Thursday, 27 October 2022

Audience Response System

Architecture and Design - Selected Technologies

-HTML/CSS

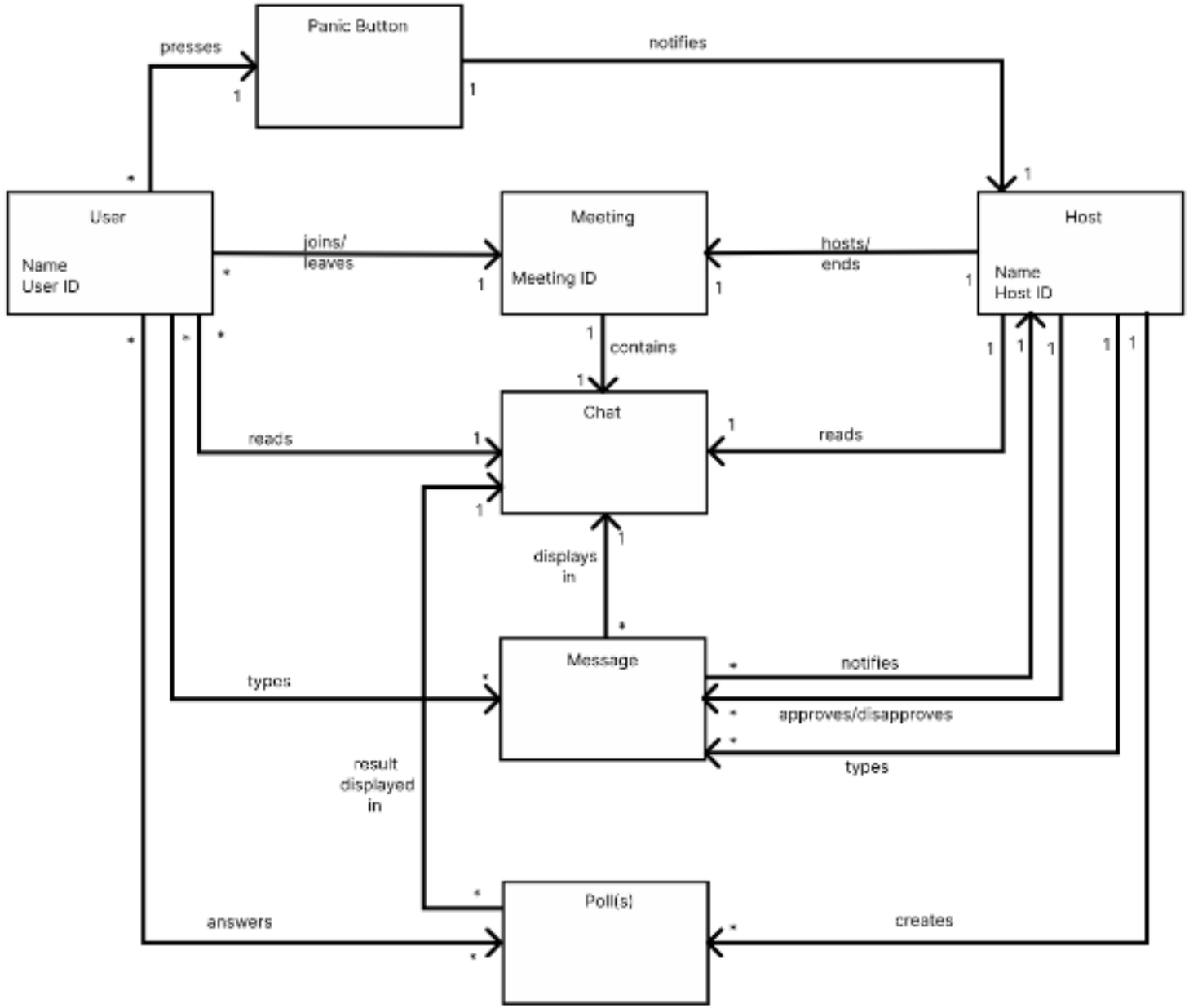
-JavaScript

-Microsoft Sequel Server

-Microsoft Sequel Management Studio

-Springboot in Java

Domain Model Diagram



Relational Schema

SessionUser(ID, DisplayName, SessionID)

SessionRoom(ID, OwnerID, SessionPassword, Timestamp)

Message(ID, SessionID, MsgContents, PosterID, ReplyTo, Likes, Approved)

BugReport(ID, Category, BugText, Status, Timestamp)

PanicButton(ID, PanicType, Desc)

PanicResponse(ID, PanicType, Panicker, SessionRoom, LogTime)

Foreign Keys:

UserSession(SessionID) -> SessionRoom(ID)

SessionRoom(OwnerID) -> SessionUser(ID)

Message(SessionID) -> SessionRoom(ID)

