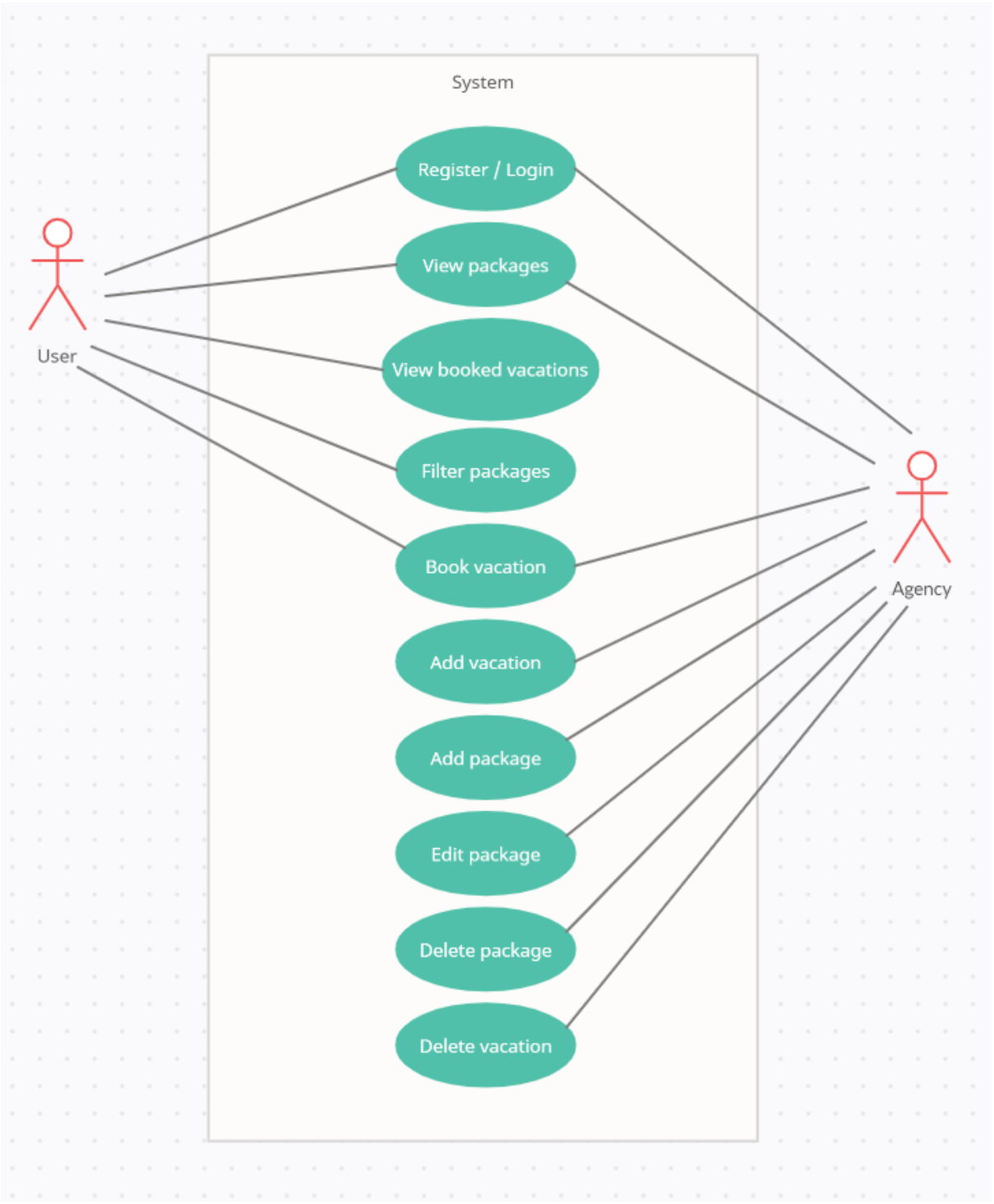

PackDTO
maxSlots Integer
agency AgencyModel
name String
endDate Date
destination DestinationModel
price Integer
startDate Date
extraDetails String
PackDTO (String , Integer , Date , Date , String , Integer , DestinationModel , AgencyModel )
endDate Date
name String
price Integer
destination DestinationModel
startDate Date
agency AgencyModel
maxSlots Integer
extraDetails String
PackFilterDTO
startDate Date
minPrice Integer
endDate Date
destination DestinationModel
maxPrice Integer
PackFilterDTO ()
endDate Date
startDate Date
minPrice Integer
destination DestinationModel
maxPrice Integer
UserDTO
agency AgencyModel
password String
email String
UserDTO (String , String , AgencyModel )
UserDTO (String , String )
email String
password String
agency AgencyModel
BookingDTO
user UserModel
pack PackModel
BookingDTO (UserModel , PackModel )
user UserModel
pack PackModel
DestinationDTO
DestinationDTO ()


PackModel
extraDetails String
name String
bookingsById List<BookingModel>
price Integer
maxSlots Integer
startDate Date
destinationByDestinationId DestinationModel
agencyByAgencyId AgencyModel
id Integer
endDate Date
PackModel(Integer, String, Integer, Date, Date, String, Integer)
PackModel()
toString() String
hashCode() int
equals(Object) boolean
endDate Date
name String
destinationByDestinationId DestinationModel
price Integer
agencyByAgencyId AgencyModel
bookingsById List<BookingModel>
startDate Date
maxSlots Integer
extraDetails String
id Integer
UserModel
password String
id Integer
bookingsById List<BookingModel>
agencyByAgencyId AgencyModel
email String
UserModel()
UserModel(Integer, String, String)
toString() String
hashCode() int
equals(Object) boolean
bookingsById List<BookingModel>
password String
id Integer
agencyByAgencyId AgencyModel
email String
AgencyModel
name String
packsById List<PackModel>
id Integer
usersById List<UserModel>
AgencyModel()
AgencyModel(String)
AgencyModel(Integer, String)
equals(Object) boolean
hashCode() int
toString() String
name String
packsById List<PackModel>
usersById List<UserModel>
id Integer


PackRepository
PackRepository()
findAllPack () List<PackModel>
main(String[]) void
findPack(Integer) PackModel
findPackagesByAgency (AgencyModel) List<PackModel>
insertPack(PackDTO) PackModel
filterPackages (PackFilterDTO) List<PackModel>
removePack(Integer) PackModel
updatePack(Integer, PackDTO) PackModel
AgencyRepository
AgencyRepository()
findAgency (Integer) AgencyModel
UserRepository
UserRepository()
findUser(Integer) UserModel
main(String[]) void
removeUser(Integer) UserModel
findUserByEmailAndPassword (UserDTO) UserModel
updateUser(Integer, UserDTO) UserModel
insertUser(UserDTO) UserModel
BookingRepository
BookingRepository()
insertBooking (BookingDTO) BookingModel
main(String[]) void
removeBooking (Integer) BookingModel
findAllBookings () List<BookingModel>
updateBooking (Integer, BookingDTO) BookingModel
findBooking (Integer) BookingModel
DestinationRepository
DestinationRepository ()
findDestination (Integer) DestinationModel
main(String[]) void
removeDestination (Integer) DestinationModel
insertDestination (String) DestinationModel
updateDestination (Integer, String) DestinationModel
findAllDestination () List<DestinationModel>




Use case diagram


System
Register / Login
View packages
View booked vacations
Filter packages
Book vacation
Add vacation
Add package
Edit package
Delete package
Delete vacation
User
Agency