

CS414 P3 CRC Cards

Nick Vosseteig | December 8, 2019

MicroServer	
Listen for requests Send responses	RegistrationRequest NotificationsRequest MessageRequest NotificationManager AccountManager ChessBoard

NotificationManager	
Gets notifications Sends messages	Notification MessageResponse DatabaseHelper

ChessPiece	
Sets position Checks if position is valid Changes position Adds Moves Gets orientation	IllegalPositionException

Account	
Gets account hash Gets email Gets salt for password Gets usernames	DatabaseHelper

King
generates legal moves output proper piece symbol

AccountManager	
Registers User Creates Welcome message Logs user in gets accounts deletes accounts	Account DatabaseHelper RegistrationOrLoginResponse

Bishop
generates legal moves output proper piece symbol

DatabaseHelper
Executes SQL Communicates with DB

Pawn
generates legal moves output proper piece symbol

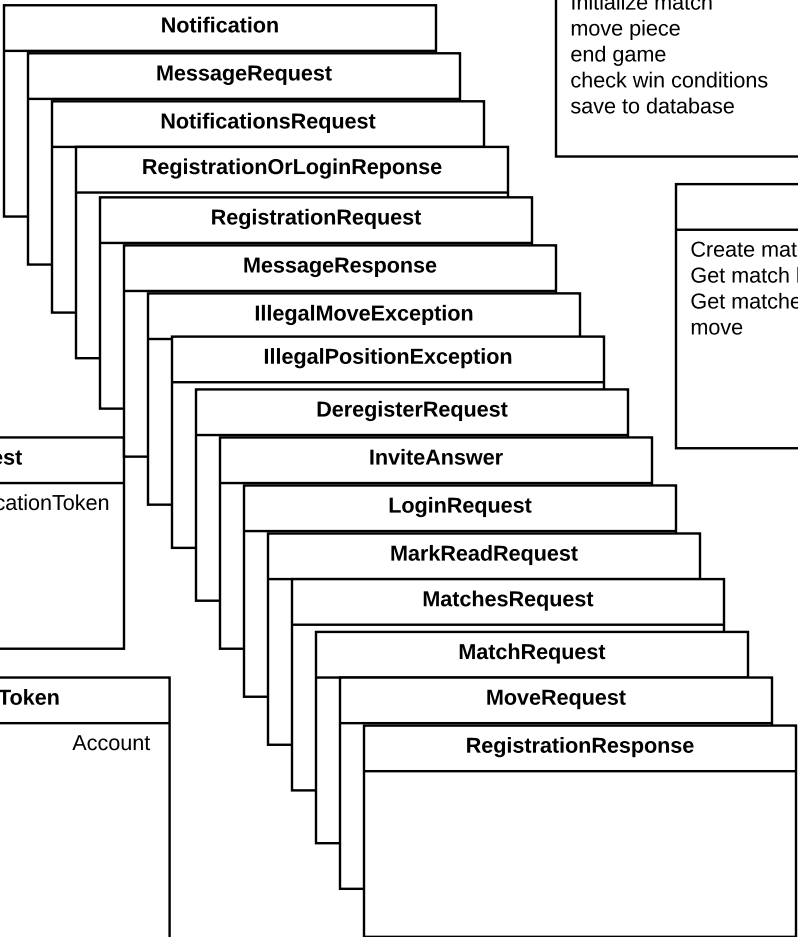
ChessBoard	
Moves Pieces Promote pieces Initializes board state Serializes board Gets Pieces Places pieces Displays board Serializes board Gets location of king Checks if king is in check	IllegalMoveException IllegalPositionException ChessPiece King Bishop Pawn Rook

Rook
generates legal moves output proper piece symbol

AuthenticatedRequest
AuthenticationToken

AuthenticationToken	
Generates Token Generates Signature Verifies Signatures	Account

Sole Responsibility is Storing Data



Match	
Serialize Match Create new Match Initialize match move piece end game check win conditions save to database	DatabaseHelper ChessPiece IllegalMoveException IllegalPositionException King MoveRequest MoveResponse ChessBoard

MatchManager	
Create match from invite Get match by ID Get matches by userID move	DatabaseHelper InviteAnswer MoveRequest MoveResponse Notification NotificationManager Account