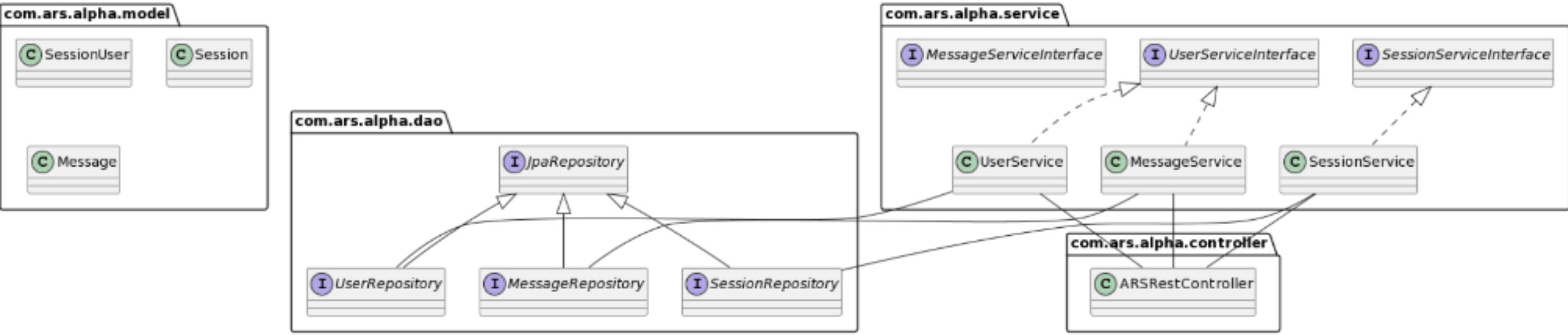
Message(PosterID) -> UserSession(ID)

Message(ReplyTo) -> Message(ID)

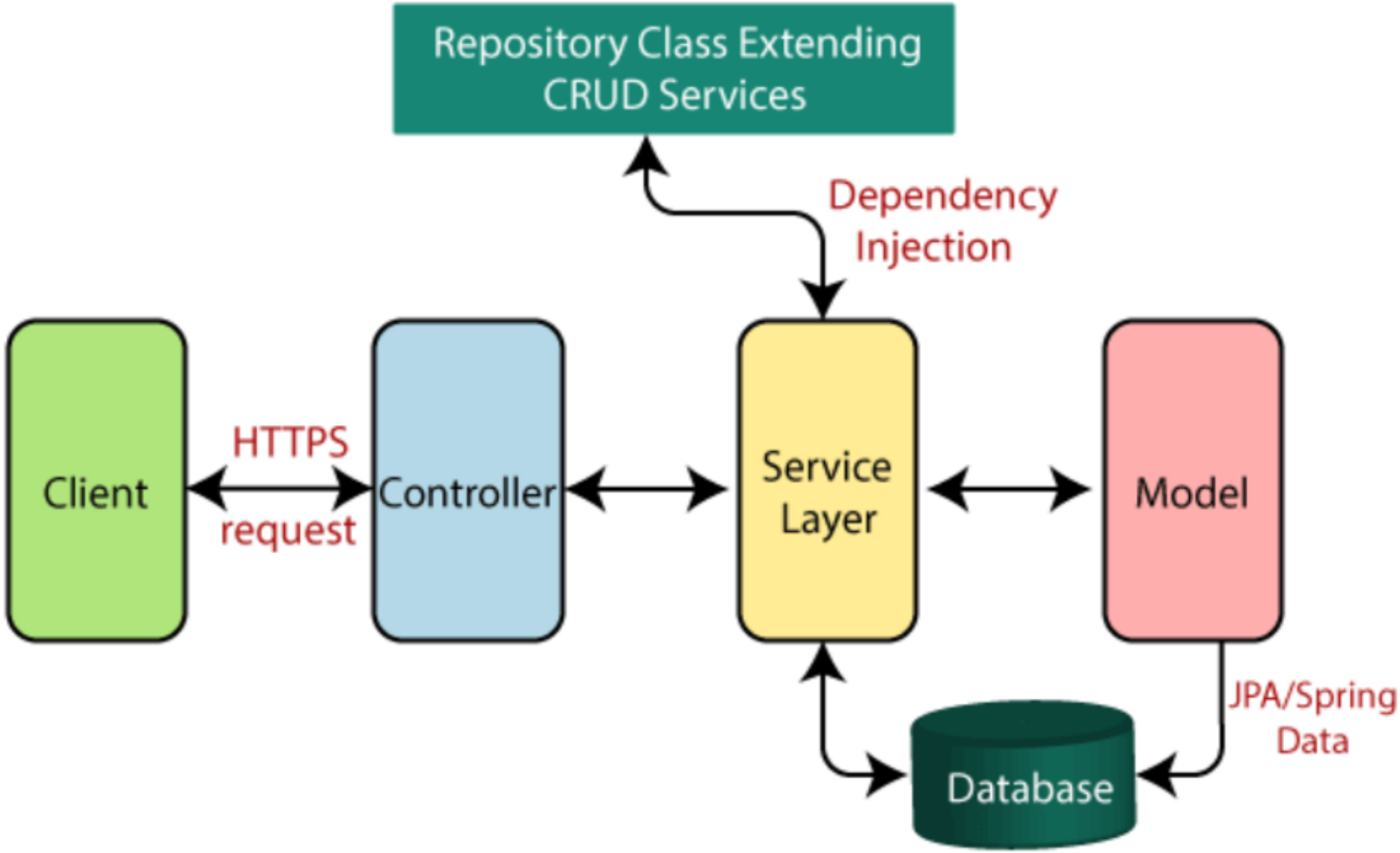
PanicResponse(PanicType)->PanicButton(ID)

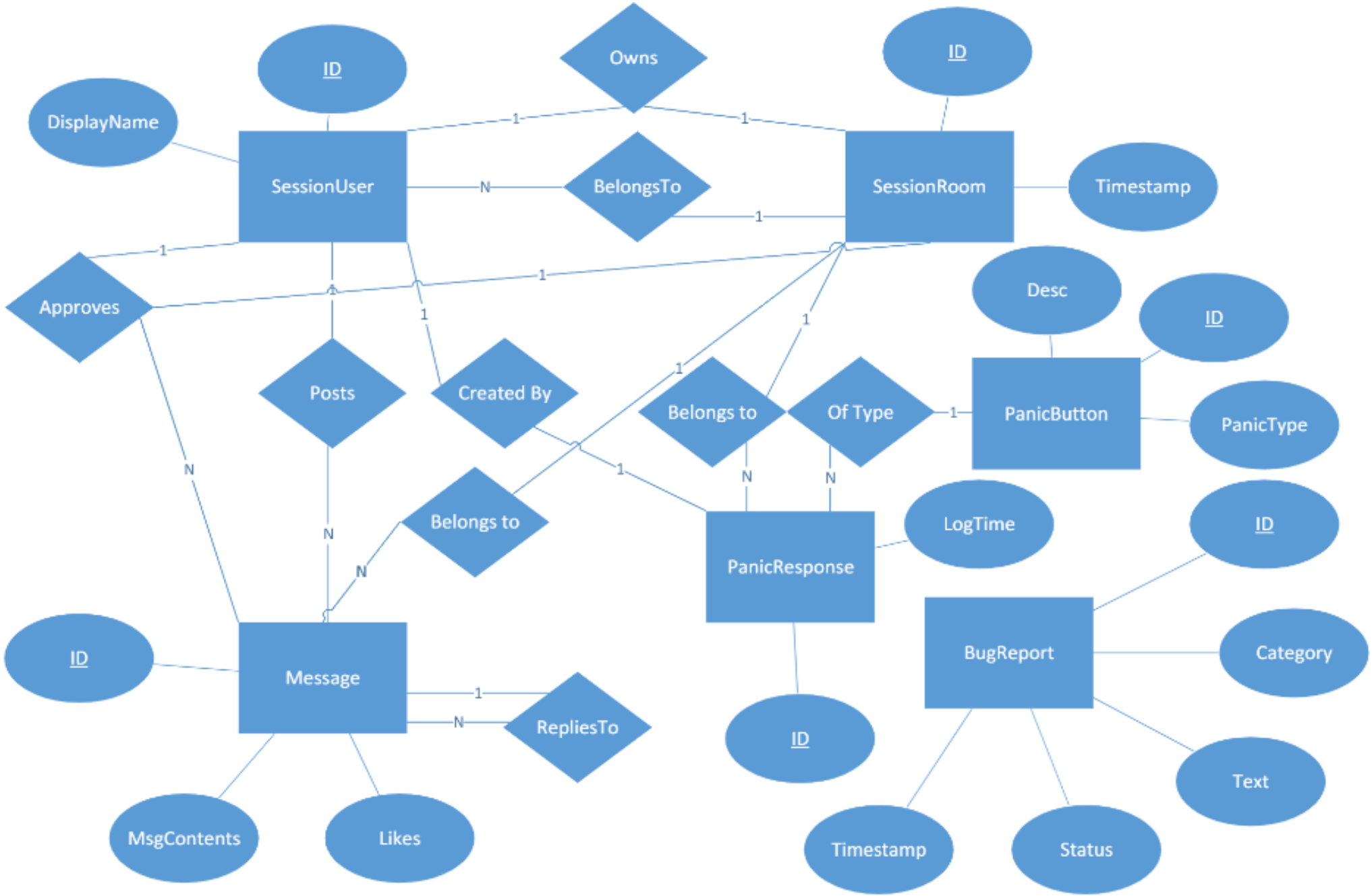
PanicResponse(Panicker)->SessionUser(ID)

PanicResponse(SessionRoom)->SessionRoom(ID)


com.ars.alpha.model
SessionUser
Session
Message
com.ars.alpha.dao
JpaRepository
UserRepository
MessageRepository
SessionRepository
com.ars.alpha.service
MessageServiceInterface
UserServiceInterface
SessionServiceInterface
UserService
MessageService
SessionService
com.ars.alpha.controller
ARSRestController

Spring Boot flow architecture




ID
Owns
ID
DisplayName
SessionUser
BelongsTo
SessionRoom
Timestamp
Approves
Desc
ID
Posts
Created By
Belongs to
Of Type
PanicButton
PanicType
Belongs to
LogTime
ID
PanicResponse
ID
BugReport
Category
Message
RepliesTo
Text
MsgContents
Likes
Timestamp
Status